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1.3 qemu 1.5.3

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1.7 upstart 1.13.2

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```
--- upstart-1.13.2.orig/ChangeLog
+++ upstart-1.13.2/ChangeLog
@@ -1,3 +1,15 @@
+2014-09-08  James Hunt  <james.hunt@ubuntu.com>
+
+ * util/telinit.c: Remove UPSTART_TELINIT_U_NO_WAIT check as it
+   shouldn't realistically be needed.
+
+2014-08-21  James Hunt  <james.hunt@ubuntu.com>
+
+ * util/telinit.c: restart_upstart():
+   - Revert to synchronous behaviour coupled with unavoidable
+     poll to ensure telinit only returns once a re-exec has
+     completed (LP: #901038).
+
2014-09-04  James Hunt  <james.hunt@ubuntu.com>

 * NEWS: Release 1.13.2
--- upstart-1.13.2.orig/conf/rc-sysinit.conf
+++ upstart-1.13.2/conf/rc-sysinit.conf
@@ -6,7 +6,7 @@
description "System V initialisation compatibility"
author  "Scott James Remnant <scott@netsplit.com>"

-start on startup
+start on (filesystem and static-network-up) or failsafe-boot
stop on runlevel

# Default runlevel, this may be overriden on the kernel command-line
@@ -23,9 +23,11 @@
env RUNLEVEL=
env PREVLEVEL=

+console output
+env INIT_VERBOSE
+
task
```

```
-console owner
script
   # Check for default runlevel in /etc/inittab
   if [ -r /etc/inittab ]
--- upstart-1.13.2.orig/conf/rc.conf
+++ upstart-1.13.2/conf/rc.conf
@@ -6,13 +6,23 @@
description "System V runlevel compatibility"
author  "Scott James Remnant <scott@netsplit.com>"

+emits deconfiguring-networking
+emits unmounted-remote-filesystems
+
start on runlevel [0123456]
stop on runlevel [!$RUNLEVEL]

export RUNLEVEL
export PREVLEVEL

+console output
+env INIT_VERBOSE
+
task

-console output
-exec /etc/init.d/rc $RUNLEVEL
+script
+if [ "$RUNLEVEL" = "0" -o "$RUNLEVEL" = "1" -o "$RUNLEVEL" = "6" ]; then
+    status plymouth-shutdown 2>/dev/null >/dev/null && start wait-for-state WAITER=rc WAIT_FOR=plymouth-
shutdown || :
+fi
+/etc/init.d/rc $RUNLEVEL
+end script
--- upstart-1.13.2.orig/configure.ac
+++ upstart-1.13.2/configure.ac
@@ -8,7 +8,7 @@

AC_GNU_SOURCE

-AM_INIT_AUTOMAKE([1.10 gnu nostdinc check-news color-tests silent-rules])
+AM_INIT_AUTOMAKE([1.10 gnu nostdinc check-news color-tests silent-rules serial-tests])
AM_SILENT_RULES([yes])
AM_MAINTAINER_MODE([enable])

@@ -119,6 +119,15 @@

AM_CONDITIONAL([HAVE_ABI_CHECKER], [test ! -z "$ABI_COMPLIANCE_CHECKER" && test -e
"$srcdir"/lib/abi/"$host_cpu"-"$host_os"/*.abi])
```

```
+AC_ARG_ENABLE(selinux,
+       AS_HELP_STRING([--enable-selinux], [enable SELinux support]),
+       [], [enable_selinux=no])
+
+if test "x$enable_selinux" = "xyes" ; then
+ PKG_CHECK_MODULES(SELINUX, [libselinux])
+ AC_DEFINE(HAVE_SELINUX, 1, [Define if we have SELinux])
+fi
+
# Checks for header files.
AC_CHECK_HEADERS([valgrind/valgrind.h, sys/prctl.h])

--- upstart-1.13.2.orig/debian/README.Debian
+++ upstart-1.13.2/debian/README.Debian
@@ -0,0 +1,200 @@
+upstart
+=======
+
+Upstart is a replacement for the traditional sysvinit package, and
+runs as process #1.  Through upstart, we are able to have an
+event-driven process, whilst at the same time retaining compatibility
+for the original sysvinit behaviour.
+
+This file documents how to do a few common operations with the new
+system.
+
+
+Where are initscripts installed?
+--------------------------------
+
+This has not changed, they are installed in /etc/init.d.  See
+/etc/init.d/README.
+
+Important system jobs are no longer shipped as initscripts, but as
+upstart jobs.  These are installed in /etc/init
+
+
+How are initscripts started and stopped?
+----------------------------------------
+
+This has not changed, symlinks are made from the initscript in the
+/etc/init.d directory to the /etc/rc?.d directories.  See
+/etc/init.d/README and /etc/rc?.d/README.
+
+
+What order are initscripts started and stopped in?
+--------------------------------------------------
```

+
+This has not changed, the symlinks are named SNNname or KNNname, where
+NN is a number from 00 to 99. The K scripts are run first in
+numerical order, followed by the S scripts in numerical order.
+
+
+How do I find the current/previous runlevel?
+---
+
+This has not changed, use the "runlevel" command. See runlevel(8).
+
+
+How do I change the runlevel?
+-----------------------------
+
+This has not changed, use the "telinit" command or just invoke "init"
+directly. See telinit(8).
+
+
+How do I change the default runlevel?
+-------------------------------------
+
+If you have an /etc/inittab file, edit it. Locate the following line:
+
+   id:N:initdefault:
+
+Where N is the default runlevel, change this to match.
+
+Most people won't have that file, you can edit /etc/init/rc-sysinit.conf
+and change the following line:
+
+   env DEFAULT_RUNLEVEL=2
+
+
+How do I shutdown the machine?
+------------------------------
+
+This has not changed, use the "shutdown" command provided by the
+upstart package; you may also use the "reboot"/"halt"/"poweroff"
+commands as a short-cut. See shutdown(8) and reboot(8).
+
+You can also press Control-Alt-Delete on a console to reboot the
+machine.
+
+
+How do I change the behaviour of Control-Alt-Delete?
+--
+

+Edit the /etc/init/control-alt-delete.conf file, the line beginning
+"exec" is what upstart will run when this key combination is pressed.
+
+To not do anything, you can simply delete this file.
+
+
+How do I enter single-user mode?
+--------------------------------
+
+This hasn't changed, choose the "(recovery mode)" option from GRUB;
+add "-s", "S" or "single" to the kernel command-line; or from a
+running machine, run "telinit 1" or "shutdown now".
+
+
+How do I reduce the number of gettys?
+-------------------------------------
+
+Also see "How do I change which runlevels gettys are run in?"
+
+In /etc/init there is a file named ttyN.conf for each getty that will be
+started, where N is numbered 1 to 6. Remove any that you do not
+want.
+
+This will not take immediate effect, however you can run "stop ttyN"
+to stop one that is running.
+
+
+How do I change getty parameters?
+---------------------------------
+
+In /etc/init there is a file named ttyN.conf for each getty that will be
+started, where N is numbered 1 to 6. Edit these files, the line
+beginning "respawn" is what upstart will run.
+
+This will not take immediate effect, run "stop ttyN" followed by
+"start ttyN" or just kill the running getty to respawn with the new
+parameters.
+
+
+How do I change which runlevels gettys are run in?
+--
+
+In /etc/init there is a file named ttyN.conf for each getty that will be
+started, where N is numbered 1 to 6. Edit these files, there are two
+lines:
+
+   start on runlevel [2345]
+   stop on runlevel [!2345]

+
+Change the set of runlevels to match your taste.
+
+This will not take immediate effect, however you can run "stop ttyN"
+to stop one that is running or "start ttyN" to start one that isn't.
+
+
+How do I increase the number of gettys?
+---------------------------------------
+
+In /etc/init there is a file named ttyN.conf for each getty that will be
+started, where N is numbered 1 to 6.
+
+Copy one of these files to a new name, we suggest you simply name it
+after the tty, e.g. "ttyS0".
+
+Edit that file, change the "respawn" line to match your requirements;
+in particular you'll need to change the tty the getty should be run
+on.
+
+This will not take immediate effect, however you can run "start ttyN"
+to start the getty.
+
+
+How do I add a serial console?
+------------------------------
+
+See "How do I increase the number of gettys?"
+
+
+How can I see boot messages on the console?
+---
+
+This is nothing to do with upstart, but I'll answer this anyway.
+Remove "quiet" from the kernel command-line.
+
+To make this permanent, edit /boot/grub/menu.lst and edit the line
+that begins "# defoptions=" (yes, it looks like a comment).
+
+This will change both usplash and the LSB init logging.
+
+
+Upstart isn't working, how do I debug it?
+---
+
+Add "--debug" to the kernel command-line, and be sure to remove "quiet"
+and "splash". You'll now see debugging messages as upstart works.
+

```
+
+Can I query upstart for a list of jobs?
+---------------------------------------
+
+Yes, "initctl list" will list the known jobs and their status.
+
+
+How do I manually start or stop a job?
+--------------------------------------
+
+Use "start JOB" or "stop JOB".
+
+
+How do I find the status of a job?
+----------------------------------
+
+Use "status JOB".
+
+
+Can I emit an event by hand?
+----------------------------
+
+Yes, "initctl emit EVENT" will emit the named event and cause any
+jobs waiting for it to be started or stopped as appropriate.
--- upstart-1.13.2.orig/debian/changelog
+++ upstart-1.13.2/debian/changelog
@@ -0,0 +1,2152 @@
+upstart (1.13.2-0ubuntu13) vivid; urgency=medium
+
+  * remove running-in-container - it is moved to init-system-helpers and
+    made to work also with systemd.  (LP: #1442228)
+
+ -- Serge Hallyn <serge.hallyn@ubuntu.com>  Thu, 09 Apr 2015 18:40:12 -0500
+
+upstart (1.13.2-0ubuntu12) vivid; urgency=medium
+
+  * debian/xsession.d/99upstart:
+    Don't assume that /sbin is in $PATH when calling upstart
+    (LP: #1435492).
+
+ -- Gunnar Hjalmarsson <gunnarhj@ubuntu.com>  Fri, 03 Apr 2015 14:48:00 +0100
+
+upstart (1.13.2-0ubuntu11) vivid; urgency=medium
+
+  * Remove /lib/init/apparmor-profile-load, as it is being moved to the
+    init-system-helpers package.  Add new dependency on init-system-helpers
+    to transition all current systems. (LP: #1432683)
+
```

+ -- Serge Hallyn <serge.hallyn@ubuntu.com> Thu, 02 Apr 2015 11:21:23 -0500
+
+upstart (1.13.2-0ubuntu10) vivid; urgency=medium
+
+ * Add upstart-sysv to mirror systemd-sysv behavior if upstart is chosen
+   as the default init daemon: (LP: #1422681)
+   - this fixes upstart not starting only with upstart-bin binary due to
+   missing jobs.
+   - upstart now contains upstart-bin binaries.
+   - upstart-bin is a transitional package. Can be deleted in vivid+1.
+   - removed some deprecated transition path for both debian and ubuntu.
+   - ensure grub is updated when upstart-sysv is installed.
+   - always get alternatives init and right default grub entries.
+
+ -- Didier Roche <didrocks@ubuntu.com> Mon, 23 Mar 2015 09:51:12 +0100
+
+upstart (1.13.2-0ubuntu9) vivid; urgency=medium
+
+ * debian/upstart-bin.upstart.cron.daily: Ensure the session uid matches that
+   of the session file itself to stop a user forcing the logrotation of
+   another users logs.
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 26 Feb 2015 14:35:41 +0000
+
+upstart (1.13.2-0ubuntu8) vivid; urgency=medium
+
+ * debian/upstart-bin.upstart.cron.daily:
+   - [SECURITY FIX]: Only consider valid session files to avoid possible
+   privilege escalation. Thanks to halfdog for reporting (LP: #1425685).
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 26 Feb 2015 12:34:30 +0000
+
+upstart (1.13.2-0ubuntu7) vivid; urgency=medium
+
+ * Correct upstart-udev-bridge session job start/stop on conditions.
+
+ -- Dimitri John Ledkov <dimitri.j.ledkov@linux.intel.com> Tue, 20 Jan 2015 10:54:54 +0000
+
+upstart (1.13.2-0ubuntu6) vivid; urgency=medium
+
+ * debian/upstart-bin.upstart.cron.daily: Emit "rotate-logs" event direct
+   into session init, by-passing system upstart & session
+   event-bridge. This way session logs will be rotated, even upstart is
+   not system init.
+ * debian/control: make upstart-monitor & upstart-dconf-bridge be
+   installable with just session init, upstart-bin.
+ * extra/upstart-local-bridge: implement systemd pid1 logic.
+ * extra/upstart-event-bridge: make it re-emit upstart-local-bridge

+   events direct.
+ * util/telinit: Revert to synchronous behaviour coupled with unavoidable
+   poll to ensure telinit only returns once a re-exec has completed (LP:
+   #901038).
+ * move udev & local bridges to upstart-bin package.
+
+ -- Dimitri John Ledkov <dimitri.j.ledkov@linux.intel.com> Sat, 17 Jan 2015 01:59:42 +0000
+
+upstart (1.13.2-0ubuntu5) vivid; urgency=medium
+
+ * debian/xsession.d/99upstart: Add support for GNOME Flashback
+   session scripts.
+
+ -- Dmitry Shachnev <mitya57@ubuntu.com> Sat, 29 Nov 2014 14:39:07 +0300
+
+upstart (1.13.2-0ubuntu4) vivid; urgency=medium
+
+ * Fix Breaks/Replaces: operator. *brown paperbag*
+
+ -- Martin Pitt <martin.pitt@ubuntu.com> Thu, 20 Nov 2014 07:57:50 +0100
+
+upstart (1.13.2-0ubuntu3) vivid; urgency=medium
+
+ [James Hunt]
+ * debian/user-conf/logrotate.conf: Handle corrupt status files.
+ * init/tests/test_conf_preload.sh.in: Use build-generated libtool to
+   avoid breaking test_conf_preload.sh when the packaged binary moves
+   between packages.
+ * init/Makefile.am: Pass top_builddir to test_conf_preload.sh.in.
+
+ [Dmitry Shachnev]
+ * debian/upstart-xsessions: Update for new GNOME Flashback session
+   names (LP: #1383382).
+
+ [Martin Pitt]
+ * Move apparmor-profile-load to upstart-bin. Otherwise, if you try to
+   install e. g. avahi-daemon and systemd-sysv in one go under upstart (as in
+   systemd's autopkgtest), avahi-daemon will fail.
+
+ -- Martin Pitt <martin.pitt@ubuntu.com> Wed, 19 Nov 2014 14:48:48 +0100
+
+upstart (1.13.2-0ubuntu2) utopic; urgency=medium
+
+ * debian/upstart-bin.upstart.cron.daily: Redirect stdout to /dev/null as
+   well, to avoid a daily cron mail with the upstart version.
+
+ -- Martin Pitt <martin.pitt@ubuntu.com> Tue, 30 Sep 2014 07:11:16 +0200
+

+upstart (1.13.2-0ubuntu1) utopic; urgency=medium
+
+ * New upstream release.
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 04 Sep 2014 12:32:07 +0100
+
+upstart (1.13.1-0ubuntu4) utopic; urgency=medium
+
+ * debian/upstart-bin.upstart.cron.daily: Only run if upstart is actually
+   active.
+
+ -- Martin Pitt <martin.pitt@ubuntu.com> Thu, 28 Aug 2014 06:24:03 +0200
+
+upstart (1.13.1-0ubuntu3) utopic; urgency=medium
+
+ * Split upstart package into upstart & upstart-bin. (LP: #1351306)
+
+ -- Dimitri John Ledkov <xnox@ubuntu.com> Wed, 06 Aug 2014 13:07:24 +0100
+
+upstart (1.13.1-0ubuntu2) utopic; urgency=medium
+
+ * Cherry-pick cgmanager text fix from upstream.
+
+ -- James Hunt <james.hunt@ubuntu.com> Mon, 28 Jul 2014 11:22:39 +0100
+
+upstart (1.13.1-0ubuntu1) utopic; urgency=medium
+
+ * New upstream release.
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 17 Jul 2014 15:23:18 +0100
+
+upstart (1.13-0ubuntu1) utopic; urgency=medium
+
+ * New upstream release.
+ * Cherry-pick arm64 test_job_process unit test fix.
+
+ -- Dimitri John Ledkov <xnox@ubuntu.com> Mon, 14 Jul 2014 13:57:32 +0100
+
+upstart (1.12.1-0ubuntu11) utopic; urgency=medium
+
+ * Do not fail xsession-init pre-start, if SESSIONTYPE is unset, or
+   setting deprecated gnome-session variable fails for any reason.
+
+ -- Dimitri John Ledkov <xnox@ubuntu.com> Fri, 20 Jun 2014 19:07:03 +0100
+
+upstart (1.12.1-0ubuntu10) utopic; urgency=medium
+
+ * Revert spurious +x -> -x change on daily upstart cron file.

+ * Cherrypick reboot command fix to not process REBOOTCOMMAND argument
+   when in runlevels 2-5 and without using force flag. (LP: #1174272)
+
+ -- Dimitri John Ledkov <xnox@ubuntu.com> Fri, 20 Jun 2014 12:09:51 +0100
+
+upstart (1.12.1-0ubuntu9) utopic; urgency=medium
+
+ [Dimitri John Ledkov]
+ * Add libcgmanager-dev build-dependency.
+
+ [Iain Lane]
+ * xsession-init: Set $GNOME_DESKTOP_SESSION_ID if we are launching a
+   gnome-session session. Some applications (Qt4) require this to be set to
+   any value to detect the environment in use. It was historically set by
+   gnome-session but now this is no longer the root of the session so not all
+   user processes are guaranteed to have it. (LP: #1305294)
+
+ -- Dimitri John Ledkov <xnox@ubuntu.com> Fri, 20 Jun 2014 11:13:27 +0100
+
+upstart (1.12.1-0ubuntu8) utopic; urgency=medium
+
+ * Drop the 01-upstart-lsb hook as it's now part of lsb.
+
+ -- Stéphane Graber <stgraber@ubuntu.com> Tue, 27 May 2014 16:15:03 +0200
+
+upstart (1.12.1-0ubuntu7) utopic; urgency=medium
+
+ * debian/upstart-xsessions: Run unity8-x11 and unity8-mir sessions in a user
+   session.
+
+ -- Iain Lane <iain.lane@canonical.com> Fri, 16 May 2014 18:13:14 +0100
+
+upstart (1.12.1-0ubuntu6) utopic; urgency=medium
+
+ * Map force-reload to restart command in init-functions hook.
+ * Use variable expansion, instead of basename as that is shipped in
+   /usr.
+ * Resolve test-failure, when dbus user session job is launched
+   accidentally by unit-tests. (LP: #1315767)
+
+ -- Dimitri John Ledkov <xnox@ubuntu.com> Wed, 07 May 2014 20:15:35 +0100
+
+upstart (1.12.1-0ubuntu5) utopic; urgency=medium
+
+ [James Hunt]
+ * debian/manpages/upstart-events.7: Correction for 'rotate-logs'.
+ * debian/upstart.cron.daily: Specify full path to initctl.
+ * init/man/init.8: Add missing information on '--chroot-sessions'.

+ * debian/upstart.apport: Sort system and session jobs.
+
+ [Dimitri John Ledkov]
+ * Add lsb initfunctions hook, to transparently execute the upstart job
+   instead of the init.d script, when both are provided. For example this
+   means that e.g. mysql, ssh and other daemons can be operated by
+   invoking init.d script directly in addition to using invoke-rc.d,
+   update-rc.d, service and initctl commands. (Closes: #712763) (LP:
+   #1273462)
+
+ -- Dimitri John Ledkov <xnox@ubuntu.com> Sat, 03 May 2014 04:41:23 +0100
+
+upstart (1.12.1-0ubuntu4) trusty; urgency=medium
+
+ [Adam Conrad]
+ * Disable chroot sessions by default, add an option to enable chroot
+   sessions. (LP: #1277594)
+
+ -- Dimitri John Ledkov <xnox@ubuntu.com> Fri, 11 Apr 2014 22:31:21 +0100
+
+upstart (1.12.1-0ubuntu3) trusty; urgency=medium
+
+ [Steve Langasek]
+ * Rotate user logs daily, not hourly; while we do need them rotated more
+   often than once per login in the case of long-lived sessions, once per
+   hour is far too frequent and will cause log data to be rotated off far
+   too quickly.
+
+ [Dimitri John Ledkov]
+ * Clean-up stale child processes in the new initctl reload test case,
+   thus resolving hanging buildds.
+
+ -- Dimitri John Ledkov <xnox@ubuntu.com> Fri, 11 Apr 2014 20:18:50 +0100
+
+upstart (1.12.1-0ubuntu2) trusty; urgency=medium
+
+ [Steve Langasek]
+ * debian/conf/wait-for-state.conf: suppress stderr from 'grep -q
+   /etc/init/foo.override', since the file may not exist. LP: #1298938.
+
+ [James Hunt] (LP: #1306361)
+ * debian/upstart.cron.hourly: hourly cron job to emit the 'rotate-logs'
+   event.
+ * debian/user-conf/logrotate.conf: Run 1 minute after session startup
+   and whenever the 'rotate-logs' event is emitted.
+ * debian/manpages/upstart-events.7: Add 'rotate-logs' event.
+
+ [Dimitri John Ledkov]

+ * Reintroduce previous way of reloading jobs, such that "initctl reload"
+   is now backwards compatible with precise upstart (still) running as
+   pid 1 during upgrades. (LP: #1303891)
+ * Add a shebang to debian/upstart.cron.hourly
+
+ -- Dimitri John Ledkov <xnox@ubuntu.com> Fri, 11 Apr 2014 05:43:53 +0100
+
+upstart (1.12.1-0ubuntu1) trusty; urgency=medium
+
+ [Dimitri John Ledkov]
+ * Adjust wait-for-state job to also check .override for "manual" flag.
+
+ [James Hunt]
+ * New upstream release.
+
+ -- James Hunt <james.hunt@ubuntu.com> Tue, 11 Mar 2014 16:11:37 +0000
+
+upstart (1.11-0ubuntu5) trusty; urgency=medium
+
+ * Do not require a specific python3 version.
+
+ -- Matthias Klose <doko@ubuntu.com> Thu, 20 Feb 2014 11:54:22 +0100
+
+upstart (1.11-0ubuntu4) trusty; urgency=medium
+
+ * No-change rebuild for Python 3.4.
+
+ -- Matthias Klose <doko@ubuntu.com> Wed, 19 Feb 2014 20:31:46 +0100
+
+upstart (1.11-0ubuntu3) trusty; urgency=medium
+
+ * If present, wait for plymouth to come up in shut-down mode before
+   changing runlevel at shutdown. (LP: #967229)
+
+ -- Dimitri John Ledkov <xnox@ubuntu.com> Tue, 04 Feb 2014 15:01:47 +0000
+
+upstart (1.11-0ubuntu2) trusty; urgency=low
+
+ [Steve Langasek]
+ * Merge Debian packaging changes from 1.10-2.
+
+ [James Hunt]
+ * debian/manpages/upstart-events.7: Remove Job States and Job Lifecycle
+   sections since they have been added to init.8 upstream (closes: bug#732125).
+ * debian/manpages/upstart-events.7:
+   - Added missing dbus and dconf events.
+   - Added all inline events to SEE ALSO section for quick reference.
+   (when coupled with latest upstream doc changes, closes: bug#732128).

+ * debian/control: add Build-Depends on libtool for test_conf_preload.sh.
+ * Cherry-pick fix for handling re-exec if job is invalid (LP: #1269731).
+
+ -- James Hunt <james.hunt@ubuntu.com> Tue, 21 Jan 2014 11:50:09 +0000
+
+upstart (1.10-2) unstable; urgency=low
+
+ * init/tests/test_state.c: fix test case to not assume SIGUSR1 == 10;
+   the numeric value may vary between platforms, what we actually care
+   about is making sure that the deserialization output matches what was in
+   the json - so check the numeric value, NOT the symbolic signal name.
+   LP: #1254326.
+ * init/tests/test_log.c: don't assume the root filesystem is not writable.
+   If we want to make sure log data stays in the buffer instead of being
+   flushed to disk, create a log file that we control and know can't be
+   written to.
+
+ -- Steve Langasek <vorlon@debian.org> Sat, 23 Nov 2013 22:17:35 +0000
+
+upstart (1.10-1) unstable; urgency=low
+
+ * New upstream release.
+   - fixes racy test utmp test case. Closes: #722572.
+   - drop changes to init/job_class.[ch] process priority handling in favor
+   of upstream version.
+ * Pull in Ubuntu packaging changes:
+   - add INIT_VERBOSE to rc*.conf, overlooked in the previous merge.
+   - call dh-autoreconf, adding build-depends on dh-autoreconf and autopoint.
+   - update debian/copyright.
+   - add upstart-monitor package.
+   - migrate to python3.
+   - use "serial-tests" harness during build, instead of automake1.13's
+   default "parallel-tests" harness; and build-depend on automake
+   (>= 1.12) for this interface.
+   - Enable parallel build.
+   - Enable initial autopkgtests, just doing a package build and rerunning
+   the test suite.
+   - Add upstart-dconf-bridge package.
+   - Silence running-in-container when called from apparmor-profile-load.
+   - Hard-code a dependency on libjson0 (>= 0.10-1.2), the first version of
+   the package that installs to /lib instead of /usr/lib.
+   - Add postinst to handle stateful reexec on upgrade, and depend on
+   debianutils for ischroot(1).
+   - Add libupstart1 and libupstart1-dev packages.
+   - debian/manpages/upstart-events.7: Update for Session Init events.
+   - use verbose build (disable silent rules) by default.
+   - disable upstream build-time abi check.
+   - don't install upstart-event-bridge or upstart-dconf bridge jobs.

+   - install an apport hook.
+   - debian/source/options: Ignore gmo files we rebuild anyway.
+   - include changes to debian/upstart-job, which in practice should never
+   be used in Debian.
+   - init/apparmor.c: do not load apparmor if running in a container or a
+   live cd.
+   - init/job_process.c: don't fail if the security profile failed to load.
+   - drop no longer used util/tests/test_user_sessions.sh.
+ * For now, do not pull in packaging changes to include upstart user
+   sessions.
+ * Reorder the postinst to avoid calling initctl from a chroot on upgrade,
+   as this has side-effects of triggering upstart chroot sessions.
+ * Lose the unnecessary postinst boilerplate.
+ * init/tests/test_job_process.c: adjust test case to not key on the text
+   of error messages which will vary depending on whether /bin/sh is
+   dash or bash; and use TEST_STR_MATCH so that in the event of future
+   failures, we know why it's failing.
+ * Drop the hard-coded dep on sysv-rc; we already depend on initscripts
+   which depends on sysv-rc | file-rc, and file-rc now has upstart support,
+   so we don't need to force users to choose between upstart and file-rc.
+   Closes: #709483.
+
+ -- Steve Langasek <vorlon@debian.org> Thu, 21 Nov 2013 21:43:26 +0000
+
+upstart (1.11-0ubuntu1) trusty; urgency=low
+
+ [Dmitrijs Ledkovs]
+ * Run as much test-suites as possible, before exiting with failure.
+
+ [James Hunt]
+ * New upstream release.
+   - the global environment is now serialized on re-exec. LP: #1238078.
+   - fixes support for upstart-file-bridge detecting directory creation.
+   LP: #1221466.
+   - Fixes upstart user session to not override the user's configured
+   umask. LP: #1240686.
+   - Makes the session init available on the session dbus.
+   LP: #1203595, #1235649.
+
+ [Steve Langasek]
+ * Document the authoritative Vcs branch in debian/control.
+ * Update Standards-Version to 3.9.5, no changes required.
+
+ -- James Hunt <james.hunt@ubuntu.com> Fri, 15 Nov 2013 13:16:56 +0000
+
+upstart (1.10-0ubuntu9) trusty; urgency=low
+
+ [Dmitrijs Ledkovs]

+ * If check target fails, cat test-suite log files to standard output
+   such that they are saved as part of build-log.
+
+ [Jonathan Davies]
+ * debian/rules: Set --enable-selinux in configure flags.
+ * debian/control: Set build-dependency on libselinux1-dev.
+
+ -- Steve Langasek <steve.langasek@ubuntu.com> Wed, 06 Nov 2013 22:15:18 -0800
+
+upstart (1.10-0ubuntu8) trusty; urgency=low
+
+ * debian/upstart.apport:
+   - Handle 'RecoverableProblem' and 'Hang' problem types (LP: #1238058).
+   - Cleanup now that lp bug 1154536 is fixed.
+
+ [Steve Langasek]
+ * Build-Depend on python3:any for cross-build support.
+
+ [Dmitrijs Ledkovs]
+ * Remove uevent blacklist now that udevd was fixed not to spam on
+   maguro.
+
+ [Steve Langasek]
+ * extra/upstart-socket-bridge.c: Cherry-pick fix from upstream for
+   upstart-socket-bridge to also not clobber PATH, using SOCKET_PATH
+   instead. LP: #1235480.
+
+ -- Steve Langasek <steve.langasek@ubuntu.com> Wed, 23 Oct 2013 23:59:20 -0700
+
+upstart (1.10-0ubuntu7) saucy; urgency=low
+
+ * Ignore emitting specific udev event spam on maguro, as a workaround
+   for LP: #1235649.
+
+ -- Dmitrijs Ledkovs <dmitrij.ledkov@ubuntu.com> Wed, 09 Oct 2013 13:52:10 +0100
+
+upstart (1.10-0ubuntu6) saucy; urgency=low
+
+ * extra/upstart-local-bridge.c: use SOCKET_PATH in our event
+   environment, instead of clobbering PATH. (LP: #1235480)
+
+ -- Steve Langasek <steve.langasek@ubuntu.com> Fri, 04 Oct 2013 14:45:40 -0700
+
+upstart (1.10-0ubuntu5) saucy; urgency=low
+
+ * extra/conf/upstart-file-bridge.conf: fix the start condition to
+   comply with the intent, that we start the file bridge only once
+   the filesystem is up. (LP: #1235387)

+
+ -- Steve Langasek <steve.langasek@ubuntu.com> Fri, 04 Oct 2013 11:35:18 -0700
+
+upstart (1.10-0ubuntu4) saucy; urgency=low
+
+ [James Hunt]
+ * upstart-local-bridge: allow input to be set of pairs (LP: #1234898)
+
+ [Dmitrijs Ledkovs]
+ * upstart-file-bridge: start session bridge on started dbus. (LP:
+   #1234841)
+
+ -- Dmitrijs Ledkovs <dmitrij.ledkov@ubuntu.com> Fri, 04 Oct 2013 15:25:21 +0100
+
+upstart (1.10-0ubuntu3) saucy; urgency=low
+
+ * Cherry-pick upstream fix for test failure (LP: #1089159).
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 03 Oct 2013 13:25:23 +0100
+
+upstart (1.10-0ubuntu2) saucy; urgency=low
+
+ [James Hunt]
+ * debian/upstart.apport: Check session state file set before attempting
+   to add an apport tag.
+ * debian/user-conf/logrotate.conf: Move sleep from pre-start to main stanza
+   to ensure session shutdown is fast even in the case where it is triggered
+   soon after login.
+ * Optimise and speed-up session logout (LP: #1227212)
+
+ [Steve Langasek]
+ * Use ${libdir} instead of including /usr/share/dpkg/architecture.mk.
+ * Drop manual symlinking of manpages, the upstream rules do this fine
+   for us already.
+
+ -- James Hunt <james.hunt@ubuntu.com> Tue, 01 Oct 2013 14:10:25 +0100
+
+upstart (1.10-0ubuntu1) saucy; urgency=low
+
+ * New upstream release (LP: #1199778, #1200264, #1201865).
+ * debian/user-conf/{re-exec,upstart-file-bridge}.conf: Removed as now
+   supplied by upstream.
+ * debian/upstart.install: Use all upstream-provided session config files.
+ * debian/control: Add upstart-dconf-bridge package.
+ * debian/rules: Remove files from upstart package that now live in the
+   upstart-dconf-bridge package.
+ * debian/upstart-dconf-bridge.install: New.
+ * debian/upstart-dconf-bridge.manpages: New.

+
+ -- James Hunt <james.hunt@ubuntu.com> Mon, 09 Sep 2013 10:22:18 +0100
+
+upstart (1.9.1-0ubuntu5) saucy; urgency=low
+
+ * Turn on Upstart user sessions for all the Ubuntu flavours.
+
+ -- Stéphane Graber <stgraber@ubuntu.com> Tue, 27 Aug 2013 10:25:22 -0400
+
+upstart (1.9.1-0ubuntu4) saucy; urgency=low
+
+ [Dmitrijs Ledkovs]
+ * Bump upstart-dbus-bridge conf file removal to 1.9.1-0ubuntu4. (LP: #1203323)
+
+ [James Hunt]
+ * debian/upstart.apport: Check to ensure that the sessions array contains
+   atleast one element.
+
+ -- Dmitrijs Ledkovs <dmitrij.ledkov@ubuntu.com> Fri, 23 Aug 2013 11:43:40 +0100
+
+upstart (1.9.1-0ubuntu3) saucy; urgency=low
+
+ * Fix stateful re-exec with multiple stale chroot sessions (LP: #1199778)
+
+ -- Dmitrijs Ledkovs <dmitrij.ledkov@ubuntu.com> Sat, 20 Jul 2013 00:17:07 +0100
+
+upstart (1.9.1-0ubuntu2) saucy; urgency=low
+
+ [Dmitrijs Ledkovs]
+ * Upload to saucy.
+
+ [James Hunt]
+ * Fix stateful re-exec with active chroot sessions (LP: #1199778)
+
+ [Colin Watson]
+ * Alternatively try new and old pkg-config names for json-c library.
+
+ -- Dmitrijs Ledkovs <dmitrij.ledkov@ubuntu.com> Thu, 18 Jul 2013 10:56:31 +0100
+
+upstart (1.9.1-0ubuntu1) saucy; urgency=low
+
+ [James Hunt]
+ * debian/upstart.apport:
+   - Added session count to report ('UpstartRunningSessionCount').
+   - Join Upstart session to ensure 'UpstartRunningSessionJobs' shows
+   session jobs and doesn't default to showing system ones.
+ * debian/copyright: Update year.
+ * New upstream release.

+ * debian/{control,libupstart*}: Add libupstart packaging.
+ * debian/rules:
+   - Delete upstart-dbus-bridge.conf to avoid running it at the system level.
+   - Install libupstart.pc to correct multi-arch location.
+ * debian/upstart.postinst: Handle safe removal of
+   upstart-dbus-bridge.conf (which is not used at the system level).
+ * debian/control: Add build-depends on automake >= 1.12 for serial-tests
+   in configure.ac (LP: #1197529).
+ * debian/libupstart-dev.install: Specify wildcarded path (for multi-arch).
+
+ [Dmitrijs Ledkovs]
+ * Correct libupstart1.symbols, whilst soname is at 1.0.0, all of them
+   first appeared in 1.9.1 upstream version.
+ * Use dpkg-maintscript-helper to remove obsolete conffiles.
+
+ -- James Hunt <james.hunt@ubuntu.com> Mon, 08 Jul 2013 14:04:28 +0100
+
+upstart (1.9-0ubuntu2) saucy; urgency=low
+
+ * Cherry-pick upstream fix for crashing bridges (LP: #1197225)
+
+ -- Dmitrijs Ledkovs <dmitrij.ledkov@ubuntu.com> Wed, 03 Jul 2013 09:37:35 +0100
+
+upstart (1.9-0ubuntu1) saucy; urgency=low
+
+ [Dmitrijs Ledkovs]
+ * Use dh_auto_build to run the testsuite, as dh_auto_test stopped
+   finding autotools test suite.
+ * Correct typo in upstart postinst (LP: #1195955)
+
+ [James Hunt]
+ * New upstream release.
+ * init/tests/test_conf.c: Remove duplicate define.
+
+ [Stéphane Graber]
+ * Cherry-pick r1498 from upstream upstart to fix incorrect respawn handling
+   for jobs that have shell characters in their expanded command line.
+   (LP: 1181789)
+
+ [Marc Deslauriers]
+ * Added some distro-specific changes:
+   - init/apparmor.c: do not load apparmor if running in a container or a
+   live cd.
+   - init/job_process.c: don't fail if the security profile failed to load
+   to emulate current behaviour on Ubuntu.
+
+ -- Dmitrijs Ledkovs <dmitrij.ledkov@ubuntu.com> Tue, 02 Jul 2013 20:14:51 +0100
+

+upstart (1.8-0ubuntu7) saucy; urgency=low
+
+ * Simplify postinst re-exec logic by removing runlevel checks. Now the
+   logic is:
+   - re-exec if lossless stateful re-exec is available
+   - perform partial stateful re-exec, unless running under upstart
+   - re-exec if upgrading from pre dbus capable upstart
+   - do nothing if running from chroot
+   - otherwise hint that init is upgraded
+
+ -- Dmitrijs Ledkovs <dmitrij.ledkov@ubuntu.com> Mon, 17 Jun 2013 14:17:58 +0100
+
+upstart (1.8-0ubuntu6) saucy; urgency=low
+
+ * debian/upstart.postinst:
+   - When only partial stateful re-exec is available, and upgrade is run by
+   cloud-config simply leave init upgraded.
+   - When partial stateful re-exec is not performed also leave reboot required marker.
+
+ -- Dmitrijs Ledkovs <dmitrij.ledkov@ubuntu.com> Thu, 13 Jun 2013 14:36:17 +0100
+
+upstart (1.8-0ubuntu5) saucy; urgency=low
+
+ * Change upstart's version string, such that postinst can detect whether
+   the running upstart instance has full serialization fixes.
+ * In postinst, check running upstart for the above version number or 1.9
+   or better and then perform lossless stateful re-execution. Other wise
+   check for runlevels 2-5 and perform partial stateful re-execution.
+
+ -- Dmitrijs Ledkovs <dmitrij.ledkov@ubuntu.com> Tue, 11 Jun 2013 10:51:53 +0100
+
+upstart (1.8-0ubuntu4) saucy; urgency=low
+
+ [James Hunt]
+ * Cherry pick lp:~jamesodhunt/upstart/serialise-remaining-objects (LP:#1124384):
+   - Preserve event blockers during configuration reload.
+   - Serialise & deserialise blocking events during stateful
+   re-execution.
+ * debian/manpages/upstart-events.7: Added ':sys:restarted'.
+ * debian/upstart.postinst: Don't re-exec if runlevel is not 2
+   yet (to allow cloud-init to dist-upgrade upstart safeily in early boot).
+
+ [Dmitrijs Ledkovs]
+ * Upload to saucy.
+ * Use "serial-tests" harness during build, instead of the automake's
+   1.13 default "parallel-tests" harness.
+ * Enable parallel build by default.
+

+ -- Dmitrijs Ledkovs <dmitrij.ledkov@ubuntu.com> Thu, 06 Jun 2013 16:15:09 +0100
+
+upstart (1.8-0ubuntu3) saucy; urgency=low
+
+ * Update the Xsession.d scripts to be a bit more generic and work with
+   lxsession as well as gnome-session.
+
+ -- Stéphane Graber <stgraber@ubuntu.com> Fri, 31 May 2013 17:13:15 -0400
+
+upstart (1.8-0ubuntu2) saucy; urgency=low
+
+ [James Hunt]
+ * debian/manpages/upstart-events.7: Added ':sys:restarted'.
+
+ [Stéphane Graber]
+ * Turn on user sessions by default for the 'ubuntu' xsession.
+ * Manually add scripts/man/upstart-monitor.8 as it was missing from the
+   upstream 1.8 tarball.
+
+ -- Stéphane Graber <stgraber@ubuntu.com> Fri, 03 May 2013 09:55:36 -0700
+
+upstart (1.8-0ubuntu1) raring; urgency=low
+
+ [James Hunt]
+ * debian/manpages/upstart-events.7: Update for Session Init events
+   and file bridge.
+ * debian/rules: Install apport hook.
+ * debian/upstart.apport: Addition of apport hook to handle PID 1 and
+   Session Init bugs.
+ * debian/upstart.dirs: Remove invalid leading slash and add apport
+   directory.
+ * Cherry-pick man page related fixes from upstream.
+ * debian/control: Create a separate upstart-monitor package and make
+   upstart suggest it.
+ * debian/rules:
+   - Add python3 and associated graphical packages.
+   - Handle man pages.
+ * debian/upstart.install: Add in files not now copied by default
+   now we have a separate upstart-monitor package. Note that initctl2dot
+   and init-checkconf are now correctly installed to /usr/bin rather
+   than /bin.
+ * debian/upstart-monitor.install: New file.
+ * debian/upstart-monitor.manpages: New file.
+ * debian/upstart.links: New file.
+ * debian/user-conf/upstart-file-bridge.conf: Required as start condition
+   different to system job of same name.
+
+ [Iain Lane]

+ * Set $SESSIONTYPE when emitting the xsession event that specifies the type
+   of session being launched. Currently only gnome-session is supported.
+
+ -- James Hunt <james.hunt@ubuntu.com> Tue, 26 Mar 2013 17:13:12 +0000
+
+upstart (1.7-0ubuntu1b1) raring; urgency=low
+
+ * No-change rebuild against libudev1
+
+ -- Martin Pitt <martin.pitt@ubuntu.com> Wed, 13 Mar 2013 07:02:18 +0000
+
+upstart (1.7-0ubuntu1) raring; urgency=low
+
+ [Stéphane Graber]
+ * New upstream release
+ * Install Xsession hooks and initial set of user jobs. Those will only be
+   used if the user explicitly whitelist the session in /etc/upstart-xsessions
+
+ [James Hunt]
+ * Remove user_sessions DEP-8 test since User Jobs are no longer
+   supported and replace with a dummy test that just forces the
+   tests to run.
+
+ -- Stéphane Graber <stgraber@ubuntu.com> Thu, 07 Mar 2013 16:16:13 -0500
+
+upstart (1.6.1-1ubuntu3) raring; urgency=low
+
+ * Use verbose build (disable silent rules) by default.
+ * Cherry-pick r1436 to support passing reboot command.
+
+ -- Dmitrijs Ledkovs <dmitrij.ledkov@ubuntu.com> Mon, 25 Feb 2013 15:42:00 +0000
+
+upstart (1.6.1-1ubuntu2) raring; urgency=low
+
+ [Stéphane Graber]
+ * Call autoreconf so we can use the same packaging for snapshots as for
+   release tarballs. Add depends on dh-autoreconf and autopoint.
+
+ [James Hunt]
+ * init/log.c: Cherry-pick of upstream fix for jobs which end before
+   the log disk becomes writeable and which spawn off additional
+   processes which persist after the main job process has ended
+   (LP: #1096531).
+
+ -- James Hunt <james.hunt@ubuntu.com> Tue, 22 Jan 2013 15:18:30 +0000
+
+upstart (1.6.1-1ubuntu1) raring; urgency=low
+

+ [Steve Langasek]
+ * New upstream release.
+ * Merge with Debian.
+   - drop debian/conf/dbus-reconnect.conf again, only needed in Debian.
+   - don't build against libselinux; this is probably fine to have in
+   Ubuntu, but this isn't the time to add it.
+   - back down the Debian-specific versioned depends on sysvinit, ifupdown,
+   udev
+ * Export $TERM in init/Makefile.am; the Debian buildds don't set this,
+   which results in test failures because of assumptions that it will be
+   available.
+ * Hard-code a dependency on libjson0 (>= 0.10-1.1ubuntu1), the first
+   version of the package that installs to /lib instead of /usr/lib.
+
+ [James Hunt]
+ * debian/upstart-job: Allow script to operate quietly by reading optional
+   /etc/default/upstart-job configuration. Thanks to Jouko Orava
+   (LP: #613231)
+ * debian/control: Added debianutils for ischroot(1).
+ * debian/upstart.postinst: Enabled stateful re-exec handling in selected
+   upgrade scenarios. Details:
+   - Only query running version if initctl is known to work.
+   - Discard initctl stderr just in case.
+   - Do not re-exec if running in a chroot (uses ischroot(1)).
+   - Removed redundent check on previously installed version.
+   - Updated lengthy commentary.
+
+ [Stéphane Graber]
+ * debian/apparmor-profile-load: Ignore output from running-in-container.
+   This prevents the output of running-in-container from being appended to
+   rsyslog's upstart log (and any other job calling apparmor-profile-load).
+
+ [Dmitrijs Ledkovs, James Hunt]
+ * Add DEP-8 autopkgtests.
+
+ -- Steve Langasek <steve.langasek@ubuntu.com> Thu, 15 Nov 2012 09:26:10 -0800
+
+upstart (1.6.1-1) unstable; urgency=low
+
+ * New upstream release.
+ * Declare a Breaks: against old versions of cryptsetup which have upstart
+   jobs named in a way that will deadlock the boot. (Ref: bug #694499)
+ * Make versioned build-dep on json-c (>= 0.10) explicit.
+ * Add debian/conf/dbus-reconnect.conf, to tell upstart to connect to the
+   system bus once dbus is started. This is a temporary solution until
+   dbus in Debian has native upstart support.
+
+ -- Steve Langasek <vorlon@debian.org> Mon, 10 Dec 2012 00:28:29 -0800

+
+upstart (1.6-3) unstable; urgency=low
+
+ * init/tests/test_job_process.c: don't test the blocked/ignored signal list
+   in a spawned job; this is not testing the upstart code but the
+   characteristics of the system, and the test is wrong because it assumes
+   the signal lists in /proc/self/status fit in an unsigned long int
+   - patently untrue on mips, where we have 128 signals for historical
+   reasons.
+
+ -- Steve Langasek <vorlon@debian.org> Sun, 18 Nov 2012 12:25:21 -0600
+
+upstart (1.6-2) unstable; urgency=low
+
+ * init/tests/test_job_process.c: cherry-pick upstream fix for test which
+   was accidentally relying on a variable persisting after it's gone out of
+   scope.
+ * init/tests/test_job_process.c: drop change to print path in the test,
+   should be fixed by the above.
+ * init/job_class.[ch]: instead of assuming a fixed value (0) as the
+   default nice value for job processes, use whatever the nice value of the
+   current process is. This will be important later for user sessions
+   where an entire session may be started with a higher nice value; and it
+   fixes running the test suite as part of a nice'd build.
+ * init/tests/test_job_class.c: update test suite to match.
+
+ -- Steve Langasek <vorlon@debian.org> Sun, 18 Nov 2012 01:54:29 -0600
+
+upstart (1.6-1) unstable; urgency=low
+
+ * New upstream release.
+ * Add build-dependency on libjson0-dev.
+ * Export $TERM in init/Makefile.am; the Debian buildds don't set this,
+   which results in test failures because of assumptions that it will be
+   available.
+ * init/tests/test_job_process.c: tests are failing to re-exec the test
+   binary on mips for no clear reason; output the path so we can try to
+   debug.
+ * init/tests/test_job_process.c: amd64 build failed with an inscrutible
+   error from waitid(). Print errno on failure to try to diagnose this.
+
+ -- Steve Langasek <vorlon@debian.org> Sat, 17 Nov 2012 23:19:37 -0600
+
+upstart (1.5-1) unstable; urgency=low
+
+ * New maintainer.
+ * New upstream release. Closes: #627544.
+ * Drop /etc/init/dbus-reconnect.conf, no longer needed.

+ * Add new jobs from Ubuntu: console, container-detect, failsafe,
+   flush-early-job-log, rcS.conf, shutdown, wait-for-state.
+ * Use 'linux-any' in the architecture check in debian/control, instead of
+   trying to enumerate all non-linux archs. Closes: #634513.
+ * Conflict with lxcguest package (Ubuntu-specific).
+ * Breaks old friendly-recovery (Ubuntu-specific).
+ * Mark upstart multi-arch: foreign.
+ * Add upstart-events(7) manpage from Ubuntu.
+ * Update packaging to dh(1), debian/compat=9 (from Ubuntu).
+ * debian/running-in-container: a script using container.conf to
+   answer whether upstart is running in a container.
+ * refresh soon-to-be-obsolete upstart-job helper from Ubuntu.
+ * Add bash-completion support.
+ * Add /var/log/upstart directory and logrotate support.
+ * Don't re-exec init on upgrade, we don't currently support stateful
+   re-exec.
+ * Switch to source format 1.0 for consistency with Ubuntu and for sane(r)
+   VCS handling.
+ * Add versioned dependencies on ifupdown and udev for the prerequisite
+   boot events.
+ * util/shutdown.c: look for sysvinit at /run/initctl before /dev/initctl,
+   so that we're compatible with both the old and new paths used by
+   sysvinit in Debian. Closes: #659540.
+ * Move to bzr for the official package Vcs, for greater synergy with the
+   Ubuntu packaging.
+ * Use copyright-format/1.0 for debian/copyright. This drops Scott from
+   the list of copyright holders, as an individual copyright is not
+   attested in any of the upstream sources.
+
+ -- Steve Langasek <vorlon@debian.org> Mon, 12 Nov 2012 13:38:34 -0800
+
+upstart (1.5-0ubuntu9) quantal-proposed; urgency=low
+
+ * debian/apparmor-profile-load: exit 0 if apparmor_parser fails to not
+   block upgrades (errors will still be logged by upstart). This can be
+   removed once apparmor_parser better deals with new policy on old kernels
+   - LP: #1058356
+
+ -- Jamie Strandboge <jamie@ubuntu.com> Fri, 12 Oct 2012 13:54:10 -0500
+
+upstart (1.5-0ubuntu8) quantal; urgency=low
+
+ * Merge of latest upstream including doc fixes, fixes for booting
+   on initramfs-less systems and improved error handling in spawn
+   failure scenarios (LP: #980917, #1032101).
+
+ -- James Hunt <james.hunt@ubuntu.com> Wed, 08 Aug 2012 10:05:34 +0100
+

+upstart (1.5-0ubuntu7) precise-proposed; urgency=low
+
+ * Correct a build failure from the previous upload.
+
+ -- Steve Langasek <steve.langasek@ubuntu.com> Thu, 26 Apr 2012 07:48:17 -0700
+
+upstart (1.5-0ubuntu6) precise-proposed; urgency=low
+
+ * debian/upstart.logrotate: don't create empty files after rotation;
+   upstart will automatically create new log files for jobs as needed.
+ * init/main.c: restore the fix for bug #540256; we know the console setup
+   is taken care of by plymouth in Ubuntu, so upstart changing the console
+   settings just makes trouble (such as turning echo back on when it
+   shouldn't be). LP: #876626.
+
+ [James Hunt]
+ * debian/upstart-job: Only attempt to handle disabled jobs if the running
+   version of Upstart supports such a query (LP: #985755, #984474).
+ * debian/manpages/upstart-events.7: Fixed typo and corrected reference to
+   'kill signal' stanza.
+
+ -- Steve Langasek <steve.langasek@ubuntu.com> Wed, 25 Apr 2012 13:23:34 -0700
+
+upstart (1.5-0ubuntu5) precise; urgency=low
+
+ * debian/upstart-job: Add in handling for disabled jobs:
+   - Do not restart a job if disabled, unless job was forcibly started.
+   - Do stop a disabled job that was forcibly started.
+   Resolves issue where 'invoke-rc.d restart' erroneously started disabled
+   jobs on package upgrade (LP: #974147)
+
+ -- James Hunt <james.hunt@ubuntu.com> Tue, 10 Apr 2012 09:19:03 +0100
+
+upstart (1.5-0ubuntu4) precise; urgency=low
+
+ * debian/apparmor-profile-load: don't run in a container. This can
+   hopefully be removed after stacked profiles are supported and
+   used by lxc. (LP: #978297)
+
+ -- Serge Hallyn <serge.hallyn@ubuntu.com> Tue, 10 Apr 2012 14:55:41 -0500
+
+upstart (1.5-0ubuntu3) precise; urgency=low
+
+ * debian/manpages/upstart-events.7: Correct emitter for
+   "static-network-up" event.
+
+ -- James Hunt <james.hunt@ubuntu.com> Wed, 28 Mar 2012 11:59:56 +0100
+

+upstart (1.5-0ubuntu2) precise; urgency=low
+
+ * debian/conf/flush-early-job-log.conf: Change initctl command from
+   'flush-early-job-log' to 'notify-disk-writeable' to reflect new name.
+ * init/man/init.8: Remove duplicate telinit(8).
+ * debian/manpages/upstart-events.7:
+   - Added table 'Job Goals and State Transitions'.
+   - Corrected errors and omissions in 'Job Lifecycle' section.
+
+ -- James Hunt <james.hunt@ubuntu.com> Wed, 28 Mar 2012 11:00:04 +0100
+
+upstart (1.5-0ubuntu1) precise; urgency=low
+
+ * FFe. LP: #962124.
+ * New upstream 1.5 release.
+   - fix boot failure when /dev/pts is not mounted before upstart starts.
+   LP: #936667.
+   - fix a file descriptor leak on job restarts. LP: #940290.
+ * debian/conf/failsafe.conf: Added missing "emits" which breaks
+   'initctl check-config'.
+ * debian/manpages/upstart-events.7: Added 'failsafe-boot' and
+   'recovery' events.
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 22 Mar 2012 13:50:31 +0000
+
+upstart (1.4-0ubuntu9) precise; urgency=low
+
+ [Steve Langasek]
+ * debian/conf/failsafe.conf: instead of waiting for the 'runlevel' event
+   before considering failsafe done, stop this job as soon as we're
+   starting rc-sysinit; that way, any delays in /etc/rcS.d will not cause
+   confusing messages about networking delays when the network is not the
+   problem. (LP: #950662)
+
+ [James Hunt]
+ * init/log.c:log_read_watch(): Set remote_closed for scenarios where error
+   handler never called. (LP: #935585)
+
+ [Serge Hally]
+ * debian/conf/power-status-changed.conf: shut down on getting SIGPWR.
+   Unprivileged tasks can't send this signal. In particular this will
+   allow clean shutdown of containers from the host.
+   (See http://www.makelinux.net/man/7/P/power-status-changed)
+
+ [Stéphane Graber]
+ * Rename Serge's job to shutdown.conf to avoid a name conflict with the
+   event power-status-changed.
+

+ -- Stéphane Graber <stgraber@ubuntu.com> Fri, 16 Mar 2012 13:48:04 -0400
+
+upstart (1.4-0ubuntu8) precise; urgency=low
+
+ * init/tests/test_job_process.c:
+   - close_all_files(): Correct type of index variable.
+   - test_run():
+   - "with single line command writing lots of data fast and exiting":
+   - add waitid() call to ensure log is not added to unflushed list.
+   - "with log object freed on process exit":
+   - add waitid() call to ensure log is not added to unflushed list.
+ * util/tests/test_initctl.c: test_flush_early_job_log():
+   - "with job ending before log disk writeable": Give Upstart a chance
+   to run the job as sometimes we see the job pid in the output which
+   causes the test to fail.
+
+ -- James Hunt <james.hunt@ubuntu.com> Fri, 17 Feb 2012 10:58:02 -0500
+
+upstart (1.4-0ubuntu7) precise; urgency=low
+
+ * debian/manpages/upstart-events.7: Added missing events 'container' and
+   'not-container'.
+ * Update 'runlevel' event emission time in upstart-events(7) (LP: #921501).
+ * Merge of important upstream log fixes to avoid spinning when a job
+   which leaks fds (such as 'sshd -D') is stopped (LP: #926468).
+ * Merge of lp:~jamesodhunt/upstart/early-job-log-flush to allow jobs that
+   _end_ very early in the boot to have their output logged.
+ * debian/conf/flush-early-job-log.conf: Upstart job to force flushing of
+   early job log output data when disk becomes writeable.
+ * Re-enable job logging by default.
+
+ [Steve Langasek]
+ * init/tests/test_job_process.c: close all fds before running tests that
+   check for unexpected open fds, so that files leaked from the environment
+   don't cause the test suite to fail gratuitously. LP: #926473.
+ * bump debhelper compat to 9 and adjust debian/rules to use the
+   dpkg-buildflags interfaces, so that upstart can be cross-compiled and
+   also so we pick up any future hardening flags for free.
+
+ -- Steve Langasek <steve.langasek@ubuntu.com> Thu, 16 Feb 2012 07:52:11 +0000
+
+upstart (1.4-0ubuntu6) precise; urgency=low
+
+ [Serge Hallyn]
+ * debian/conf/container-detect.conf: an upstart job to track whether upstart
+   detected itself running in a container.
+ * debian/running-in-container: a script using container.conf to
+   answer whether upstart is running in a container.

+ * debian/conf/console.conf: run getty on /dev/console when running
+   in a lxc container.
+ * debian/control: conflict with lxcguest.
+
+ [Stéphane Graber]
+ * debian/conf/container-detect.conf: extend to also detect OpenVZ and vserver
+   as well as write the type in /run/container_type and emit either:
+   - container CONTAINER=type
+   (where type is lxc, lxc-libvirt, openvz or vserver)
+   - not-container
+ * debian/running-in-container: extend to also print the type of container.
+ * Rebase debian/conf/console.conf on debian/conf/tty1.conf.
+ * Update tty[1234].conf to start on regular machines and LXC containers.
+ * Update tty[56].conf to only start on regular machines.
+
+ -- Stéphane Graber <stgraber@ubuntu.com> Wed, 08 Feb 2012 16:44:59 -0500
+
+upstart (1.4-0ubuntu5) precise; urgency=low
+
+ * Merge of important upstream log fixes to handle scenario attempts
+   are made to exec(3) directly non-existent commands. (LP: #922754)
+
+ -- James Hunt <james.hunt@ubuntu.com> Fri, 03 Feb 2012 14:16:40 +0000
+
+upstart (1.4-0ubuntu4) precise; urgency=low
+
+ * Disable job logging by default again due to a reported regression with
+   plymouth-upstart-bridge and upstart itself taking 100% CPU. Use --log
+   at boot time again for testing.
+
+ -- Steve Langasek <steve.langasek@ubuntu.com> Fri, 27 Jan 2012 11:04:05 -0800
+
+upstart (1.4-0ubuntu3) precise; urgency=low
+
+ [Stéphane Graber]
+ * Mark upstart Multi-Arch:foreign
+
+ [James Hunt]
+ * Merge of important logger fixes from upstream lp:upstart
+   (LP: #912558).
+ * Reverted temporary fix to disable job logging.
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 26 Jan 2012 15:13:25 +0000
+
+upstart (1.4-0ubuntu2) precise; urgency=low
+
+ * init/main.c: Temporarily disable default job logging whilst
+   investigating bug 912558 (can be re-enabled with

+   _temporary_ '--log' option).
+
+ -- James Hunt <james.hunt@ubuntu.com> Fri, 06 Jan 2012 16:11:23 +0000
+
+upstart (1.4-0ubuntu1) precise; urgency=low
+
+ * New upstream 1.4 release.
+ * debian/upstart.dirs: Create /var/log/upstart to hold job logs.
+ * debian/upstart.logrotate: Logrotate script for job logs.
+ * po/en@boldquot.gmo, po/en@quot.gmo: Overwrite with upstream versions to
+   keep bzr happy. This makes the files technically "wrong" (since the
+   Ubuntu Upstart code has additional messages not in upstream), but they get
+   re-genrated on build so it all works out.
+ * debian/manpages/upstart-events.7: Add missing 'static-network-up'
+   event (LP: #889047).
+ * debian/manpages/upstart-events.7: Add missing
+   'deconfiguring-networking' event (LP: #904175).
+ * Upstream merge for minor test fixes.
+ * Upstream merge for review fixes.
+ * Merge of upstream fix for running tests in environment not
+   supporting full POSIX SIGCHLD semantics.
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 22 Dec 2011 16:51:43 +0000
+
+upstart (1.3-0ubuntu11) oneiric-proposed; urgency=low
+
+ * debian/conf/failsafe.conf: stop on static-network-up, so that a slow
+   runlevel switch doesn't leave a confusing message on screen about
+   starting up without networking. LP: #881079.
+
+ -- Steve Langasek <steve.langasek@ubuntu.com> Wed, 26 Oct 2011 12:05:47 -0700
+
+upstart (1.3-0ubuntu10) oneiric; urgency=low
+
+ [Clint Byrum]
+ * debian/conf/failsafe.conf: do delay as script, not pre-start, so
+   that the messages/delays are stopped on runlevel immediately. emit
+   as an event, failsafe-boot, to provide finer grained control.
+   (LP: #863864)
+ * conf/rc-sysinit.conf: change from 'started failsafe' to 'failsafe-boot'
+   to accomodate changes to failsafe.conf.
+
+ [Steve Langasek]
+ * Document device-not-ready in upstart-events(7). LP: #805510.
+ * Document desktop-shutdown in upstart-events(7). LP: #854329.
+ * Mention lightdm in the list of example DMs in upstart-events(7), since
+   it's now the default...
+

+ -- Steve Langasek <steve.langasek@ubuntu.com> Mon, 03 Oct 2011 18:37:04 -0700
+
+upstart (1.3-0ubuntu9) oneiric; urgency=low
+
+ * Update rcS.conf to only start single user mode but not friendly-recovery.
+   (LP: #575469)
+ * Mark upstart as breaking friendly-recovery << 0.2.13
+
+ -- Stéphane Graber <stgraber@ubuntu.com> Thu, 15 Sep 2011 16:04:17 -0400
+
+upstart (1.3-0ubuntu8) oneiric; urgency=low
+
+ * debian/conf/failsafe.conf: Add plymouth messages to help users
+   understand why the system boot takes longer when they have
+   static network interfaces defined. (LP: #847782)
+
+ -- Clint Byrum <clint@ubuntu.com> Wed, 14 Sep 2011 18:53:10 -0700
+
+upstart (1.3-0ubuntu7) oneiric; urgency=low
+
+ * debian/conf/failsafe.conf: raise timeout to 120 seconds to
+   allow for very slow DHCP interfaces to come up on servers.
+   (LP: #839595)
+
+ -- Clint Byrum <clint@ubuntu.com> Sun, 04 Sep 2011 09:29:27 -0700
+
+upstart (1.3-0ubuntu6) oneiric; urgency=low
+
+ [Steve Langasek]
+ * Fix maintainer field to be compliant with policy definition
+
+ [Clint Byrum]
+ * conf/rc.conf: document events that are emitted by sysvinit
+   jobs to quiet 'initctl check-config'
+ * extra/conf/upstart-udev-bridge.conf: narrow definition to
+   only the events actually emitted. (LP: #819928)
+ * debian/conf/failsafe.conf: new job for critical services to
+   start on.
+ * conf/rc-sysinit.conf: start after static-network-up or failsafe
+   so that runlevel 2 is only entered with all static net interfaces
+   up. (LP: #580319)
+
+ -- Clint Byrum <clint@ubuntu.com> Wed, 10 Aug 2011 08:44:43 -0500
+
+upstart (1.3-0ubuntu5) oneiric; urgency=low
+
+ * Upstream cherry-pick for user session fixes
+   ("bzr merge -r 1318..1324 lp:upstart").

+
+ -- James Hunt <james.hunt@ubuntu.com> Mon, 25 Jul 2011 17:09:47 +0100
+
+upstart (1.3-0ubuntu4) oneiric; urgency=low
+
+ * init/main.c: main(): Add support for "/run" directory with fallback to
+   old location for initramfs state passing (LP: #810956).
+ * Upstream cherry-pick to get dbus fix ("bzr merge -r 1314.. lp:upstart").
+
+ -- James Hunt <james.hunt@ubuntu.com> Wed, 20 Jul 2011 14:51:04 +0100
+
+upstart (1.3-0ubuntu3) oneiric; urgency=low
+
+ * init/paths.h: Synced with upstream since Ubuntu file appears to have
+   diff applied twice, causing redefines.
+
+ -- James Hunt <james.hunt@ubuntu.com> Fri, 17 Jun 2011 09:59:49 +0100
+
+upstart (1.3-0ubuntu2) oneiric; urgency=low
+
+ * init/Makefile.am: Sync up from upstream, dropping TEST define which is
+   no longer required now we set UPSTART_NO_SESSIONS for init/tests/*.c
+   and specify "--no-sessions" for util/tests/*.c.
+
+ -- James Hunt <james.hunt@ubuntu.com> Fri, 17 Jun 2011 09:47:36 +0100
+
+upstart (1.3-0ubuntu1) oneiric; urgency=low
+
+ * Merge of Upstart 1.3 (lp:upstart @ 1.3 release tag).
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 16 Jun 2011 15:09:41 +0100
+
+upstart (0.9.7-3) oneiric; urgency=low
+
+ * Merge of upstream lp:~upstart-devel/upstart/0.9: Updates for
+   init-checkconf.
+
+ -- James Hunt <james.hunt@ubuntu.com> Wed, 27 Apr 2011 15:19:47 +0100
+
+upstart (0.9.7-2) oneiric; urgency=low
+
+ * Add wait-for-state generic "wait job".
+
+ -- Clint Byrum <clint@ubuntu.com> Wed, 04 May 2011 08:32:04 -0700
+
+upstart (0.9.7-1) natty; urgency=low
+
+ * New upstream release 0.9.7: Important session fix (LP: #767053).

+
+ -- James Hunt <james.hunt@ubuntu.com> Wed, 20 Apr 2011 17:44:41 +0100
+
+upstart (0.9.6-1ubuntu1) natty; urgency=low
+
+ [James Hunt]
+ * init/man/init.5: Remove mention of user jobs since facility is
+ disabled.
+
+ [Clint Byrum]
+ * Noting bugs fixed by 0.9.6 release of upstart: (LP: #728531 , LP: #766206)
+
+ -- Clint Byrum <clint@ubuntu.com> Tue, 19 Apr 2011 13:16:46 -0700
+
+upstart (0.9.6-1) natty; urgency=low
+
+ * New upstream release 0.9.6: Important session+chroot fixes.
+
+ -- James Hunt <james.hunt@ubuntu.com> Fri, 15 Apr 2011 15:36:40 +0100
+
+upstart (0.9.5-1ubuntu1) natty; urgency=low
+
+ [Clint Byrum]
+ * debian/upstart-job: change behavior to reload job configuration on
+   restart, which more closely matches expected sysvinit script
+   behavior. (LP: #707479)
+
+ -- James Hunt <james.hunt@ubuntu.com> Wed, 06 Apr 2011 17:50:53 +0100
+
+upstart (0.9.5-1) natty; urgency=low
+
+ * New upstream release 0.9.5.
+
+ -- James Hunt <james.hunt@ubuntu.com> Wed, 06 Apr 2011 17:45:38 +0100
+
+upstart (0.9.4-1ubuntu1) natty; urgency=low
+
+ * debian/manpages/upstart-events.7:
+   - Corrected reference to Upstart man page (actually init).
+   - Changed to using proper troff quotes.
+   - Escaped dashes in event names.
+   - Updated date.
+   - Table 1:
+   - Improved name.
+   - Sorted columns: Events, References, and Notes.
+   - Added unmounted-remote-filesystems event.
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 24 Mar 2011 14:34:12 +0000

+
+upstart (0.9.4-1) natty; urgency=low
+
+ * New upstream release 0.9.4:
+   - scripts/initctl2dot.py: Fixes to handle 'emits' glob syntax.
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 24 Mar 2011 14:31:26 +0000
+
+upstart (0.9.3-1) natty; urgency=low
+
+ * New upstream release 0.9.3:
+   - Added missing emits stanzas for supplied .conf files.
+   - Added wildcard/globbing facility to initctl.c (for check-config
+   command).
+   - Updated man page on emits stanza syntax.
+
+ -- James Hunt <james.hunt@ubuntu.com> Tue, 15 Mar 2011 11:57:11 +0000
+
+upstart (0.9.2-1) natty; urgency=low
+
+ * Merge of upstream lp:~upstart-devel/upstart/0.9.
+
+ -- James Hunt <james.hunt@ubuntu.com> Fri, 11 Mar 2011 10:34:39 +0000
+
+upstart (0.9.1-1ubuntu5) natty; urgency=low
+
+ * Merge of upstream lp:~upstart-devel/upstart/0.9.
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 10 Mar 2011 14:23:28 +0000
+
+upstart (0.9.1-1ubuntu4) natty; urgency=low
+
+ * Merge of upstream lp:~upstart-devel/upstart/0.9.
+
+ -- James Hunt <james.hunt@ubuntu.com> Mon, 07 Mar 2011 15:08:35 +0000
+
+upstart (0.9.1-1ubuntu3) natty; urgency=low
+
+ * debian/upstart.bash-completion: Fixed path so dh_bash-completion
+   considers it a file, not a snippet.
+
+ -- James Hunt <james.hunt@ubuntu.com> Fri, 04 Mar 2011 21:26:27 +0000
+
+upstart (0.9.1-1ubuntu2) natty; urgency=low
+
+ * debian/control: Added Suggests for python, graphviz and
+   bash-completion.
+ * debian/rules: Invoke bash-completion add-on explicitly.

+ * debian/manpages/upstart-events.7: New man page.
+ * debian/upstart.bash-completion: Install bash completion.
+ * debian/upstart.manpages: Install upstart-events.7.
+
+ -- James Hunt <james.hunt@ubuntu.com> Fri, 04 Mar 2011 17:16:26 +0000
+
+upstart (0.9.1-1ubuntu1) natty; urgency=low
+
+ * Merge of upstream lp:~upstart-devel/upstart/0.9.
+
+ -- James Hunt <james.hunt@ubuntu.com> Fri, 04 Mar 2011 15:13:35 +0000
+
+upstart (0.9.1-1) natty; urgency=low
+
+ * Merge of upstream lp:~upstart-devel/upstart/0.9.
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 03 Mar 2011 20:52:16 +0000
+
+upstart (0.9.0-1ubuntu3) natty; urgency=low
+
+ * Revert dbus/Upstart.conf to the version in 0.6.7, disabling user session
+   support until such time as it has comprehensive test suite coverage.
+
+ -- Colin Watson <cjwatson@ubuntu.com> Mon, 28 Feb 2011 20:29:01 +0000
+
+upstart (0.9.0-1ubuntu2) natty; urgency=low
+
+ * Added extra/Makefile.in to avoid build failing. These files need removing
+   at a later date and debian/rules updating to call dh-autoreconf.
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 24 Feb 2011 16:39:28 +0000
+
+upstart (0.9.0-1ubuntu1) natty; urgency=low
+
+ * debian/control: Updated for nih version 1.0.3 (required for nih-dbus-tool
+   and DBUS_TYPE_UNIX_FD).
+ * removed binary message catalog files causing build issues:
+   - po/en@boldquot.gmo
+   - po/en@quot.gmo
+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 24 Feb 2011 16:06:13 +0000
+
+upstart (0.9.0-1) natty; urgency=low
+
+ * New upstream release:
+   - Session support (chroots, sessions and user-session).
+   - Socket bridge.
+   - Override file support.

+
+ -- James Hunt <james.hunt@ubuntu.com> Thu, 24 Feb 2011 14:22:14 +0000
+
+upstart (0.6.7-7) natty; urgency=low
+
+ * Re-add upstream r977 to allow proper re-exec on shutdown (LP: #672177)
+ * debian/control: adding Breaks on eglibc version that disables
+   telinit u to avoid accidentally installing a version of libc6 that
+   will cause upstart to re-exec and lose its state.
+
+ -- Clint Byrum <clint@ubuntu.com> Fri, 21 Jan 2011 08:39:13 -0800
+
+upstart (0.6.7-6) natty; urgency=low
+
+ * debian/apparmor-profile-load: check for correct AppArmor profile loading
+   interface file (LP: #710649).
+
+ -- Kees Cook <kees@ubuntu.com> Thu, 03 Feb 2011 13:45:32 -0800
+
+upstart (0.6.7-5) natty; urgency=low
+
+ * debian/upstart-job: properly handle jobs that are in state 'start/running'
+   with no PID, by checking only if the goal is 'start'. LP: #603934,
+   #707971.
+
+ -- Steve Langasek <steve.langasek@ubuntu.com> Wed, 26 Jan 2011 14:05:43 -0800
+
+upstart (0.6.7-4) natty; urgency=low
+
+ * debian/apparmor-profile-load: allow profiles to be missing for saner
+   packaging integration.
+
+ -- Kees Cook <kees@ubuntu.com> Fri, 14 Jan 2011 13:46:12 -0800
+
+upstart (0.6.7-3) natty; urgency=low
+
+ * debian/rules: make sure apparmor-profile-load is executable.
+
+ -- Kees Cook <kees@ubuntu.com> Wed, 22 Dec 2010 10:55:09 -0800
+
+upstart (0.6.7-2) natty; urgency=low
+
+ * debian/apparmor-profile-load: common AppArmor profile loading helper
+   which can be used by any upstart services, regardless of the state
+   of AppArmor (LP: #692801).
+
+ -- Kees Cook <kees@ubuntu.com> Mon, 20 Dec 2010 16:03:33 -0800
+

+upstart (0.6.7-1) natty; urgency=low
+
+ * New upstream release:
+   - Added manual stanza.
+   - Added debug stanza.
+   - Added start_on, stop_on and emits properties.
+   - Added GoalChanged, StateChanged and Failed signals.
+   - Documentation updates.
+
+ * Added myself as a maintainer.
+
+ -- James Hunt <james.hunt@ubuntu.com> Tue, 14 Dec 2010 17:15:57 +0000
+
+upstart (0.6.6-3) maverick; urgency=low
+
+ * Ubuntu seems to have stopped installing Recommends of Build-Depends,
+   add a Build-Depend on dbus. LP: #602130.
+
+ -- Scott James Remnant <scott@ubuntu.com> Thu, 12 Aug 2010 16:38:05 -0400
+
+upstart (0.6.6-2) maverick; urgency=low
+
+ * Apply patch from trunk to use /dev/null when /dev/console is unavailable
+   due to kernel bugs. This isn't a fix for those bugs, but it does work
+   around it for now. LP: #554172.
+
+ -- Scott James Remnant <scott@ubuntu.com> Thu, 12 Aug 2010 09:52:07 -0400
+
+upstart (0.6.6-1ubuntu1) maverick; urgency=low
+
+ * Try buying with -fPIE/-pie on armel again; we have a shiny new armel
+   toolchain and this part of the rules was broken in 0.6.6-1 anyway.
+
+ -- Loïc Minier <loic.minier@ubuntu.com> Fri, 23 Jul 2010 14:54:11 +0200
+
+upstart (0.6.6-1) maverick; urgency=low
+
+ * New upstream release:
+   - All changes were previously merged into this package.
+
+ * debian/upstart-job:
+   - Fix output for the force-reload command to only refer to reload(8).
+   LP: #532862.
+
+ * Add debian/source/format with "1.0" to be future compatible.
+ * Add missing ${misc:Depends}.
+ * Bump standards version.
+ * Convert rules to dh7 format.

+
+ -- Scott James Remnant <scott@ubuntu.com> Tue, 27 Apr 2010 13:41:18 -0700
+
+upstart (0.6.5-6) lucid; urgency=low
+
+ * Merge fixes from trunk:
+   - double-quoting of NIH_CFLAGS and NIH_DBUS_CFLAGS on --with-local-libnih
+   - document "env KEY" behaviour
+ * conf/rc.conf, conf/rc-sysinit.conf:
+   - enable console output. LP: #548954.
+   - pass value of INIT_VERBOSE from kernel command-line.
+
+ -- Scott James Remnant <scott@ubuntu.com> Thu, 01 Apr 2010 19:25:36 +0100
+
+upstart (0.6.5-5) lucid; urgency=low
+
+ * init/main.c:
+   - Don't change the settings of the foreground console, this is often
+   owned by plymouth and not supposed to be in Canonical Mode; all other
+   paths have stty sane settings anyway (which these are not), so there
+   really isn't need for init to do this. LP: #540256.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 17 Mar 2010 22:34:55 +0000
+
+upstart (0.6.5-4) lucid; urgency=low
+
+ * debian/control:
+   - change Pre-Depends back to Depends, this was a holdover from when we
+   attempted to make Upstart Essential to solve early sysvinitupstart
+   upgrade issues, we backed out the Essential bit but never the use of
+   Pre-Depends. LP: #527722.
+   - add versioned-dependencies on ifupdown for loopback fix that can
+   prevent initscripts from being run. LP: #527830.
+
+ * Merge patches from trunk to use /proc/self/fd instead of /dev/fd, and
+   to always mount /proc and /sys on boot.
+
+ -- Scott James Remnant <scott@ubuntu.com> Fri, 26 Feb 2010 15:40:58 +0000
+
+upstart (0.6.5-3) lucid; urgency=low
+
+ * udev/upstart-udev-bridge.c: use right variable name, fixing a build
+   failure. (LP: #524484)
+
+ -- Scott Moser <smoser@ubuntu.com> Fri, 19 Feb 2010 10:21:33 -0500
+
+upstart (0.6.5-2) lucid; urgency=low
+

+ * udev/upstart-udev-bridge.c:
+   - Increase receiving buffer size for uevents so we don't miss any.
+   LP: #504883.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 17 Feb 2010 15:50:40 +0000
+
+upstart (0.6.5-1) lucid; urgency=low
+
+ * New upstream release:
+   - libnih has been separated out into its own project.
+   - "start on" and "stop on" now support != matches. LP: #513035.
+   - Fixed crash in child when unable to spawn job. LP: #451917.
+   - No longer holds /dev/console open so SAK won't kill init. LP: #486005.
+   - Added missing OPTIONS section to init(8). LP: #449883.
+
+ [Scott James Remnant]
+ * Build-depend on libnih-dev, libnih-dbus-dev and nih-dbus-tool to use
+   the separated out libnih.
+   - This has the fix for LP: #436758.
+   - Remove changelog.nih from the doc directory.
+ * Bump udev build-dependency to 147 to match upstream.
+ * udev/Makefile.am: Update to use external libnih
+
+ [Johan Kiviniemi]
+ * udev/upstart-udev-bridge.c: Change -device-remove to -device-removed to
+   match -device-added and -device-changed. LP: #516698.
+
+ -- Scott James Remnant <scott@ubuntu.com> Thu, 04 Feb 2010 16:30:10 -0800
+
+upstart (0.6.3-11build1) lucid; urgency=low
+
+ * Rebuild to pick up relaxed dependency on libc6, after checking that
+   __abort_msg is available with the same signature in eglibc 2.11.
+   LP: #508702.
+
+ -- Matthias Klose <doko@ubuntu.com> Mon, 18 Jan 2010 16:10:11 +0100
+
+upstart (0.6.3-11) karmic-proposed; urgency=low
+
+ * Make rc-sysinit.conf wait on the loopback interface, to ensure that the
+   interface is up before we process the scripts in /etc/rc?.d. LP: #461725.
+
+ -- Steve Langasek <steve.langasek@ubuntu.com> Tue, 08 Dec 2009 12:58:37 -0800
+
+upstart (0.6.3-10) karmic; urgency=low
+
+ * Retain the "telinit u" for the case when we're upgrading from pre-0.6
+   (ie. hardy or jaunty). Whups. LP: #451556.

+
+ -- Scott James Remnant <scott@ubuntu.com> Thu, 15 Oct 2009 17:48:47 +0100
+
+upstart (0.6.3-9) karmic; urgency=low
+
+ * Restore the call to sync() in reboot, have been observing some issues
+   and it looks like ext4 might not be explicitly flushing the disk when
+   remounting read-only.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 14 Oct 2009 16:40:32 +0100
+
+upstart (0.6.3-8) karmic; urgency=low
+
+ * Rather than calling "telinit u" after upgrade, which will lose state,
+   have the umountroot initscript take care of it for us by setting a
+   flag. LP: #441796.
+ * Don't lose the original default runlevel if /etc/inittab exists without
+   an initdefault line. LP: #405847.
+ * Fix "unhandled error" in shutdown when unable to change runlevel,
+   e.g. due to previous Ubiquity bug. LP: #426332.
+ * Merge change from trunk that makes it possible to build Upstart using
+   a previously built copy of nih-dbus-tool, especially useful when
+   cross-compiling. LP: #426740.
+ * Merge change from libnih to store our assertion messages in the
+   glibc __abort_msg symbol so apport can pick them up. LP: #429411.
+ * Merge change from libnih to fix compilation issue with eglibc due
+   to changed alphasort() prototype.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 14 Oct 2009 05:34:13 +0100
+
+upstart (0.6.3-7) karmic; urgency=low
+
+ * Ignore initramfs pids that don't exist. LP: #440071.
+   - you still need to ensure that the pid's parent is init, there's no
+   cheap way to test for that.
+ * Remove "console owner" and "console output" from rc scripts.
+ * Try harder to remove dbus-reconnect.conf
+
+ -- Scott James Remnant <scott@ubuntu.com> Fri, 02 Oct 2009 21:09:03 +0100
+
+upstart (0.6.3-6) karmic; urgency=low
+
+ * Don't use "telinit q" to reconnect to D-Bus, since that breaks
+   lots of things. Invent another secret way instead.
+
+ [Steve Langasek]
+ * upstart-job's restart target must also not fail when the service is not
+   yet started. LP: #430883.

+
+ -- Scott James Remnant <scott@ubuntu.com> Thu, 01 Oct 2009 15:26:19 +0100
+
+upstart (0.6.3-5) karmic; urgency=low
+
+ * Update autoconf and automake files. LP: #435252.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 23 Sep 2009 14:16:34 -0700
+
+upstart (0.6.3-4) karmic; urgency=low
+
+ [Scott James Remnant]
+ * Reduce the priority of the stopped by/continued by messages so that
+   they are only shown when --verbose on the kernel command-line.
+   LP: #401333.
+ * Add a hack to look for /dev/.initramfs/*.pid files on startup and
+   "fake" start jobs of those names. Basically this means that "status"
+   and "stop" work for things like bootchart and usplash.
+ * Implement a "reload" command in initctl that retrieves the current pid
+   of the job and sends it the HUP signal. LP: #433544.
+
+ [Steve Langasek]
+ * debian/upstart-job:
+   - give proper policy-compliant behavior of the start command: detect if
+   the job is already running using upstart status, and if so return success.
+   - same for the stop command: return success if the job is already stopped.
+   - when $DPKG_MAINTSCRIPT_PACKAGE is set, don't spit warnings out because
+   it's not the user's fault - we're being invoked by a maintainer script.
+
+ -- Scott James Remnant <scott@ubuntu.com> Tue, 22 Sep 2009 13:56:48 -0700
+
+upstart (0.6.3-3) karmic; urgency=low
+
+ * debian/upstart-job:
+   - force-reload should only send a HUP signal, since it may not be wise
+   to actually restart (cf. dbus)
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 16 Sep 2009 00:10:13 +0100
+
+upstart (0.6.3-2) karmic; urgency=low
+
+ FFE LP: #427356.
+
+ * debian/upstart-job:
+   - Remove trailing "s" from file
+   - Support direct invocation better.
+ * udev/upstart-udev-bridge.c:
+   - New tool to capture events from the udev netlink socket and

+   convert into upstart events.
+ * conf/rc-sysinit.conf:
+   - Run once all filesystems are mounted, rather than on startup
+ * debian/control:
+   - Add dependency on mountall for the filesystem event.
+
+ -- Scott James Remnant <scott@ubuntu.com> Tue, 15 Sep 2009 03:19:09 +0100
+
+upstart (0.6.3-1) karmic; urgency=low
+
+ * New upstream release:
+   - Fixed assertion when a job exits while stopping. LP: #406408.
+   - Fixed compilation on ia64.
+   - nih-dbus-tool(1) manpage no longer installed.
+
+ -- Scott James Remnant <scott@ubuntu.com> Mon, 03 Aug 2009 23:58:47 +0100
+
+upstart (0.6.2-2) unstable; urgency=low
+
+ * debian/patches/10-ptrace_include_cleanup.patch
+   - Cleanup header includes. Only include ptrace.h in files that actually
+   need it. This also fixes a build failure on ia64.
+ * debian/rules
+   - Run dh_install with --list-missing.
+
+ -- Michael Biebl <biebl@debian.org> Tue, 28 Jul 2009 15:50:20 +0200
+
+upstart (0.6.2-1) karmic; urgency=low
+
+ * New upstream release:
+   - Fixed assertion when stopping a job during its starting event.
+   - Fixed fork following to not stop on exec() before fork()
+   - Fixed missing chdir() in crash handler.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 22 Jul 2009 10:39:50 +0100
+
+upstart (0.6.1-1) karmic; urgency=low
+
+ * New upstream release:
+   - Fixed race condition in ptrace() code. LP: #264711.
+   - Fixed runlevel to output "unknown" not "N N". LP: #400248.
+   - Fixed runlevel to prefix error messages with filename. LP: #400241.
+
+ * Provide/Conflict/Replace the agreed "upstart-job" meta-package.
+   LP: #399799.
+ * Bump dpkg dependency to 1.2.16
+
+ -- Scott James Remnant <scott@ubuntu.com> Thu, 16 Jul 2009 18:26:23 +0100

+
+upstart (0.6.0-5) karmic; urgency=low
+
+ * Cherry-pick patch from -r1188 to fix "expect fork" and "expect daemon"
+   LP: #264711.
+
+ -- Scott James Remnant <scott@ubuntu.com> Tue, 14 Jul 2009 15:19:17 +0100
+
+upstart (0.6.0-4) karmic; urgency=low
+
+ * Don't build the testsuite with -fPIE on armel; LP: #398403.
+
+ -- Loïc Minier <lool@dooz.org> Mon, 13 Jul 2009 22:12:34 +0200
+
+upstart (0.6.0-3) karmic; urgency=low
+
+ * Add Conflicts on older Upstart packages to make update-manager's
+   job easier.
+
+ -- Scott James Remnant <scott@ubuntu.com> Fri, 10 Jul 2009 10:11:21 +0100
+
+upstart (0.6.0-2) karmic; urgency=low
+
+ * Bump D-Bus build dependency to ensure we get the container abandonment
+   patches, and the GIT version bump.
+ * Actually ship /lib/init/upstart-job
+
+ -- Scott James Remnant <scott@ubuntu.com> Thu, 09 Jul 2009 17:29:59 +0100
+
+upstart (0.6.0-1) karmic; urgency=low
+
+ * New upstream release ("How appropriate, you fight like a cow")
+   - my customary changes list since pointless, it's basically a
+   complete rewrite.
+   - Handles /bin/sh symlink disappearing. LP: #65024.
+   - Boot parameters may be passed to init scripts. LP: #74664.
+   - reboot implies --force during shutdown. LP: #388738.
+   - reboot no longer iterates /proc/ide. LP: #92685.
+   - much improved documentation. LP: #60429, #72058, #388715.
+
+ * Merge the various upstart packages into a single package, it makes
+   little sense to have it all spread out.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 08 Jul 2009 23:12:03 +0100
+
+upstart (0.3.10-2) karmic; urgency=low
+
+ * debian/upstart.postinst: Use telinit u to re-exec, rather than

+   kill just in case it's not Upstart that's running. LP: #92177.
+ * debian/event.d/system-services/tty*: Run getty in 8-bit clean
+   mode. LP: #273189.
+ * debian/event.d/upstart-compat-sysv/rc-default:
+   - Don't use grep -w, instead split on $IFS and iterate. LP: #385911.
+   - Check for any valid runlevel, not just S. LP: #85014.
+   - Make console owner, since it may spawn sulogin.
+ * debian/event.d/upstart-compat-sysv/rcS:
+   - Spawn sulogin if given -b or "emergency". LP: #193810.
+ * debian/event.d/upstart-compat-sysv/rcS:
+   - Make console owner. LP: #211402.
+ * debian/event.d/upstart-compat-sysv/rcS-sulogin:
+   - Place the telinit code in post-stop, checking $UPSTART_EVENT first so
+   we don't change the runlevel if we were stopped due to a runlevel
+   change. LP: #66002.
+
+ -- Scott James Remnant <scott@ubuntu.com> Thu, 18 Jun 2009 16:19:34 +0100
+
+upstart (0.3.10-1) karmic; urgency=low
+
+ * Compilation fixes.
+ * Fixed assertion caused by the post-start or pre-stop scripts
+   exiting after the main process of a respawning job had exited.
+   LP: #381048.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 17 Jun 2009 13:33:40 +0100
+
+upstart (0.3.9-8) intrepid; urgency=low
+
+ * Do not attempt to continue communicating with the restarted upstart
+   (LP: #273761).
+
+ -- Kees Cook <kees@ubuntu.com> Mon, 29 Sep 2008 13:35:21 -0700
+
+upstart (0.3.9-7) intrepid; urgency=low
+
+ * Implement "telinit u" by just sending Upstart SIGTERM with a slightly
+   different patch than Fedora. LP: #188925.
+
+ -- Scott James Remnant <scott@ubuntu.com> Tue, 23 Sep 2008 09:01:09 -0700
+
+upstart (0.3.9-6) intrepid; urgency=low
+
+ * Really fix LP: #237276 properly this time, lost the change while mucking
+   around with bzr.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 04 Jun 2008 22:29:48 +0100
+

+upstart (0.3.9-5) intrepid; urgency=low
+
+ * Correct build problem on amd64 and ia64 by only building libnih and
+   libupstart statically. The shared objects were unwanted, and conflict
+   with -fPIE.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 04 Jun 2008 17:07:12 +0100
+
+upstart (0.3.9-4) intrepid; urgency=low
+
+ * Add missing limits.h, required to build with current libc.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 04 Jun 2008 13:09:32 +0100
+
+upstart (0.3.9-3) intrepid; urgency=low
+
+ * Change dependency from sysvutils to sysvinit-utils. LP: #237276.
+ * Compile with stack -fstack-protector, -fPIE, -z relro, -z now and -pie
+   (MMmm, pie)
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 04 Jun 2008 12:59:11 +0100
+
+upstart (0.3.9-2) hardy; urgency=low
+
+ * Start the getty on tty1 after the rc script has stopped rather then
+   at the same time it starts to avoid overwriting by console messages.
+   tty2..6 will still be active if you want an early login. LP: #65230.
+ * If the recovery menu is available start that instead of sulogin when
+   entering single-user-mode.
+
+ -- Scott James Remnant <scott@ubuntu.com> Fri, 11 Apr 2008 13:38:50 +0100
+
+upstart (0.3.9-1) hardy; urgency=low
+
+ * New upstream release:
+   - many bug fixes.
+
+ * Update reference to "edgy" in README.Debian to "hardy". LP: #140037.
+
+ -- Scott James Remnant <scott@ubuntu.com> Sun, 28 Oct 2007 10:51:59 -0400
+
+upstart (0.3.8-2) gutsy; urgency=low
+
+ * Fix broken migration of old-style 'respawn process' stanzas which
+   produced corrupted 'exec' stanzas. Try to fix up files previously
+   corrupted by this. LP: #95210
+
+ -- Scott James Remnant <scott@ubuntu.com> Sun, 28 Oct 2007 10:50:36 -0400

+
+upstart (0.3.8-1) feisty; urgency=low
+
+ * New upstream release:
+   - much improved initctl tool.
+
+ * Update my standard prep_/undo_/rm_conffile functions to take into account
+   current dpkg behaviour wrt obsolete conffiles. The conffile is now moved
+   out of the way in preinst and the moved file deleted in postinst, or moved
+   back in postrm abort-upgrade. This means it's not there when dpkg
+   configures the new version, so the conffile is not left in the list.
+ * Purge backups of modified obsolete conffiles when the package is purged.
+
+ * Update runlevel and respawn rule generated in migrate-inittab.pl
+   LP: #89314
+
+ * Drop 00-libnih-update.patch and 01-libnih-sparc-ftbfs.patch; new upstream
+   release includes an up-to-date libnih which contains both patches.
+ * Drop 10-cant-stop-execless-job.patch; included upstream.
+ * Drop 20-complex-event-config.patch; this is going to be significantly
+   changed upstream, and we don't want to ship something strange.
+ * Drop 30-fix-warnings.patch; included upstream.
+
+ -- Scott James Remnant <scott@ubuntu.com> Sun, 11 Mar 2007 19:19:00 +0000
+
+upstart (0.3.5-2) feisty; urgency=low
+
+ * Changed "start script" to "pre-start script" in sulogin event, the former
+   is no longer recognised.
+
+ * Applied 01-libnih-sparc-ftbfs.patch; this updates the signal name list
+   to exclude signals not available on that architecture, and add one that's
+   unique to it.
+ * Applied 30-fix-warnings.patch; this corrects a few warnings that spoiled
+   an otherwise clean build log.
+
+ -- Scott James Remnant <scott@ubuntu.com> Tue, 13 Feb 2007 15:56:33 +0000
+
+upstart (0.3.5-1) feisty; urgency=low
+
+ * New upstream release:
+   - inotify file descriptor leak fixed. LP: #83099.
+   - inotify support is no longer required. LP: #68904.
+   - new job state machine
+   - new event structure, can now include arguments and environment
+
+ * Applied 00-libnih-update.patch; this updates the libnih library to the
+   latest bzr trunk version, required for the complex-event-config patch.

+ * Applied 10-cant-stop-execless-job.patch from upstream; this corrects a
+   bug where jobs without an "exec" or "script" stanza cannot be stopped.
+ * Applied 20-complex-event-config.patch from upstream; this is an
+   experimental implementation of the "on" keyword that allows definition
+   of complex system states.
+
+ * System V compatibility jobs updated to match new event names.
+ * rcS job now sets PREVLEVEL and RUNLEVEL. LP: #76304.
+
+ * NOTE: After this upgrade, init will appear to have "forgotten" the
+   process ids of your gettys, etc. This is not a critical problem and
+   will be fixed before release. Shutdown will still work as normal.
+
+ -- Scott James Remnant <scott@ubuntu.com> Mon, 12 Feb 2007 13:51:40 +0000
+
+upstart (0.3.2-1) experimental; urgency=low
+
+ * New upstream release.
+ * debian/upstart.docs
+   - Install the NEWS, AUTHORS, TODO, HACKING and ChangeLog.nih file.
+
+ -- Michael Biebl <biebl@debian.org> Sat, 10 Feb 2007 18:25:10 +0100
+
+upstart (0.3.1-1) feisty; urgency=low
+
+ * New upstream release:
+   - start, stop and status are now symlinks to initctl, not to a
+   different, separate utility.
+   - initctl completely rewritten to behave properly.
+   - some upstart-specific options to shutdown and reboot dropped, as
+   these are considered SysV-compat tools.
+   - "console none" fixed. LP: #70782.
+   - improved documentation. LP: #68805.
+
+ * shutdown and reboot moved to upstart-compat-sysv.
+
+ * Replace the /usr/share/doc/* directory in upstart-logd,
+   upstart-compat-sysv, system-services and startup-tasks with a symlink to
+   /usr/share/doc/upstart. This was actually done in a previous package,
+   but the migration missed. LP: #70895.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 13 Dec 2006 17:27:37 +0000
+
+upstart (0.2.7-7) edgy; urgency=low
+
+ * Don't abort the postinst if we can't send init SIGTERM. Ubuntu: #64499.
+
+ -- Scott James Remnant <scott@ubuntu.com> Tue, 10 Oct 2006 10:13:05 +0100

+
+upstart (0.2.7-6) edgy; urgency=low
+
+ * Don't start gettys on tty2 thru tty6 in runlevels 4 and 5 (matches
+   our sysvinit configuration).
+ * Migrate common changes made to /etc/inittab to /etc/event.d by
+   adjusting the installed conffiles. Ubuntu: #61539.
+
+ * Include missing AUTHORS and NEWS file in the upstart package.
+ * Include README.Debian which answers common questions. Ubuntu: #60429.
+
+ -- Scott James Remnant <scott@ubuntu.com> Thu, 5 Oct 2006 16:08:34 +0100
+
+upstart (0.2.7-5) edgy; urgency=low
+
+ * Don't set the current runlevel in /var/run/utmp to 0 or 6 if it is
+   already either of those two values. That way we don't end up with
+   either 0 or 6 in the PREVLEVEL variable, which can cause
+   /etc/init.d/rc to be "efficient" and not bother doing
+   anything. Ubuntu: #63852.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 4 Oct 2006 14:06:18 +0100
+
+upstart (0.2.7-4) edgy; urgency=low
+
+ * Can't just start rc-default once in single-user mode, because if we
+   boot into that, that will just return us back to sulogin again. Copy
+   the script out of rc-default into rcS-sulogin to call telinit with the
+   right default runlevel. Ubuntu: #62189.
+
+ * Add Build-Depend on dpkg-dev (>= 1.13.19) due to our use of
+ ${binary:Version}. Ubuntu: #61693.
+
+ -- Scott James Remnant <scott@ubuntu.com> Tue, 26 Sep 2006 17:20:42 +0100
+
+upstart (0.2.7-3) edgy; urgency=low
+
+ * Set the runlevel to "S" when we enter sulogin so that it appears
+   in utmp.
+
+ -- Scott James Remnant <scott@ubuntu.com> Thu, 21 Sep 2006 05:37:25 +0100
+
+upstart (0.2.7-2) edgy; urgency=low
+
+ * Ensure that the same version of upstart is installed as the version of
+   upstart-compat-sysv and upstart-logd; as the IPC protocol may change
+   between releases.
+

+ * Adjust the rcS-sulogin job so that if sulogin exits the default runlevel
+   is entered; but if the job is stopped (e.g. by shutdown) it isn't. The
+   solves the regression introduced in the previous release.
+
+ * Revert upstream logd/"quiet" change in favour of doing it in our
+   lsb logging functions instead; seems to work better (fsvo better).
+
+ -- Scott James Remnant <scott@ubuntu.com> Thu, 21 Sep 2006 03:12:33 +0100
+
+upstart (0.2.7-1) edgy; urgency=low
+
+ * New upstream release:
+   - logd now writes to the console unless "quiet" is specified
+   - runaway jobs caught when they start rather than respawn. Ubuntu: #59807
+
+ * Fix failure to shutdown while in single-user mode, however this means
+   that for edgy you can't exit the sulogin shell to enter the default
+   runlevel; explicitly say what works. Ubuntu: #60626.
+ * Drop unnecessary dependency on util-linux.
+ * Drop sulogin hack, instead depend on the version of sysvutils that
+   includes the real one. Ubuntu: #60965.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 20 Sep 2006 05:39:16 +0100
+
+upstart (0.2.6-1) edgy; urgency=low
+
+ * New upstream release:
+   - fix infinite loop caused by bad waitid() call. Ubuntu: #59459.
+   - halt now behaves as "shutdown -h now". Ubuntu: #59720.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 13 Sep 2006 22:16:17 +0100
+
+upstart (0.2.5-1debian1) unstable; urgency=low
+
+ * upstart-compat-sysv: Depend on sysvinit-utils instead of sysvutils.
+ * Set myself as maintainer with approval from martin f. krafft.
+ * Changed section from base to admin.
+ * Added a patch to make it compile against glibc 2.3.
+
+ -- Michael Biebl <biebl@teco.edu> Tue, 12 Sep 2006 16:29:12 +0200
+
+upstart (0.2.5-1) edgy; urgency=low
+
+ * New upstream release:
+   - no longer spins when no stalled event handler. Ubuntu: #59170.
+   - shutdown works when under sysvinit. Ubuntu: #58523;
+   - shutdown -k implemented. Ubuntu: #58723.
+   - telinit sends shutdown event for 0, 1 and 6. Ubuntu: #58913.

+   - basic manual pages included. Ubuntu: #58724.
+
+ * upstart-compat-sysv Replaces: sysvinit. Ubuntu: #59427.
+ * upstart Recommends: upstart-compat-sysv, startup-tasks & system-services.
+
+ * New upstart-logd package includes the logd daemon that can will log
+   output of jobs with "console logged" (the default) in their description
+   to /var/log/boot.
+
+ * Add /etc/event.d/rc0 that is run on the "halt" event (neither -H or -P
+   given), and modify rc0-halt to run on "system-halt" (-H given) and
+   rc0-poweroff to run on "power-off" (-P given). Ubuntu: #59134.
+ * Fix the control-alt-delete job to run on the "ctrlaltdel" event so
+   that it's triggered properly. Ubuntu: #59398.
+ * Fix single-user mode.
+
+ -- Scott James Remnant <scott@ubuntu.com> Sat, 9 Sep 2006 05:10:12 +0100
+
+upstart (0.2.1-7) edgy; urgency=low
+
+ * Remove the Essential tags again, they didn't solve the problem we
+   hoped they would (dpkg/apt still won't remove sysvinit without
+   serious persuasion) and I don't think these packages should be.
+
+ -- Scott James Remnant <scott@ubuntu.com> Thu, 7 Sep 2006 02:42:33 +0100
+
+upstart (0.2.1-6) edgy; urgency=low
+
+ * Make packages Essential, and change Depends to Pre-Depends so that the
+   packages work when unconfigured (nothing interesting is performed in
+   postinst). Ubuntu: #59005.
+ * Sync priority in debian/control with that in the archive (required)
+ * Drop warning of dire consequences if you install upstart, seeing as it's
+   installed by default.
+
+ * Add new startup-tasks and system-services packages which will contain
+   the /etc/event.d files themselves (other than the main ones).
+ * Move tty definitions into system-services.
+ * Modify tty definitions to start when the rcS task has finished. This
+   puts them in the "right" place when compared to gdm. Ubuntu: #58630.
+
+ * Correct rcS compatibility script to ignore any information in utmp so
+   that all scripts are always run. Ubuntu: #59203.
+ * Make rcS the console owner while it runs, temporary fix for
+   Ubuntu: #58609, #58794, #58796
+ * Include default control-alt-delete handler that reboots the machine.
+
+ -- Scott James Remnant <scott@ubuntu.com> Wed, 6 Sep 2006 21:52:48 +0100

```
+
+upstart (0.2.1-5) edgy; urgency=low
+
+  * upstart-compat-sysv Depends: initscripts (closes: Malone #58979).
+
+ -- Colin Watson <cjwatson@ubuntu.com>  Tue,  5 Sep 2006 12:22:50 +0100
+
+upstart (0.2.1-4) edgy; urgency=low
+
+  * Add missing #! line to top of postrm
+
+ -- Scott James Remnant <scott@ubuntu.com>  Mon,  4 Sep 2006 08:11:16 +0100
+
+upstart (0.2.1-3) edgy; urgency=low
+
+  * Remove the rc0 configuration file shipped in 0.1.0 that causes all
+    reboots to become shutdowns.  Ubuntu: #58557.
+
+ -- Scott James Remnant <scott@ubuntu.com>  Sun,  3 Sep 2006 23:24:41 +0100
+
+upstart (0.2.1-2) edgy; urgency=low
+
+  * Don't send the SIGTERM signal unless we're upgrading from a version
+    of upstart that supports re-exec; older versions would cause a kernel
+    PANIC and change from sysvinit does nothing.
+
+ -- Scott James Remnant <scott@ubuntu.com>  Sat,  2 Sep 2006 17:18:38 +0100
+
+upstart (0.2.1-1) edgy; urgency=low
+
+  * New upstream release:
+    - compilation fixes.
+
+ -- Scott James Remnant <scott@ubuntu.com>  Fri,  1 Sep 2006 19:51:41 +0100
+
+upstart (0.2.0-1) edgy; urgency=low
+
+  * New upstream release:
+    - upstart includes shutdown, reboot, halt, poweroff, start, stop, status,
+      runlevel and telinit utilities.
+    - "initctl list" will list active jobs.
+    - Events vastly simplified to just simple strings.
+
+  * Compatibility tasks for old rc scripts, along with runlevel and telinit
+    utilities now shipped in upstart-compat-sysv package.
+
+ -- Scott James Remnant <scott@ubuntu.com>  Fri,  1 Sep 2006 02:38:44 +0100
+
```

```
+upstart (0.1.1-1) edgy; urgency=low
+
+  * New upstream release:
+    - set PATH and TERM in processes
+
+ -- Scott James Remnant <scott@ubuntu.com>  Fri, 25 Aug 2006 16:17:52 +0200
+
+upstart (0.1.0-2) edgy; urgency=low
+
+  * Oops, rename /sbin/init to /sbin/upstart as documented.  Lost this
+    while battling bzr.
+
+ -- Scott James Remnant <scott@ubuntu.com>  Thu, 24 Aug 2006 16:30:54 +0200
+
+upstart (0.1.0-1) edgy; urgency=low
+
+  * Initial release.
+
+ -- Scott James Remnant <scott@ubuntu.com>  Thu, 24 Aug 2006 14:27:47 +0200
--- upstart-1.13.2.orig/debian/compat
+++ upstart-1.13.2/debian/compat
@@ -0,0 +1 @@
+9
--- upstart-1.13.2.orig/debian/conf/console.conf
+++ upstart-1.13.2/debian/conf/console.conf
@@ -0,0 +1,11 @@
+# console - getty
+#
+# This service maintains a getty on console from the point the system is
+# started until it is shut down again.
+
+start on stopped rc RUNLEVEL=[2345] and container CONTAINER=lxc
+
+stop on runlevel [!2345]
+
+respawn
+exec /sbin/getty -8 38400 console
--- upstart-1.13.2.orig/debian/conf/container-detect.conf
+++ upstart-1.13.2/debian/conf/container-detect.conf
@@ -0,0 +1,42 @@
+description "Track if upstart is running in a container"
+
+start on mounted MOUNTPOINT=/run
+
+env container
+env LIBVIRT_LXC_UUID
+
+emits container
```

```
+emits not-container
+
+pre-start script
+    # The "standard" way of telling if we are in a container
+    # is to check for "container" in init's environment.
+    # The code below is for cases where it's not set.
+
+    # Detect old-style libvirt
+    if [ -z "$container" ]; then
+        [ -n "$LIBVIRT_LXC_UUID" ] && container=lxc-libvirt
+    fi
+
+    # Detect OpenVZ containers
+    if [ -z "$container" ]; then
+        [ -d /proc/vz ] && [ ! -d /proc/bc ] && container=openvz
+    fi
+
+    # Detect Vserver containers
+    if [ -z "$container" ]; then
+        VXID="$(cat /proc/self/status | grep ^VxID | cut -f2)" || true
+        [ "${VXID:-0}" -gt 1 ] && container=vserver
+    fi
+
+    if [ -n "$container" ]; then
+        echo "$container" > /run/container_type || true
+        initctl emit --no-wait container CONTAINER=$container
+        exit 0
+    fi
+
+    # If not a container, stop there
+    rm -f /run/container_type
+    initctl emit --no-wait not-container
+    stop
+end script
--- upstart-1.13.2.orig/debian/conf/failsafe.conf
+++ upstart-1.13.2/debian/conf/failsafe.conf
@@ -0,0 +1,44 @@
+# failsafe
+
+description "Failsafe Boot Delay"
+author "Clint Byrum <clint@ubuntu.com>"
+
+start on filesystem and net-device-up IFACE=lo
+stop on static-network-up or starting rc-sysinit
+
+emits failsafe-boot
+
+console output
```

```
+
+script
+ # Determine if plymouth is available
+ if [ -x /bin/plymouth ] && /bin/plymouth --ping ; then
+  PLYMOUTH=/bin/plymouth
+ else
+  PLYMOUTH=":"
+ fi
+
+    # The point here is to wait for 2 minutes before forcibly booting
+    # the system. Anything that is in an "or" condition with 'started
+    # failsafe' in rc-sysinit deserves consideration for mentioning in
+    # these messages. currently only static-network-up counts for that.
+
+ sleep 20
+
+    # Plymouth errors should not stop the script because we *must* reach
+    # the end of this script to avoid letting the system spin forever
+    # waiting on it to start.
+ $PLYMOUTH message --text="Waiting for network configuration..." || :
+ sleep 40
+
+ $PLYMOUTH message --text="Waiting up to 60 more seconds for network configuration..." || :
+ sleep 59
+ $PLYMOUTH message --text="Booting system without full network configuration..." || :
+
+    # give user 1 second to see this message since plymouth will go
+    # away as soon as failsafe starts.
+ sleep 1
+    exec initctl emit --no-wait failsafe-boot
+end script
+
+post-start exec logger -t 'failsafe' -p daemon.warning "Failsafe of 120 seconds reached."
--- upstart-1.13.2.orig/debian/conf/flush-early-job-log.conf
+++ upstart-1.13.2/debian/conf/flush-early-job-log.conf
@@ -0,0 +1,11 @@
+# flush-early-job-log - Ensure cached output from jobs that finish
+# before the disk is writeable are flushed to disk as soon as it does
+# becomes writeable.
+
+description "flush early job output to logs"
+
+task
+
+start on filesystem
+
+exec initctl notify-disk-writeable
--- upstart-1.13.2.orig/debian/conf/rcS.conf
```

```
+++ upstart-1.13.2/debian/conf/rcS.conf
@@ -0,0 +1,28 @@
+# rcS - System V single-user mode compatibility
+#
+# This task handles the old System V-style single-user mode, this is
+# distinct from the other runlevels since running the rc script would
+# be bad.
+
+description "System V single-user mode compatibility"
+author  "Scott James Remnant <scott@netsplit.com>"
+
+start on runlevel S
+stop on runlevel [!S]
+
+console owner
+script
+    exec /sbin/sulogin
+end script
+
+post-stop script
+    # Don't switch runlevels if we were stopped by an event, since that
+    # means we're already switching runlevels
+    if [ -n "${UPSTART_STOP_EVENTS}" ]
+    then
+ exit 0
+    fi
+
+    # Switch, passing a magic flag
+    start --no-wait rc-sysinit FROM_SINGLE_USER_MODE=y
+end script
--- upstart-1.13.2.orig/debian/conf/shutdown.conf
+++ upstart-1.13.2/debian/conf/shutdown.conf
@@ -0,0 +1,9 @@
+# Trigger an immediate shutdown when upstart receives SIGPWR
+# this is useful for some UPS monitoring tools and for clean
+# shutdown of containers
+
+description "Trigger an immediate shutdown on SIGPWR"
+start on power-status-changed
+
+task
+exec shutdown -h now "SIGPWR received"
--- upstart-1.13.2.orig/debian/conf/tty1.conf
+++ upstart-1.13.2/debian/conf/tty1.conf
@@ -0,0 +1,14 @@
+# tty1 - getty
+#
+# This service maintains a getty on tty1 from the point the system is
```

```
+# started until it is shut down again.
+
+start on stopped rc RUNLEVEL=[2345] and (
+	not-container or
+	container CONTAINER=lxc or
+	container CONTAINER=lxc-libvirt)
+
+stop on runlevel [!2345]
+
+respawn
+exec /sbin/getty -8 38400 tty1
--- upstart-1.13.2.orig/debian/conf/tty2.conf
+++ upstart-1.13.2/debian/conf/tty2.conf
@@ -0,0 +1,14 @@
+# tty2 - getty
+#
+# This service maintains a getty on tty2 from the point the system is
+# started until it is shut down again.
+
+start on runlevel [23] and (
+	not-container or
+	container CONTAINER=lxc or
+	container CONTAINER=lxc-libvirt)
+
+stop on runlevel [!23]
+
+respawn
+exec /sbin/getty -8 38400 tty2
--- upstart-1.13.2.orig/debian/conf/tty3.conf
+++ upstart-1.13.2/debian/conf/tty3.conf
@@ -0,0 +1,14 @@
+# tty3 - getty
+#
+# This service maintains a getty on tty3 from the point the system is
+# started until it is shut down again.
+
+start on runlevel [23] and (
+	not-container or
+	container CONTAINER=lxc or
+	container CONTAINER=lxc-libvirt)
+
+stop on runlevel [!23]
+
+respawn
+exec /sbin/getty -8 38400 tty3
--- upstart-1.13.2.orig/debian/conf/tty4.conf
+++ upstart-1.13.2/debian/conf/tty4.conf
@@ -0,0 +1,14 @@
```

```
+# tty4 - getty
+#
+# This service maintains a getty on tty4 from the point the system is
+# started until it is shut down again.
+
+start on runlevel [23] and (
+	not-container or
+	container CONTAINER=lxc or
+	container CONTAINER=lxc-libvirt)
+
+stop on runlevel [!23]
+
+respawn
+exec /sbin/getty -8 38400 tty4
--- upstart-1.13.2.orig/debian/conf/tty5.conf
+++ upstart-1.13.2/debian/conf/tty5.conf
@@ -0,0 +1,11 @@
+# tty5 - getty
+#
+# This service maintains a getty on tty5 from the point the system is
+# started until it is shut down again.
+
+start on runlevel [23] and not-container
+
+stop on runlevel [!23]
+
+respawn
+exec /sbin/getty -8 38400 tty5
--- upstart-1.13.2.orig/debian/conf/tty6.conf
+++ upstart-1.13.2/debian/conf/tty6.conf
@@ -0,0 +1,11 @@
+# tty6 - getty
+#
+# This service maintains a getty on tty6 from the point the system is
+# started until it is shut down again.
+
+start on runlevel [23] and not-container
+
+stop on runlevel [!23]
+
+respawn
+exec /sbin/getty -8 38400 tty6
--- upstart-1.13.2.orig/debian/conf/wait-for-state.conf
+++ upstart-1.13.2/debian/conf/wait-for-state.conf
@@ -0,0 +1,60 @@
+author "Clint Byrum <clint.byrum@canonical.com>"
+description "Waiting for state"
+
```

```
+task
+normal exit 2
+
+stop on started $WAIT_FOR or stopped $WAIT_FOR
+
+# These are all arguments for use influencing how this job waits
+env TIMEOUT=30
+env MANUAL_OVERRIDE="N"
+env WAIT_FOREVER="N"
+env WAIT_STATE="started"
+env TARGET_GOAL="start"
+
+# Required args w/ no sensible default, the tests at the beginning of
+# the script are just to guard against WAITER="" or WAIT_FOR="", as the
+# instance line will fail if they are not set, since they have no env
+instance $WAITER$WAIT_FOR
+
+script
+    test -n "$WAIT_FOR" || exit 1
+    test -n "$WAITER" || exit 1
+
+    # We don't want to override the manual stanza
+    # XXX: initctl show-config should share manual w/ us too
+    case $MANUAL_OVERRIDE in
+    N|n|0)
+        if grep -q "^\s*manual\s*$" /etc/init/$WAIT_FOR.conf /etc/init/$WAIT_FOR.override 2>/dev/null; then
+            exit 0
+        fi
+        ;;
+    esac
+
+    if [ "$WAIT_STATE" = "stopped" ] ; then
+        TARGET_GOAL="stop"
+    fi
+
+    # Already running/stopped?
+    status $WAIT_FOR | grep -q "$TARGET_GOAL/$WAIT_STATE" && exit 0
+
+    # Give it a push
+    $TARGET_GOAL $WAIT_FOR || :
+
+    # upstart will kill this shell on started/stopped $WAIT_FOR
+    while sleep $TIMEOUT ; do
+        case $WAIT_FOREVER in
+        N|n|0)
+            exit 100
+            ;;
+        Y|y|1)
```

```
+           ;;
+       *)
+           exit 1
+           ;;
+       esac
+   done
+   # Very strange, sleep returned non-zero?
+   exit 1
+end script
--- upstart-1.13.2.orig/debian/control
+++ upstart-1.13.2/debian/control
@@ -0,0 +1,103 @@
+Source: upstart
+Section: admin
+Priority: required
+Maintainer: James Hunt <james.hunt@ubuntu.com>
+XSBC-Orig-Maintainer: Steve Langasek <vorlon@debian.org>
+Uploaders: Scott James Remnant <scott@netsplit.com>, James Hunt <james.hunt@ubuntu.com>
+Standards-Version: 3.9.6
+Build-Depends: debhelper (>= 9), pkg-config (>= 0.22), libnih-dev (>= 1.0.3), libnih-dbus-dev (>= 1.0.3), nih-dbus-tool (>= 1.0.3), libdbus-1-dev (>= 1.2.16), libexpat1-dev (>= 2.0.0), libudev-dev (>= 151-5), libjson0-dev (>= 0.10), dbus, bash-completion, dh-autoreconf, autopoint, python3:any, automake (>= 1.12), libdconf-dev, libselinux1-dev [linux-any], libcgmanager-dev [linux-any]
+X-Python3-Version: >= 3.2
+Vcs-Bzr: lp:ubuntu/upstart
+XS-Debian-Vcs-Bzr: nosmart+http://bzr.debian.org/bzr/collab-maint/upstart/trunk/
+XS-Debian-Vcs-Browser: http://anonscm.debian.org/loggerhead/collab-maint/upstart/trunk/
+Homepage: http://upstart.ubuntu.com/
+XS-Testsuite: autopkgtest
+
+Package: upstart
+Architecture: any
+Depends: ${shlibs:Depends}, ${misc:Depends}, sysvinit-utils, init-system-helpers (>= 1.22ubuntu6), initscripts, mountall, ifupdown (>= 0.6.10ubuntu5), libjson0 (>= 0.10-1.1ubuntu1), debianutils (>= 4)
+Suggests: python3, graphviz, bash-completion, upstart-monitor
+Replaces: upstart-job, sysvinit, startup-tasks, system-services, upstart-bin (<< 1.13.2-0ubuntu10~)
+Conflicts: upstart-job, sysvinit, startup-tasks, system-services, lxcguest
+Provides: upstart-job, upstart-compat-sysv, startup-tasks, system-services
+Breaks: libc6 (<< 2.12.1-0ubuntu12), friendly-recovery (<< 0.2.13), initramfs-tools (<< 0.103ubuntu8), upstart-bin (<< 1.13.2-0ubuntu10~)
+Multi-Arch: foreign
+Description: event-based init daemon - essential binaries
+ upstart is a replacement for the /sbin/init daemon which handles
+ starting of tasks and services during boot, stopping them during
+ shutdown and supervising them while the system is running.
+ .
+ This package provides all essential upstart components, sufficient
+ for running user sessions managed by upstart.
```

```
+
+Package: upstart-sysv
+Architecture: linux-any
+Multi-Arch: foreign
+Section: admin
+Priority: extra
+Conflicts: sysvinit-core, systemd-sysv
+Replaces: sysvinit (<< 2.88dsf-44~), sysvinit-core, upstart (<< 1.13.2-0ubuntu10~)
+Pre-Depends: upstart,
+Depends: ${shlibs:Depends}, ${misc:Depends}, upstart (= ${binary:Version})
+Description: event-based init daemon - SysV links
+ upstart is a replacement for the /sbin/init daemon which handles
+ starting of tasks and services during boot, stopping them during
+ shutdown and supervising them while the system is running.
+ .
+ This package provides the manual pages and links needed for upstart
+ to replace sysvinit. Installing systemd-sysv will overwrite /sbin/init with a
+ link to upstart.
+
+Package: upstart-bin
+Architecture: all
+Priority: extra
+Section: oldlibs
+Depends: ${shlibs:Depends}, ${misc:Depends}, upstart
+Description: event-based init daemon - transitional dummy package
+ This is a transitional dummy package. It can safely be removed.
+
+Package: upstart-monitor
+Architecture: all
+Section: utils
+Priority: optional
+Depends: ${shlibs:Depends}, ${misc:Depends}, ${python3:Depends}, upstart (>= 1.7), python3-dbus
+Recommends: python3-gi
+Description: event monitor for upstart
+ This package contains a utility that may be run both as a
+ command-line tool or as a graphical one that displays upstart
+ events as they are emitted. It is useful for observing system
+ changes and for determining appropriate events for new jobs.
+
+Package: upstart-dconf-bridge
+Architecture: any
+Section: utils
+Priority: optional
+Depends: ${shlibs:Depends}, ${misc:Depends}, ${python3:Depends}, upstart (>= 1.10)
+Description: DConf bridge for upstart
+ This package contains a bridge that allows upstart jobs to react when
+ DConf/gsettings keys are changed.
+
```

+Package: libupstart1
+Priority: optional
+Architecture: any
+Pre-Depends: ${misc:Pre-Depends}
+Depends: ${misc:Depends}, ${shlibs:Depends}
+Multi-Arch: same
+Description: Upstart Client Library
+ The libupstart library allows access to services provided by the Upstart init
+ daemon without having to use low-level D-Bus calls.
+ .
+ This package contains the shared library.
+
+Package: libupstart-dev
+Priority: optional
+Section: libdevel
+Architecture: any
+Multi-Arch: same
+Depends: libupstart1 (= ${binary:Version}), ${shlibs:Depends}, ${misc:Depends}
+Description: Upstart Client Library (development files)
+ The libupstart library allows access to services provided by the Upstart init
+ daemon without having to use low-level D-Bus calls.
+ .
+ This package contains the static library and C header files which are
+ needed for developing software using libupstart.
--- upstart-1.13.2.orig/debian/copyright
+++ upstart-1.13.2/debian/copyright
@@ -0,0 +1,19 @@
+Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
+Upstream-Name: upstart
+Upstream-Contact: upstart-devel@lists.ubuntu.com
+Source: http://http://launchpad.net/upstart
+
+Files: *
+Copyright: 2009-2013 Canonical Ltd.
+License: GPL-2
+ This program is free software; you can redistribute it and/or modify
+ it under the terms of the GNU General Public License version 2, as
+ published by the Free Software Foundation.
+ .
+ This program is distributed in the hope that it will be useful, but
+ WITHOUT ANY WARRANTY; without even the implied warranty of
+ MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
+ General Public License for more details.
+ .
+ On Debian and Ubuntu systems, the complete text of the GNU General Public
+ License can be found in `/usr/share/common-licenses/GPL-2'.
--- upstart-1.13.2.orig/debian/libupstart-dev.install
+++ upstart-1.13.2/debian/libupstart-dev.install

```
@@ -0,0 +1,5 @@
+usr/lib/*/libupstart.a
+usr/lib/*/libupstart.so
+usr/include/upstart.h
+usr/include/upstart
+usr/lib/*/pkgconfig/libupstart.pc
--- upstart-1.13.2.orig/debian/libupstart1.install
+++ upstart-1.13.2/debian/libupstart1.install
@@ -0,0 +1 @@
+usr/lib/*/libupstart.so.*
--- upstart-1.13.2.orig/debian/libupstart1.symbols
+++ upstart-1.13.2/debian/libupstart1.symbols
@@ -0,0 +1,2 @@
+libupstart.so.1 libupstart1 #MINVER#
+ *@LIBUPSTART_1.0.0 1.9.1
--- upstart-1.13.2.orig/debian/manpages/upstart-events.7
+++ upstart-1.13.2/debian/manpages/upstart-events.7
@@ -0,0 +1,356 @@
+'\" t
+.TH upstart-events 7 2013-12-20 upstart
+.\"
+.SH NAME
+upstart-events \- Well-known Upstart events summary
+.\"
+.SH Event Summary
+
+This manual page summarises well-known events generated by Upstart
+running both as the
+.BR init (8)
+daemon (process ID 1) and a Session Init (process that supervises a user
+session).
+
+It is not an exhaustive list of all possible events, but rather details
+a standard set of events expected to be generated on any Ubuntu system
+running Upstart.
+
+The primary tables, \fBTable 1\fP and \fBTable 2\fP, encode the
+well-known system and session events respectively, along with the type
+of each event (listed in \fBTable 3\fP), the emitter of the event (see
+\fBTable 4\fP) and the approximate time at which the event could be
+generated. Additionally, the \fINote\fP column indexes into \fBTable
+5\fP for further details on a particular event.
+
+See
+.BR init (8)
+for a table summarising job goals and possible state transitions.
+
+Note that some events listed in
```

+.B Table 1
+.I may
+be available to session jobs (depending on when the Session Init
+starts). Those events that are available will be prefixed with
+\fI:sys:\fR. See
+.BR upstart\-event\-bridge (8)
+for further details.
+
+The \fIRef\fP (Reference) column is used to refer to individual
+events succinctly in the \fITime\fP column.
+
+Note that the \(aq<\(aq and \(aq>\(aq characters in the \fITime\fP column denote
+that the event in the \fIEvent\fP column occurs respectively before or
+after the event specified in the \fITime\fP column (for example, the
+\fBmounting\fP(7) event occurs "at some time" after the \fBstartup\fP(7)
+event, and the \fBvirtual\-filesystems\fP(7) event occurs after the last
+\fBmounted\fP(7) event relating to a virtual filesystem has been emitted).
+
+For further details on events, consult the manual pages and the system
+job configuration files, usually located in \fI/etc/init\fP.
+.\"
+
+.\" Flush-left to allow table to be viewed on 80-col display without
+.\" wrapping.
+.nr old_po .po
+.nr old_in .in
+.po 0
+.in 0
+.sp 1
+\fBTable 1: Well-Known System Events Summary.\fP
+.TS
+box, tab (@);
+c | c | c | c | c | c
+c | l | c | c | l | c.
+Ref@Event@Type@Emit@Time@Note
+=
+ @\fBall\-swaps\fP@S@M@> (5)@
+ @\fBcontrol\-alt\-delete\fP(7)@S@A@> (5)@A
+ @container@S@C@> \fI/run\fP mounted@Q
+ @dbus\-activation@S@B@> D\-Bus client request@
+ @deconfiguring\-networking@H@V@< non-local IFs down@P
+ @desktop\-session\-start@H@D@> \fBX\fP(7) session created@B
+ @desktop\-shutdown@H@D@> \fBX\fP(7) session ended@O
+ @device\-not\-ready@H@M@> (2)@N
+ @drm\-device\-added@S@U@> (5)@C
+ @failsafe\-boot@S@X@> (7) and local IF@S
+ @file@S@K@> (1)@U
+7@\fBfilesystem\fP@S@M@After last (1)@D

+ @graphics\-device\-added@S@U@> (5)@C
+ @\fBkeyboard\-request\fP(7)@S@A@> (5)@E
+ @\fBlocal\-filesystems\fP(7)@S@M@> (6)@
+ @login\-session\-start@H@D@< DM running@F
+1@\fBmounted\fP(7)@H@M@> associated (2)@G
+2@\fBmounting\fP(7)@H@M@> (5)@H
+3@net\-device\-added@S@U@> (5)@C
+ @net\-device\-changed@S@U@> (5)@C
+ @net\-device\-down@S@F@< (4)@C
+4@net\-device\-removed@S@U@> (5)@C
+ @net\-device\-up@S@F,N@> (3)@C
+ @not\-container@S@C@> \fI/run\fP mounted@Q
+ @\fBpower\-\%status\-\%changed\fP(7)@S@I@> (5)@I
+ @recovery@S@G@Boot (<5)@R
+ @\fBremote\-\%filesystems\fP(7)@S@M@> (6)@
+ @rotate\-logs@H@R@daily@Y
+ @\fBrunlevel\fP(7)@M@T@> (7) + (8)@
+ @\fBsocket\fP(7)@S@S@> socket connection@X
+5@\fBstartup\fP(7)@S@I@Boot@J
+ @\fBstarted\fP(7)@S@I@> job started@K
+ @\fBstarting\fP(7)@H@I@< job starts@K
+ 8@static\-network\-up@S@N@> last static IF up@
+ @\fBstopped\fP(7)@S@I@> job stopped@K
+ @\fBstopping\fP(7)@H@I@< job stops@K
+ @T{
+unmounted\-\:remote\-\:filesystems
+T}@H@V@T{
+> last remote FS unmounted
+T}@L
+6@\fBvirtual\-\:filesystems\fP(7)@S@M@> last virtual FS (1)@M
+.TE
+.po \n[old_po]
+.in \n[old_in]
+.P
+Key:
+ \(aqDM\(aq is an abbreviation for Display Manager.
+ \(aqFS\(aq is an abbreviation for filesystem.
+ \(aqIF\(aq is an abbreviation for Network Interface.
+
+.\" Flush-left to allow table to be viewed on 80-col display without
+.\" wrapping.
+.nr old_po .po
+.nr old_in .in
+.po 0
+.in 0
+.sp 1
+\fBTable 2: Well-Known User Events Summary.\fP
+.TS

```
+box, tab (@);
+c | c | c | c | c | c
+c | l | c | c | l | c.
+Ref@Event@Type@Emit@Time@Note
+=
+ @dbus@S@L@> (1) @W
+ @dconf@S@O@> (1) @
+ @\fBdesktop\-end\fP(7)@S@J@< (2)@
+ @\fBdesktop\-start\fP(7)@H@J@> (3)@
+ @file@S@K@> (1)@U
+2@\fBsession\-end\fP(7)@M@I@< Session Init end@
+1@\fBstartup\fP(7)@S@I@> Session Init start@J
+ @:sys:*@S@E@> \fBupstart\-event\-bridge\fP(8) start@
+ @:sys:restarted@S@E@> \fBupstart\-event\-bridge\fP(8) start@V
+3@xsession@M@H@> (1)@T
+.TE
+.po \n[old_po]
+.in \n[old_in]
+
+.\"
+.P
+.sp 1
+.nr old_po .po
+.nr old_in .in
+.po 0
+.in 0
+\fBTable 3: Event Types.\fP
+.TS
+box, tab (@);
+c | l |l
+c | l |l.
+Ref@Event Type@Notes
+=
+H@Hook@T{
+Blocking. Waits for events that \fBstart on\fP or \fBstop on\fP this
+event.
+T}
+M@Method@Blocking task.
+S@Signal@Non-blocking.
+.TE
+.po \n[old_po]
+.in \n[old_in]
+
+.\"
+.P
+.nr old_po .po
+.nr old_in .in
+.po 0
```

```
+.in 0
+.sp 1
+\fBTable 4: Event Emitters.\fP
+.TS
+box, tab (@);
+c | l |l
+c | l |l.
+Ref@Emitter@Notes
+=
+A@System Administrator (initiator)@Technically emitted by init(8).
+B@\fBdbus\-daemon\fP(1)@Run with "\fI\-\-activation=upstart"\fP
+C@container\-detect job@
+D@Display Manager@e.g. lightdm/gdm/kdm/xdm.
+E@\fBupstart\-event\-bridge\fP(8)@
+F@\fBifup\fP(8) or \fBifdown\fP(8)@See \fI/etc/network/\fP.
+G@bootloader or initramfs@
+H@xsession\-init session job@
+I@\fBinit\fP(8)@Either PID 1 or a Session Init.
+J@job that starts desktop@gnome\-session job for Ubuntu.
+K@\fBupstart\-file\-bridge\fP(8)@See \fBfile\-event\fP(7).
+L@\fBupstart\-dbus\-bridge\fP(8)@See \fBdbus\-event\fP(7).
+M@\fBmountall\fP(8)@
+N@network\-interface job@
+O@\fBupstart\-dconf\-bridge\fP(8)@See \fBdconf\-event\fP(7).
+R@\fI/etc/cron.daily/upstart\fP@See \fBcron\fP(8).
+S@\fBupstart\-socket\-bridge\fP(8)@See \fBsocket\-event\fP(7).
+T@\fBtelinit\fP(8), \fBshutdown\fP(8)@
+U@\fBupstart\-udev\-bridge\fP(8)@
+V@System V init system@
+X@failsafe job@
+.TE
+.po \n[old_po]
+.in \n[old_in]
+
+.\"
+.P
+.nr old_po .po
+.nr old_in .in
+.po 0
+.in 0
+\fBTable 5: Event Summary Notes.\fP
+.TS
+box, tab (@);
+c | l
+c | l.
+Note@Detail
+=
+A@T{
```

+Requires administrator to press Control-Alt-Delete key
+combination on the console.
+T}
+B@Event generated when user performs graphical login.
+C@T{
+These are specific examples. \fBupstart\-udev\-bridge\fP(8) will emit
+events which match the pattern, "\fIS\fP\-device\-\fIA\fP" where
+\(aqS\(aq is the udev \fIsubsystem\fP and \(aqA\(aq is the udev \fIaction\fP. See
+\fBudev\fP(7) and for further details. If you have sysfs
+mounted, you can look in \fI/sys/class/\fP for possible values for subsystem.
+T}
+D@Note this is in the singular - there is no \(aqfilesystems\(aq event.
+E@T{
+Emitted when administrator presses Alt-UpArrow key combination on
+the console.
+T}
+F@T{
+Denotes Display Manager running (about to be displayed), but no users
+logged in yet.
+T}
+G@Generated for each mount that completes successfully.
+H@T{
+Emitted when mount attempt for single entry from \fBfstab\fP(5)
+for any filesystem type is about to begin.
+T}
+I@Emitted when Upstart receives the SIGPWR signal.
+J@Initial event (system or Session Init).
+K@T{
+Although the events are emitted by \fBinit\fP(8), the instigator may be
+\fBinitctl\fP(8) if a System Administrator has manually started or
+stopped a job.
+T}
+L@\fI/etc/init/umountnfs.sh\fP.
+M@Emitted when all virtual filesystems (such as \fI/proc\fR) mounted.
+N@T{
+Emitted when the \fI\-\-dev\-wait\-time\fP timeout is exceeded for
+\fBmountall\fP(8). This defaults to 30 seconds.
+T}
+O@T{
+Emitted when the \fIX\fP(7) display manager exits at shutdown or reboot, to
+hand off to the shutdown splash manager.
+T}
+P@T{
+Emitted by /etc/init.d/networking just prior to stopping all non-local
+network interfaces.
+T}
+Q@T{
+Either \(aqcontainer\(aq or \(aqnot-container\(aq is emitted (depending

+on the environment), but not both.
+T}
+R@T{
+Emitted by either the initramfs or bootloader (for example grub) as the \fIinitial\fP
+event (rather than \fBstartup\fP(7)) to denote the system has booted into
+recovery mode. If recovery was successful, the standard \fBstartup\fP(7)
+event is \fIthen\fP emitted, allowing the system to boot as normal.
+T}
+S@T{
+Emitted to indicate the system has failed to boot within the expected
+time. This event will trigger other jobs to forcibly attempt to bring
+the system into a usable state.
+T}
+T@Only emitted for a graphical session.
+U@See \fBfile\-event\fP(7).
+V@T{
+This is a pseudo-system event emitted directly by the
+.BR upstart\-event\-bridge (8) "" .
+T}
+W@T{
+Emitted by Session Init only since bridge not run as system job by
+default.
+T}
+X@See \fBsocket\-event\fP(7).
+Y@T{
+Used primary by Session Job
+\fI/usr/share/upstart/sessions/logrotate.conf\fP.
+T}
+.TE
+.po \n[old_po]
+.in \n[old_in]
+
+.\"
+.SH AUTHOR
+Manual page written by James Hunt
+.RB < james.hunt@ubuntu.com >
+.\"
+.SH REPORTING BUGS
+Report bugs at
+.RB < https://launchpad.net/ubuntu/+source/upstart/+bugs >
+.\"
+.SH COPYRIGHT
+Copyright \(co 2011-2013 Canonical Ltd.
+.br
+This is free software; see the source for copying conditions. There is NO
+warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
+.\"
+.SH SEE ALSO

```
+
+.BR all\-swaps (7),
+.BR control\-alt\-delete (7),
+.BR dbus\-daemon (1),
+.BR dbus\-event (7),
+.BR dconf\-event (7),
+.BR file\-event (7),
+.BR filesystem (7),
+.BR ifdown(8)
+.BR ifup (8)
+.BR init (5),
+.BR init (8),
+.BR initctl (8),
+.BR keyboard\-request (7),
+.BR local\-filesystems (7),
+.BR mountall (8),
+.BR mounted (7),
+.BR mounting (7),
+.BR power\-status\-changed (7),
+.BR remote\-filesystems (7),
+.BR runlevel (7),
+.BR shutdown (8),
+.BR socket\-event (7),
+.BR started (7),
+.BR starting (7),
+.BR startup (7),
+.BR stopped (7),
+.BR stopping (7),
+.BR telinit (8),
+.BR upstart\-dbus\-bridge (8),
+.BR upstart\-dconf\-bridge (8),
+.BR upstart\-event\-bridge (8),
+.BR upstart\-file\-bridge (8),
+.BR upstart\-local\-bridge (8),
+.BR upstart\-socket\-bridge (8),
+.BR upstart\-udev\-bridge (8),
+.BR virtual\-filesystems (7).
+
--- upstart-1.13.2.orig/debian/migrate-inittab.pl
+++ upstart-1.13.2/debian/migrate-inittab.pl
@@ -0,0 +1,143 @@
+#!/usr/bin/perl
+
+use strict;
+use warnings;
+
+my %gettys;
+my $have_cad = 0;
```

```
+
+
+#---------------------------------------------------------------------------#
+# Parse /etc/inittab
+#---------------------------------------------------------------------------#
+
+open INITTAB, "/etc/inittab"
+    or die "Unable to open /etc/inittab: $!";
+
+while (<INITTAB>) {
+    chomp;
+    s/^\s*//;
+
+    next if /^\#/;
+    next unless length;
+
+    my ($id, $rlevel, $action, $process) = split /:/, $_, 4;
+
+    warn "missing id field" and next
+ unless defined $id and length $id;
+    warn "missing runlevel field" and next
+ unless defined $rlevel;
+    warn "missing action field" and next
+ unless defined $action and length $action;
+    warn "missing process field" and next
+ unless defined $process;
+
+
+    $have_cad = 1 if $action eq "ctrlaltdel";
+    $gettys{$1} = [ $rlevel, $process ] if $process =~ /getty.*\b(tty\w+)/;
+}
+
+close INITTAB
+    or warn "Error while closing /etc/inittab: $!";
+
+
+#---------------------------------------------------------------------------#
+# Alter /etc/event.d
+#---------------------------------------------------------------------------#
+
+unlink "/etc/init/control-alt-delete.conf"
+    unless $have_cad;
+
+foreach (qw/tty1 tty2 tty3 tty4 tty5 tty6/) {
+    unlink "/etc/init/$_.conf"
+ unless exists $gettys{$_};
+}
+
```

```
+foreach (sort keys %gettys) {
+    my ($rlevel, $process) = @{$gettys{$_}};
+
+    my @job;
+    if (-f "/etc/event.d/$_") {
+ open JOB, "/etc/event.d/$_"
+     or warn "Unable to open /etc/event.d/$_: $!" and next;
+ @job = <JOB>;
+ chomp @job;
+ close JOB
+     or warn "Error while closing /etc/event,d/$_: $!" and next;
+
+ foreach my $rl (qw/2 3 4 5/) {
+     my $idx;
+     for ($idx = 0; $idx < @job; $idx++) {
+  last if $job[$idx] =~ /^\s*(start|stop)\s+on\s+runlevel\s+$rl\b/;
+     }
+
+     if ($idx < @job) {
+  if ($rlevel =~ /$rl/) {
+      $job[$idx] =~ s/^(\s*)stop(\s+)/$1start$2/;
+  } else {
+      $job[$idx] =~ s/^(\s*)start(\s+)/$1stop$2/;
+  }
+     } else {
+  if ($rlevel =~ /$rl/) {
+      push @job, "start on runlevel $rl";
+  } else {
+      push @job, "stop on runlevel $rl";
+  }
+     }
+ }
+
+ my $idx;
+ for ($idx = 0; $idx < @job; $idx++) {
+     last if $job[$idx] =~ /^\s*respawn\s*/; # match bare 'respawn' too
+ }
+
+ if ($idx < @job) {
+     # only match old-style 'respawn process', not bare 'respawn'
+     $job[$idx] =~ s/^(\s*respawn\s+).*/$1$process/;
+ } else {
+     push @job, "respawn";
+     push @job, "exec $process";
+ }
+
+ # Try to fix up effects of previous broken migrations
+ if (@job and $job[$#job] =~ /.*(.+?)exec (\1)$/) {
```

```
+     $job[$#job] = "exec $1";
+ }
+
+    } else {
+ push @job, "# $_ - getty";
+ push @job, "#";
+ push @job, "# Converted from /etc/inittab entry";
+ push @job, "";
+
+ foreach my $rl (qw/2 3 4 5/) {
+     if ($rlevel =~ /$rl/) {
+  push @job, "start on runlevel $rl";
+     } else {
+  push @job, "stop on runlevel $rl";
+     }
+ }
+ push @job, "";
+
+ push @job, "stop on shutdown";
+ push @job, "";
+
+ push @job, "respawn";
+ push @job, "exec $process";
+    }
+
+    open JOB, ">/etc/event.d/.$_"
+ or warn "Unable to write to /etc/event.d/.$_: $!" and next;
+    print JOB map { "$_\n" } @job;
+    unless (close JOB) {
+ warn "Error while closing /etc/event.d/.$_: $!";
+ unlink "/etc/event.d/.$_";
+ next;
+    }
+
+    unless (rename "/etc/event.d/.$_", "/etc/event.d/$_") {
+ warn "Unable to replace /etc/event.d/$_: $!";
+ unlink "/etc/event.d/.$_";
+ next;
+    }
+}
--- upstart-1.13.2.orig/debian/rules
+++ upstart-1.13.2/debian/rules
@@ -0,0 +1,57 @@
+#!/usr/bin/make -f
+
+DEB_BUILD_MAINT_OPTIONS  := hardening=+pie,+bindnow
+DEB_LDFLAGS_MAINT_APPEND := -Wl,--as-needed
+DEB_CFLAGS_MAINT_APPEND  := -Wall
```

```
+
+# Disable optimisations if noopt found in $DEB_BUILD_OPTIONS
+ifneq (,$(findstring noopt,$(DEB_BUILD_OPTIONS)))
+ DEB_LDFLAGS_MAINT_APPEND += -Wl,-O0
+else
+ DEB_CFLAGS_MAINT_APPEND += -Os
+ DEB_LDFLAGS_MAINT_APPEND += -Wl,-O1
+endif
+
+export DEB_BUILD_MAINT_OPTIONS DEB_LDFLAGS_MAINT_APPEND
DEB_CFLAGS_MAINT_APPEND
+
+%:
+ dh $@ --with bash-completion,autoreconf,python3 --parallel
+
+override_dh_auto_configure:
+ dh_auto_configure -- --exec-prefix= --enable-selinux \
+  --disable-silent-rules --disable-abi-check \
+  --program-transform-name="s/^init$$/upstart/"
+
+override_dh_auto_build:
+ dh_auto_build --parallel
+
+override_dh_auto_test:
+ifeq (,$(filter nocheck,$(DEB_BUILD_OPTIONS)))
+ifeq (0,$(shell id -u))
+ # WARNING: RUNNING TESTS AS ROOT IS KNOWN TO FAIL
+ # WARNING: WILL RUN TESTS, BUT WILL IGNORE FAILURE
+ -dh_auto_build -- -k check || { RET=$$?; find . -name "test-suite.log" -exec cat {} + ; exit $$RET;}
+else
+ dh_auto_build -- -k check || { RET=$$?; find . -name "test-suite.log" -exec cat {} + ; exit $$RET;}
+endif
+endif
+
+override_dh_fixperms:
+ dh_fixperms
+ chmod 755 debian/upstart/lib/init/upstart-job
+ chmod 755 debian/upstart/usr/lib/upstart/migrate-inittab.pl
+
+override_dh_auto_install:
+ dh_auto_install -- pkgconfigdir=\$${libdir}/pkgconfig
+
+# Remove the appropriate dconf files from the upstart package - they
+# will be added used by the upstart-dconf-bridge.install file.
+override_dh_install:
+ dh_install --list-missing
+ install -m 644 debian/upstart.apport \
+  debian/upstart/usr/share/apport/package-hooks/source_upstart.py
```

```
+ rm debian/upstart/usr/share/upstart/sessions/upstart-dconf-bridge.conf
+ rm debian/upstart/etc/init/upstart-dbus-bridge.conf
+
+override_dh_installcron:
+ dh_installcron -p upstart --name upstart
--- upstart-1.13.2.orig/debian/source/format
+++ upstart-1.13.2/debian/source/format
@@ -0,0 +1 @@
+1.0
--- upstart-1.13.2.orig/debian/source/options
+++ upstart-1.13.2/debian/source/options
@@ -0,0 +1 @@
+--extend-diff-ignore=.*.gmo
--- upstart-1.13.2.orig/debian/tests/control
+++ upstart-1.13.2/debian/tests/control
@@ -0,0 +1,3 @@
+Tests: force
+Depends: @, dbus
+Restrictions: needs-root build-needed
--- upstart-1.13.2.orig/debian/tests/force
+++ upstart-1.13.2/debian/tests/force
@@ -0,0 +1,13 @@
+#!/bin/sh -e
+#-----------------------------------------------------------------------
+# Dummy DEP-8 test that does nothing. The reason for having it though
+# is to force auto-package-test to build Upstart and thus run its test
+# suite. This is not strictly necessary (as we already run it on all
+# architectures as part of the package build), running the tests in
+# the the virtualised auto-package-test environment (different to the
+# buildd environment) has shaken out a few bugs in the past.
+#-----------------------------------------------------------------------
+
+. $(dirname $0)/test_setup
+
+exit 0
--- upstart-1.13.2.orig/debian/tests/test_setup
+++ upstart-1.13.2/debian/tests/test_setup
@@ -0,0 +1,25 @@
+#-----------------------------------------------------------------------
+# Source this file in all tests
+#-----------------------------------------------------------------------
+
+# user provided by auto-package-testing environment
+user=ubuntu
+
+#------------------------------
+# Assertions
+
```

```
+# We must be running as root initially to perform setup
+test $(id -u) -eq 0 || { echo "ERROR: not root"; exit 1; }
+
+# User must exist
+getent passwd $user >/dev/null 2>&1 || \
+ { echo "ERROR: no user '$user'"; exit 1; }
+
+#------------------------------
+# Init
+
+# we need to run as root, but that means all unpacked files are owned by
+# root too.
+chown -R ${user}: . ..
+
+#------------------------------------------------------------------------
--- upstart-1.13.2.orig/debian/upstart-dconf-bridge.install
+++ upstart-1.13.2/debian/upstart-dconf-bridge.install
@@ -0,0 +1,4 @@
+sbin/upstart-dconf-bridge
+usr/share/upstart/sessions/upstart-dconf-bridge.conf
+usr/share/man/man8/upstart-dconf-bridge.8
+usr/share/man/man7/dconf-event.7
--- upstart-1.13.2.orig/debian/upstart-job
+++ upstart-1.13.2/debian/upstart-job
@@ -0,0 +1,119 @@
+#!/bin/sh -e
+# upstart-job
+#
+# Symlink target for initscripts that have been converted to Upstart.
+
+set -e
+
+UPSTART_JOB_CONF="/etc/default/upstart-job"
+INITSCRIPT="$(basename "$0")"
+JOB="${INITSCRIPT%.sh}"
+
+if [ "$JOB" = "upstart-job" ]; then
+    if [ -z "$1" ]; then
+        echo "Usage: upstart-job JOB COMMAND" 1>&2
+ exit 1
+    fi
+
+    JOB="$1"
+    INITSCRIPT="$1"
+    shift
+else
+    if [ -z "$1" ]; then
+        echo "Usage: $0 COMMAND" 1>&2
```

```
+ exit 1
+    fi
+fi
+
+COMMAND="$1"
+shift
+
+ECHO=echo
+ECHO_ERROR=echo
+if [ -e "$UPSTART_JOB_CONF" ]; then
+ . "$UPSTART_JOB_CONF"
+fi
+if [ -n "$DPKG_MAINTSCRIPT_PACKAGE" ]; then
+ ECHO=:
+ ECHO_ERROR=:
+fi
+
+$ECHO "Rather than invoking init scripts through /etc/init.d, use the service(8)"
+$ECHO "utility, e.g. service $INITSCRIPT $COMMAND"
+
+# Only check if jobs are disabled if the currently _running_ version of
+# Upstart (which may be older than the latest _installed_ version)
+# supports such a query.
+#
+# This check is necessary to handle the scenario when upgrading from a
+# release without the 'show-config' command (introduced in
+# Upstart for Ubuntu version 0.9.7) since without this check, all
+# installed packages with associated Upstart jobs would be considered
+# disabled.
+#
+# Once Upstart can maintain state on re-exec, this change can be
+# dropped (since the currently running version of Upstart will always
+# match the latest installed version).
+
+UPSTART_VERSION_RUNNING=$(initctl version|awk '{print $3}'|tr -d ')')
+
+if dpkg --compare-versions "$UPSTART_VERSION_RUNNING" ge 0.9.7
+then
+    initctl show-config -e "$JOB"|grep -q '^  start on' || DISABLED=1
+fi
+
+case $COMMAND in
+status)
+    $ECHO
+    $ECHO "Since the script you are attempting to invoke has been converted to an"
+    $ECHO "Upstart job, you may also use the $COMMAND(8) utility, e.g. $COMMAND $JOB"
+    $COMMAND "$JOB"
+    ;;
```

```
+start|stop)
+    $ECHO
+    $ECHO "Since the script you are attempting to invoke has been converted to an"
+    $ECHO "Upstart job, you may also use the $COMMAND(8) utility, e.g. $COMMAND $JOB"
+    if status "$JOB" 2>/dev/null | grep -q ' start/'; then
+        RUNNING=1
+    fi
+    if [ -z "$RUNNING" ] && [ "$COMMAND" = "stop" ]; then
+        exit 0
+    elif [ -n "$RUNNING" ] && [ "$COMMAND" = "start" ]; then
+        exit 0
+    elif [ -n "$DISABLED" ] && [ "$COMMAND" = "start" ]; then
+        exit 0
+    fi
+    $COMMAND "$JOB"
+    ;;
+restart)
+    $ECHO
+    $ECHO "Since the script you are attempting to invoke has been converted to an"
+    $ECHO "Upstart job, you may also use the stop(8) and then start(8) utilities,"
+    $ECHO "e.g. stop $JOB ; start $JOB. The restart(8) utility is also available."
+    if status "$JOB" 2>/dev/null | grep -q ' start/'; then
+        RUNNING=1
+    fi
+    if [ -n "$RUNNING" ] ; then
+        stop "$JOB"
+    fi
+    # If the job is disabled and is not currently running, the job is
+    # not restarted. However, if the job is disabled but has been forced into the
+    # running state, we *do* stop and restart it since this is expected behaviour
+    # for the admin who forced the start.
+    if [ -n "$DISABLED" ] && [ -z "$RUNNING" ]; then
+        exit 0
+    fi
+    start "$JOB"
+    ;;
+reload|force-reload)
+    $ECHO
+    $ECHO "Since the script you are attempting to invoke has been converted to an"
+    $ECHO "Upstart job, you may also use the reload(8) utility, e.g. reload $JOB"
+    reload "$JOB"
+    ;;
+*)
+    $ECHO_ERROR
+    $ECHO_ERROR "The script you are attempting to invoke has been converted to an Upstart" 1>&2
+    $ECHO_ERROR "job, but $COMMAND is not supported for Upstart jobs." 1>&2
+    exit 1
+esac
```

```
--- upstart-1.13.2.orig/debian/upstart-monitor.install
+++ upstart-1.13.2/debian/upstart-monitor.install
@@ -0,0 +1,5 @@
+bin/upstart-monitor usr/bin/
+usr/share/icons/hicolor/scalable/apps/upstart-monitor.svg
+usr/share/applications/upstart-monitor.desktop
+usr/share/man/man8/upstart-monitor.8
+usr/share/upstart/icons/upstart-monitor.svg
--- upstart-1.13.2.orig/debian/upstart-sysv.install
+++ upstart-1.13.2/debian/upstart-sysv.install
@@ -0,0 +1,13 @@
+sbin/halt
+sbin/poweroff
+sbin/reboot
+sbin/runlevel
+sbin/shutdown
+usr/share/man/man5/inittab.5
+usr/share/man/man7/runlevel.7
+usr/share/man/man8/shutdown.8
+usr/share/man/man8/runlevel.8
+usr/share/man/man8/reboot.8
+usr/share/man/man8/telinit.8
+usr/share/man/man8/poweroff.8
+usr/share/man/man8/halt.8
--- upstart-1.13.2.orig/debian/upstart-sysv.links
+++ upstart-1.13.2/debian/upstart-sysv.links
@@ -0,0 +1,3 @@
+sbin/upstart sbin/init
+lib/sysvinit/telinit sbin/telinit
+usr/share/man/man5/upstart.5.gz usr/share/man/man5/init.5.gz
--- upstart-1.13.2.orig/debian/upstart-sysv.postinst
+++ upstart-1.13.2/debian/upstart-sysv.postinst
@@ -0,0 +1,10 @@
+#!/bin/sh
+set -e
+
+# update grub on first install, so that the alternative init system boot
+# entries get updated
+if [ "$1" = configure ] && [ -z "$2" ] && [ -e /boot/grub/grub.cfg ] && which update-grub >/dev/null 2>&1; then
+    update-grub || true
+fi
+
+#DEBHELPER#
--- upstart-1.13.2.orig/debian/upstart-xsessions
+++ upstart-1.13.2/debian/upstart-xsessions
@@ -0,0 +1,18 @@
+# xsessions listed below are run inside an Upstart user session.
+gnome
```

```
+gnome-classic
+gnome-fallback
+gnome-flashback-metacity
+gnome-flashback-compiz
+kde-plasma
+Lubuntu
+Lubuntu-Netbook
+lubuntu-nexus7
+lxgames
+qlubuntu
+ubuntu
+ubuntustudio
+xfce
+xubuntu
+unity8-x11
+unity8-mir
--- upstart-1.13.2.orig/debian/upstart.apport
+++ upstart-1.13.2/debian/upstart.apport
@@ -0,0 +1,195 @@
+#!/usr/bin/python
+'''
+Upstart apport hook.
+
+Handles both Upstart running as PID 1 and as a Session Init
+(non-privileged user).
+
+Limitations:
+
+- does not handle non-default --logdir or --confdir.
+
+'''
+import os
+import re
+import glob
+from apport.hookutils import *
+import apport.packaging
+
+msg = \
+"""
+The contents of your Upstart job configuration files (*.conf and
+*.override) files may help developers diagnose your bug more quickly.
+However, if you have modified them, they may contain sensitive
+information.
+
+Do you want to include any modified job configuration files
+in your bug report?
+"""
+
```

```
+def add_root_file(map, file):
+    """
+    Add @file to @map such that @map can be passed to
+    attach_root_command_outputs() to have @file attached to the report
+    event if it is unreadable by the current user.
+    """
+    if not os.path.exists(file):
+        return
+
+    key = path_to_key(file)
+
+    map[key] = 'cat %s' % file
+
+
+def add_info(report, ui):
+    system_state_file = '/var/log/upstart/upstart.state'
+    system_conf_dir = '/etc/init'
+    session_state_file = None
+    attach_jobs = False
+    package = None
+
+    # files that are not readable by current user
+    unreadable_files = {}
+
+    # Used to determine which details to record.
+    #
+    # For crashes, hangs and recoverable problems, attach all possible
+    # information.
+    #
+    # If we are unable to determine a problem category, prompt the user.
+    category = 'Unknown'
+
+    if 'Package' in report:
+        package = report['Package'].split()[0]
+
+    problem_type = report.get('ProblemType', '')
+
+    # Determine whether this report relates to a System Init issue,
+    # or a Session Init one.
+
+    # Crashes and Hangs should be handled automatically without
+    # prompting. Recoverable Problems should also be dealt with in this
+    # way since they are essentially informational reports so prompting
+    # the user is unnecessary and would also only give the user the wrong
+    # impression.
+    if problem_type in ('Crash', 'Hang', 'RecoverableProblem'):
+        if 'ProcStatus' in report:
+            pid_line = re.search('Pid:\t(.*)\n', report['ProcStatus'])
```

```
+            if pid_line:
+                upstart_pid = pid_line.groups()[0]
+                if upstart_pid:
+                    if int(upstart_pid) == 1:
+                        category = 'System'
+                    else:
+                        category = 'Session'
+    elif ui:
+        response = ui.choice(
+            "Upstart is used to supervise both the System and users Desktop\n"
+            "sessions. Please choose the option that is most appropriate\n"
+            "for the problem you wish to report\n",
+            ['System', 'Desktop Session'])
+        if response == None:
+            pass
+        if 0 in response:
+            category = 'System'
+        elif 1 in response:
+            category = 'Session'
+
+    report['UpstartBugCategory'] = category
+
+    if problem_type in ('Crash', 'Hang', 'RecoverableProblem'):
+        # crash bugs are private by default
+        attach_jobs = True
+    elif ui and ui.yesno(msg) == True:
+        attach_jobs = True
+
+    if category == 'System' or category == 'Unknown':
+        attach_file(report, '/proc/cmdline', 'ProcKernelCmdline')
+
+        # console output
+        attach_file_if_exists(report, '/var/log/boot.log', 'BootLog')
+
+        if attach_jobs == True:
+
+            # Map of files => package names where each file is an Upstart
+            # job configuration file.
+            file_map = {}
+
+            for file in \
+                glob.glob("%s/*.conf"     % system_conf_dir) + \
+                glob.glob("%s/*.override" % system_conf_dir):
+
+                # try and determine which package owns the file
+                owner = apport.packaging.get_file_package(file)
+
+                if owner == None:
```

```
+                # If no package owns it, it's either an admin-created
+                # job, or from a manually installed package, so attach.
+                # XXX: We don't use attach_file() since, although it
+                # handles unreadable files in a sense (by returning
+                # an error string), it does not allow us to grab the
+                # file contents.
+                add_root_file(unreadable_files, file)
+            elif owner != package and owner not in set(file_map.values()):
+                # If the file is owned by another package,
+                # record the package name.
+                #
+                # XXX: note that we exclude the file if it is owned by
+                # the Upstart package itself since the general hooks
+                # already look for modified conffiles.
+                file_map[file] = owner
+
+        # Attach all modified conffiles for all packages which
+        # provide Upstart jobs.
+        for pkg in set(file_map.values()):
+            attach_conffiles(report, pkg)
+
+    if category == 'Session' or category == 'Unknown':
+        log_dir = os.getenv('XDG_CACHE_HOME', os.path.expanduser('~/.cache/upstart/'))
+        conf_dir = os.getenv('XDG_CONFIG_HOME', os.path.expanduser('~/.config/upstart/'))
+        old_conf_dir = os.path.expanduser('~/.init/')
+        session_state_file = os.path.join(log_dir, 'upstart.state')
+
+        if attach_jobs == True:
+            for file in \
+                glob.glob("%s/*.conf"     % conf_dir) + \
+                glob.glob("%s/*.override" % conf_dir) + \
+                glob.glob("%s/*.conf"     % old_conf_dir) + \
+                glob.glob("%s/*.override" % old_conf_dir):
+                attach_file(report, file)
+
+    add_root_file(unreadable_files, system_state_file)
+
+    attach_root_command_outputs(report, unreadable_files)
+
+    if session_state_file:
+        attach_file_if_exists(report, session_state_file)
+
+    if os.path.exists(system_state_file) or (session_state_file and os.path.exists(session_state_file)):
+        report['Tags'] += ' ' + 'upstart-stateful-reexec-failed'
+
+    report['UpstartRunningSystemVersion'] = command_output(['initctl', '--system', 'version'])
+
+    if category == 'System' or category == 'Unknown':
```

```
+        ursysj = command_output(['initctl', '--system', 'list'])
+        report['UpstartRunningSystemJobs'] = \
+            '\n'.join(sorted(ursysj.split('\n')))
+
+    session_count = 0
+    if category == 'Session' or category == 'Unknown':
+        sessions = command_output(['initctl', 'list-sessions']).split('\n')
+        if sessions and sessions[0]:
+            session_count = len(sessions)
+            report['UpstartRunningSessionCount'] = str(session_count)
+
+    # join the running session if possible
+    if not os.environ.get('UPSTART_SESSION', None) and session_count == 1:
+        session = sessions[0].strip().split()[1]
+        if session:
+            os.environ['UPSTART_SESSION'] = session
+
+    if os.environ.get('UPSTART_SESSION', None):
+        report['UpstartRunningSessionVersion'] = command_output(['initctl', 'version'])
+        ursesj = command_output(['initctl', 'list'])
+        report['UpstartRunningSessionJobs'] = \
+            '\n'.join(sorted(ursesj.split('\n')))
--- upstart-1.13.2.orig/debian/upstart.bash-completion
+++ upstart-1.13.2/debian/upstart.bash-completion
@@ -0,0 +1 @@
+contrib/bash_completion/upstart
--- upstart-1.13.2.orig/debian/upstart.dirs
+++ upstart-1.13.2/debian/upstart.dirs
@@ -0,0 +1,2 @@
+usr/share/apport/package-hooks
+var/log/upstart
--- upstart-1.13.2.orig/debian/upstart.docs
+++ upstart-1.13.2/debian/upstart.docs
@@ -0,0 +1,4 @@
+NEWS
+AUTHORS
+TODO
+HACKING
--- upstart-1.13.2.orig/debian/upstart.install
+++ upstart-1.13.2/debian/upstart.install
@@ -0,0 +1,58 @@
+bin/init-checkconf usr/bin/
+bin/initctl2dot usr/bin/
+debian/conf/*.conf etc/init/
+debian/migrate-inittab.pl usr/lib/upstart/
+debian/upstart-job lib/init/
+debian/upstart-xsessions etc/
+debian/user-conf/*.conf usr/share/upstart/sessions/
```

+debian/xsession.d/* etc/X11/Xsession.d/
+etc/init/*.conf
+etc/dbus-1/system.d/Upstart.conf
+sbin/initctl
+sbin/telinit lib/sysvinit/
+sbin/reload
+sbin/restart
+sbin/start
+sbin/status
+sbin/stop
+sbin/upstart
+sbin/upstart-dbus-bridge
+sbin/upstart-event-bridge
+sbin/upstart-file-bridge
+sbin/upstart-local-bridge
+sbin/upstart-socket-bridge
+sbin/upstart-udev-bridge
+usr/share/man/man5/upstart.5
+usr/share/man/man7/control-alt-delete.7
+usr/share/man/man7/dbus-event.7
+usr/share/man/man7/drm-device-added.7
+usr/share/man/man7/graphics-device-added.7
+usr/share/man/man7/file-event.7
+usr/share/man/man7/keyboard-request.7
+usr/share/man/man7/net-device-added.7
+usr/share/man/man7/net-device-removed.7
+usr/share/man/man7/power-status-changed.7
+usr/share/man/man7/socket-event.7
+usr/share/man/man7/starting.7
+usr/share/man/man7/stopping.7
+usr/share/man/man7/session-end.7
+usr/share/man/man7/startup.7
+usr/share/man/man7/started.7
+usr/share/man/man7/stopped.7
+usr/share/man/man7/upstart.7
+usr/share/man/man8/init-checkconf.8
+usr/share/man/man8/initctl.8
+usr/share/man/man8/initctl2dot.8
+usr/share/man/man8/start.8
+usr/share/man/man8/status.8
+usr/share/man/man8/stop.8
+usr/share/man/man8/reload.8
+usr/share/man/man8/restart.8
+usr/share/man/man8/upstart.8
+usr/share/man/man8/upstart-dbus-bridge.8
+usr/share/man/man8/upstart-event-bridge.8
+usr/share/man/man8/upstart-file-bridge.8
+usr/share/man/man8/upstart-local-bridge.8

```
+usr/share/man/man8/upstart-socket-bridge.8
+usr/share/man/man8/upstart-udev-bridge.8
+usr/share/upstart/sessions/*
--- upstart-1.13.2.orig/debian/upstart.logrotate
+++ upstart-1.13.2/debian/upstart.logrotate
@@ -0,0 +1,8 @@
+/var/log/upstart/*.log {
+	daily
+	missingok
+	rotate 7
+	compress
+	notifempty
+ nocreate
+}
--- upstart-1.13.2.orig/debian/upstart.maintscript
+++ upstart-1.13.2/debian/upstart.maintscript
@@ -0,0 +1 @@
+rm_conffile /etc/init/upstart-dbus-bridge.conf 1.9.1-0ubuntu4
--- upstart-1.13.2.orig/debian/upstart.manpages
+++ upstart-1.13.2/debian/upstart.manpages
@@ -0,0 +1 @@
+debian/manpages/*
--- upstart-1.13.2.orig/debian/upstart.postinst
+++ upstart-1.13.2/debian/upstart.postinst
@@ -0,0 +1,67 @@
+#!/bin/sh -e
+
+if ! ischroot; then
+ # Do not honour re-exec when requested from within a
+ # chroot since:
+ #
+ # (a) The version of Upstart outside might not support it.
+ # (b) An isolated environment such as a chroot should
+ #     not be able to modify its containing environment.
+ #
+ # A sufficiently new Upstart will actually handle a re-exec
+ # request coming from telinit within a chroot correctly,
+ # but it's simple enough to perform the check here and save
+ # Upstart the effort.
+
+ # Query running version of Upstart, but only when we know
+ # that initctl will work.
+ #
+ # The calculated version string may be the null string if
+ # Upstart is not running (where for example an alternative
+ # init is running outside a chroot environment) or if the
+ # query failed for some reason. However, the version check
+ # below handles a null version string correctly.
```

```
+ UPSTART_VERSION_RUNNING=$(initctl version 2>/dev/null |\
+  awk '{print $3}'|tr -d ')' || :)
+
+ if dpkg --compare-versions "$UPSTART_VERSION_RUNNING" ge 1.9 || [
"$UPSTART_VERSION_RUNNING" = 1.8-ubuntu-full-serialization ]; then
+  # We are not running inside a chroot and the running version
+  # of Upstart supports lossless stateful re-exec, so we can
+  # restart immediately.
+  #
+  # XXX: Note that the check on the running version must
+  # remain *indefinitely* since it's the only safe way to
+  # know if stateful re-exec is supported: simply checking
+  # packaged version numbers is not sufficient since
+  # the package could be upgraded multiple times without a
+  # reboot.
+  telinit u || :
+ elif [ "$UPSTART_JOB" = "cloud-config" ]; then
+  # If upgraded by cloud-init, do not perform partial
+  # stateful re-exec, as cloud-init instance will fail
+  # to initialise.
+  touch /var/run/init.upgraded || :
+  [ -x /usr/share/update-notifier/notify-reboot-required ] && \
+      /usr/share/update-notifier/notify-reboot-required || true
+
+ elif dpkg --compare-versions "$UPSTART_VERSION_RUNNING" ge 1.6.1; then
+  # Otherwise, perform partial stateful re-exec and
+  # request a reboot.
+  telinit u || :
+  [ -x /usr/share/update-notifier/notify-reboot-required ] && \
+      /usr/share/update-notifier/notify-reboot-required || true
+ else
+  # Before we shutdown or reboot, we need to re-exec so that we
+  # can safely remount the root filesystem; we can't just do that
+  # here because we lose state.
+  touch /var/run/init.upgraded || :
+ fi
+fi
+
+# update grub on first install, so that the alternative init system boot
+# entries get updated
+if [ "$1" = configure ] && [ -z "$2" ] && [ -e /boot/grub/grub.cfg ] && which update-grub >/dev/null 2>&1; then
+    update-grub || true
+fi
+
+#DEBHELPER#
--- upstart-1.13.2.orig/debian/upstart.upstart.cron.daily
+++ upstart-1.13.2/debian/upstart.upstart.cron.daily
@@ -0,0 +1,34 @@
```

```
+#!/bin/sh
+
+# For each Upstart Session Init, emit "rotate-logs" event, requesting
+# the session Inits to rotate their logs. There is no user-daily cron.
+#
+# Doing it this way does not rely on System Upstart, nor
+# upstart-event-bridge(8) running in the Session Init.
+#
+# Note that system-level Upstart logs are handled separately using a
+# logrotate script.
+
+[ -x /sbin/initctl ] || exit 0
+
+for file in /run/user/*/upstart/sessions/*.session
+do
+    [ -f "$file" ] || continue
+    [ -h "$file" ] && continue
+
+    file_uid=$(stat -c %u "$file")
+    [ -n "$file_uid" ] || continue
+
+    session=$(grep \
+     "^UPSTART_SESSION=unix:abstract=/com/ubuntu/upstart-session/[0-9][0-9]*/[0-9][0-9]*$" \
+     "$file" 2>/dev/null || true)
+    [ -n "$session" ] || continue
+
+    session_uid=$(echo "$session" | cut -d\/ -f5)
+    [ -n "$session_uid" ] || continue
+
+    # Don't allow a user to spoof logrotation for another user.
+    [ "$file_uid" = "$session_uid" ] || continue
+
+    env -i "$session" /sbin/initctl emit rotate-logs >/dev/null 2>&1 || true
+done
--- upstart-1.13.2.orig/debian/user-conf/logrotate.conf
+++ upstart-1.13.2/debian/user-conf/logrotate.conf
@@ -0,0 +1,66 @@
+# logrotate - rotate Upstart job log files to conserve disk space.
+#
+# Currently runs automatically 1 minute after session starts (to give
+# jobs a chance to settle). However, can be run manually any time using
+# 'start logrotate' to force logs to be rotated in low-disk space
+# scenarios.
+
+description "Rotate job log files"
+
+start on startup or :sys:rotate-logs or rotate-logs
+
```

```
+task
+
+pre-start script
+
+logrotate=$(command -v logrotate 2>/dev/null || :)
+
+# logrotate is not installed
+[ -z "$logrotate" ] && exit 0
+
+# started by event, so run logrotate normally
+[ -n "$UPSTART_EVENTS" ] && exit 0
+
+# started manually, so force a rotation
+initctl set-env FORCE=--force
+
+end script
+
+script
+
+# started by event, so allow time for main jobs to settle
+[ -n "$UPSTART_EVENTS" ] && [ "$UPSTART_EVENTS" = startup ] && sleep 60
+
+statedir=${XDG_CACHE_HOME:-$HOME/.cache}/logrotate
+statefile="$statedir/status"
+
+logdir=${XDG_CACHE_HOME:-$HOME/.cache}/upstart
+
+mkdir -p "$statedir" || :
+mkdir -p "$logdir" || :
+
+# Sometimes the state file can become corrupt (probably caused by
+# logrotate updating it on shutdown). In these cases the file ends in
+# nul bytes which causes a subsequent logrotate run (even a forced run)
+# to refuse to process it meaning no files get rotated.
+#
+# Hence, if nul bytes are detected, reset the state file to allow logrotate
+# to work.
+[ -e "$statefile" ] && egrep '[^[:print:]]' "$statefile" && rm "$statefile"
+
+conf=$(mktemp)
+
+cat <<EOF >$conf
+"$logdir/*.log" {
+       hourly
+       missingok
+       rotate 7
+       compress
+       notifempty
```

```
+       nocreate
+}
+EOF
+
+logrotate $FORCE -s "$statefile" "$conf" || :
+rm -f "$conf"
+end script
--- upstart-1.13.2.orig/debian/user-conf/xsession-init.conf
+++ upstart-1.13.2/debian/user-conf/xsession-init.conf
@@ -0,0 +1,14 @@
+description "XSession handling"
+author "Stéphane Graber <stgraber@ubuntu.com>"
+
+start on startup
+emits xsession
+
+pre-start script
+    [ -z "$DESKTOP_SESSION" ] && stop || true
+    [ "$SESSIONTYPE" = "gnome-session" ] && initctl set-env --global GNOME_DESKTOP_SESSION_ID=this-is-deprecated || true
+end script
+
+script
+    exec initctl emit xsession SESSION=$DESKTOP_SESSION SESSIONTYPE=$SESSIONTYPE
+end script
--- upstart-1.13.2.orig/debian/watch
+++ upstart-1.13.2/debian/watch
@@ -0,0 +1,2 @@
+version=3
+http://upstart.ubuntu.com/download/([\d\.]+)/upstart-(.*)\.tar\.gz
--- upstart-1.13.2.orig/debian/xsession.d/00upstart
+++ upstart-1.13.2/debian/xsession.d/00upstart
@@ -0,0 +1,12 @@
+# Make ubuntu-upstart an alias for ubuntu
+if grep -q "^$DESKTOP_SESSION\$" /etc/upstart-xsessions; then
+    export XDG_CONFIG_DIRS="/usr/share/upstart/xdg:/etc/xdg"
+
+    BASESESSION=${1% *}
+    BASESESSION=${BASESESSION##*/}
+    if [ "$BASESESSION" = x-session-manager ]; then
+        BASESESSION=$(basename $(readlink /etc/alternatives/x-session-manager))
+    fi
+
+    UPSTART=1
+fi
--- upstart-1.13.2.orig/debian/xsession.d/99upstart
+++ upstart-1.13.2/debian/xsession.d/99upstart
@@ -0,0 +1,14 @@
```

```
+# Start the user session
+if [ -n "$UPSTART" ]; then
+    case "$BASESESSION" in
+        gnome-session*|gnome-flashback*)
+            export SESSIONTYPE=gnome-session
+            ;;
+        lxsession*)
+            export SESSIONTYPE=lxsession
+            ;;
+    esac
+
+    STARTUP="/sbin/upstart --user"
+    unset UPSTART
+fi
--- upstart-1.13.2.orig/extra/Makefile.am
+++ upstart-1.13.2/extra/Makefile.am
@@ -23,6 +23,7 @@
 conf-session/upstart-event-bridge.conf \
 conf-session/upstart-file-bridge.conf \
 conf-session/re-exec.conf \
+ conf-session/upstart-udev-bridge.conf \
 conf-session/upstart-dbus-session-bridge.conf \
 conf-session/upstart-dbus-system-bridge.conf

@@ -33,7 +34,6 @@

dist_init_DATA = \
 conf/upstart-socket-bridge.conf \
- conf/upstart-event-bridge.conf \
 conf/upstart-file-bridge.conf \
 conf/upstart-dbus-bridge.conf

@@ -106,8 +106,9 @@
upstart_local_bridge_SOURCES = \
 upstart-local-bridge.c
nodist_upstart_local_bridge_SOURCES = \
+ $(org_freedesktop_systemd1_OUTPUTS) \
 $(com_ubuntu_Upstart_OUTPUTS) \
- $(com_ubuntu_Upstart_Job_OUTPUTS)
+ $(control_com_ubuntu_Upstart_OUTPUTS)
upstart_local_bridge_LDADD = \
 $(LTLIBINTL) \
 $(NIH_LIBS) \
@@ -224,15 +225,50 @@
  --output=$@ $<


+org_freedesktop_systemd1_OUTPUTS = \
```

```
+ org.freedesktop.systemd1.c \
+ org.freedesktop.systemd1.h
+
+org_freedesktop_systemd1_XML = \
+ org.freedesktop.systemd1.xml
+
+$(org_freedesktop_systemd1_OUTPUTS): $(org_freedesktop_systemd1_XML)
+ $(AM_V_GEN)$(NIH_DBUS_TOOL) \
+  --package=$(PACKAGE) \
+  --mode=proxy --prefix=systemd \
+  --default-interface=org.freedesktop.systemd1.Manager \
+  --output=$@ $<
+
+# Server for upstart-local-bridge
+control_com_ubuntu_Upstart_OUTPUTS = \
+ control_com.ubuntu.Upstart.c \
+ control_com.ubuntu.Upstart.h
+
+control_com_ubuntu_Upstart_XML = \
+ com.ubuntu.Upstart.xml
+
+$(control_com_ubuntu_Upstart_OUTPUTS): $(control_com_ubuntu_Upstart_XML)
+ $(AM_V_GEN)$(NIH_DBUS_TOOL) \
+  --package=$(PACKAGE) \
+  --mode=object --prefix=control \
+  --default-interface=com.ubuntu.Upstart0_6 \
+  --output=$@ $<
+
+
+
# These have to be built sources because we can't compile object files
# without the header file existing first
BUILT_SOURCES = \
 $(com_ubuntu_Upstart_OUTPUTS) \
- $(com_ubuntu_Upstart_Job_OUTPUTS)
+ $(control_com_ubuntu_Upstart_OUTPUTS) \
+ $(com_ubuntu_Upstart_Job_OUTPUTS) \
+ $(org_freedesktop_systemd1_OUTPUTS)

CLEANFILES = \
 $(com_ubuntu_Upstart_OUTPUTS) \
- $(com_ubuntu_Upstart_Job_OUTPUTS)
+ $(control_com_ubuntu_Upstart_OUTPUTS) \
+ $(com_ubuntu_Upstart_Job_OUTPUTS) \
+ $(org_freedesktop_systemd1_OUTPUTS)


clean-local:
```

```
--- upstart-1.13.2.orig/extra/com.ubuntu.Upstart.xml
+++ upstart-1.13.2/extra/com.ubuntu.Upstart.xml
@@ -0,0 +1,29 @@
+<?xml version="1.0" encoding="UTF-8" ?>
+<!-- upstart
+
+     com.ubuntu.Upstart.xml - interface definition for manager object
+
+     Copyright © 2009 Canonical Ltd.
+     Author: Scott James Remnant <scott@netsplit.com>.
+
+     This file is free software; Canonical Ltd gives unlimited permission
+     to copy and/or distribute it, with or without modifications, as long
+     as this notice is preserved.
+
+     Communication and interaction with Upstart through this interface is
+     permitted without restriction.
+  -->
+
+<!DOCTYPE node PUBLIC
+  "-//freedesktop//DTD D-BUS Object Introspection 1.0//EN"
+  "http://www.freedesktop.org/standards/dbus/1.0/introspect.dtd">
+
+<node name="/com/ubuntu/Upstart">
+  <interface name="com.ubuntu.Upstart0_6">
+    <!-- Signal for events being emitted -->
+    <signal name="EventEmitted">
+      <arg name="name" type="s" />
+      <arg name="env" type="as" />
+    </signal>
+  </interface>
+</node>
--- upstart-1.13.2.orig/extra/conf-session/upstart-udev-bridge.conf
+++ upstart-1.13.2/extra/conf-session/upstart-udev-bridge.conf
@@ -0,0 +1,22 @@
+# upstart-udev-bridge - Bridge udev events into session upstart
+#
+# This helper daemon receives udev events from the netlink socket and
+# emits equivalent Upstart events.
+
+description "Bridge udev events into upstart"
+
+# From upstart-udev-bridge itself
+emits *-device-added
+emits *-device-removed
+emits *-device-changed
+# From http://www.kernel.org/pub/linux/utils/kernel/hotplug/libudev/libudev-udev-device.html
+emits *-device-online
```

```
+emits *-device-offline
+
+start on startup
+stop on desktop-end
+
+expect daemon
+respawn
+
+exec upstart-udev-bridge --daemon --user
--- upstart-1.13.2.orig/extra/org.freedesktop.systemd1.xml
+++ upstart-1.13.2/extra/org.freedesktop.systemd1.xml
@@ -0,0 +1,19 @@
+<?xml version="1.0" encoding="UTF-8" ?>
+<!--
+     org.freedesktop.systemd1- interface definition for systemd manager object
+
+     Public Domain
+
+     Generated file using gdbus introspect call against systemd1 instance
+  -->
+<!DOCTYPE node PUBLIC "-//freedesktop//DTD D-BUS Object Introspection 1.0//EN"
+"http://www.freedesktop.org/standards/dbus/1.0/introspect.dtd">
+<node>
+ <interface name="org.freedesktop.systemd1.Manager">
+  <method name="StartUnit">
+   <arg name="name" type="s" direction="in"/>
+   <arg name="mode" type="s" direction="in"/>
+   <arg name="job" type="o" direction="out"/>
+  </method>
+ </interface>
+</node>
--- upstart-1.13.2.orig/extra/upstart-event-bridge.c
+++ upstart-1.13.2/extra/upstart-event-bridge.c
@@ -26,6 +26,9 @@
#include <stdlib.h>
#include <string.h>
#include <ctype.h>
+#include <sys/types.h>
+#include <sys/stat.h>
+#include <unistd.h>

#include <nih/macros.h>
#include <nih/alloc.h>
@@ -42,8 +45,10 @@
#include "dbus/upstart.h"
#include "com.ubuntu.Upstart.h"

+#define DBUS_ADDRESS_LOCAL "unix:abstract=/com/ubuntu/upstart/local/bridge"
```

```
/* Prototypes for static functions */
+static int  systemd_booted       (void);
static void upstart_disconnected (DBusConnection *connection);
static void upstart_forward_event    (void *data, NihDBusMessage *message,
     const char *path);
@@ -60,6 +65,14 @@
static int daemonise = FALSE;

/**
+ * local:
+ *
+ * Set to TRUE if we should connect to upstart-local-bridge instead of
+ * the system init.
+ **/
+static int local = FALSE;
+
+/**
 * system_upstart:
 *
 * Proxy to system Upstart daemon.
@@ -119,9 +132,14 @@
  exit (1);
 }

- /* Initialise the connection to system Upstart */
- system_connection = NIH_SHOULD (nih_dbus_bus (DBUS_BUS_SYSTEM, upstart_disconnected));
+ local = systemd_booted ();

+ /* Initialise the connection to system Upstart */
+ if (local) {
+  system_connection = NIH_SHOULD (nih_dbus_connect (DBUS_ADDRESS_LOCAL, upstart_disconnected));
+ } else {
+  system_connection = NIH_SHOULD (nih_dbus_bus (DBUS_BUS_SYSTEM, upstart_disconnected));
+ }
 if (! system_connection) {
  NihError *err;

@@ -134,7 +152,7 @@
 }

 system_upstart = NIH_SHOULD (nih_dbus_proxy_new (NULL, system_connection,
-        DBUS_SERVICE_UPSTART, DBUS_PATH_UPSTART,
+         NULL, DBUS_PATH_UPSTART,
        NULL, NULL));
 if (! system_upstart) {
  NihError *err;
@@ -259,6 +277,20 @@
```

```
 return ret;
}

+static int
+systemd_booted (void)
+{
+ struct stat st;
+
+ if (lstat ("/run/systemd/system/", &st) == 0) {
+  if (S_ISDIR(st.st_mode)) {
+   return TRUE;
+  }
+ }
+
+ return FALSE;
+}
+
static void
upstart_disconnected (DBusConnection *connection)
{
@@ -293,7 +325,11 @@
 nih_assert (event_name != NULL);

 /* Build the new event name */
- NIH_MUST (nih_strcat_sprintf (&new_event_name, NULL, ":sys:%s", event_name));
+ if (local) {
+  new_event_name = NIH_MUST (nih_strdup (NULL, event_name));
+ } else {
+  new_event_name = NIH_MUST (nih_sprintf (NULL, ":sys:%s", event_name));
+ }

 /* Re-transmit the event */
 pending_call = upstart_emit_event (user_upstart,
--- upstart-1.13.2.orig/extra/upstart-local-bridge.c
+++ upstart-1.13.2/extra/upstart-local-bridge.c
@@ -22,10 +22,14 @@
#endif /* HAVE_CONFIG_H */

#include <sys/types.h>
+#include <sys/stat.h>
#include <sys/socket.h>
#include <sys/un.h>
+#include <sys/types.h>
+#include <sys/wait.h>

#include <errno.h>
+#include <stdio.h>
#include <stdlib.h>
```

```
#include <string.h>
#include <syslog.h>
@@ -45,24 +49,17 @@

#include <nih-dbus/dbus_connection.h>
#include <nih-dbus/dbus_proxy.h>
+#include <nih-dbus/dbus_object.h>

#include "dbus/upstart.h"
#include "com.ubuntu.Upstart.h"
-#include "com.ubuntu.Upstart.Job.h"
+#include "org.freedesktop.systemd1.h"
+#include "control_com.ubuntu.Upstart.h"

-/**
- * Job:
- *
- * @entry: list header,
- * @path: D-Bus path for a job.
- *
- * Representation of an Upstart Job.
- *
- **/
-typedef struct job {
- NihList entry;
- char *path;
-} Job;
+#define DBUS_ADDRESS_SYSTEMD "unix:path=/run/systemd/private"
+#define DBUS_PATH_SYSTEMD "/org/freedesktop/systemd1"
+#define DBUS_SERVICE_SYSTEMD "org.freedesktop.systemd1"
+#define DBUS_ADDRESS_LOCAL "unix:abstract=/com/ubuntu/upstart/local/bridge"

/**
 * Socket:
@@ -100,12 +97,14 @@
 struct ucred   ucred;
} ClientConnection;

-static void upstart_job_added    (void *data, NihDBusMessage *message,
-      const char *job);
-static void upstart_job_removed  (void *data, NihDBusMessage *message,
-      const char *job);
static void upstart_connect      (void);
-static void upstart_disconnected (DBusConnection *connection);
+static void systemd_connect      (void);
+static int  systemd_booted       (void);
+static int  control_server_open  (void);
+static int  control_server_connect (DBusServer *server,
```

```
+       DBusConnection *conn);
+static void control_disconnected   (DBusConnection *conn);
+static void init_disconnected (DBusConnection *connection);

static Socket *create_socket (void *parent);

@@ -121,6 +120,8 @@

static void emit_event (ClientConnection *client, const char *pair, size_t len);

+static void process_event (ClientConnection *client, const char *pair, size_t len);
+
static void signal_handler (void *data, NihSignal *signal);

static void cleanup (void);
@@ -134,23 +135,39 @@
static int daemonise = FALSE;

/**
- * jobs:
+ * upstart:
 *
- * Jobs that we're monitoring.
+ * Proxy to Upstart daemon.
 **/
-static NihHash *jobs = NULL;
+static NihDBusProxy *upstart = NULL;

/**
- * upstart:
+ * systemd:
 *
- * Proxy to Upstart daemon.
+ * Proxy to systemd daemon.
 **/
-static NihDBusProxy *upstart = NULL;
+static NihDBusProxy *systemd = NULL;
+
+/**
+ * control_server
+ *
+ * D-Bus server listening for new direct connections.
+ **/
+DBusServer *control_server = NULL;
+
+/**
+ * control_conns:
+ *
```

```
+ * Open control connections, including the connection to a D-Bus
+ * bus and any private client connections.
+ **/
+NihList *control_conns = NULL;

/**
 * event_name:
 *
- * Name of event this bridge emits.
+ * upstart: Name of event this bridge emits.
+ * systmed: Name of target this generator creates.
 **/
static char *event_name = NULL;

@@ -202,7 +219,7 @@
 { 0, "daemon", N_("Detach and run in the background"),
   NULL, NULL, &daemonise, NULL },

- { 0, "event", N_("specify name of event to emit on receipt of name=value pair"),
+ { 0, "event", N_("specify name of event to emit / target to generate on receipt of name=value pair"),
   NULL, "EVENT", &event_name, NULL },

 { 0, "any-user", N_("allow any user to connect"),
@@ -258,7 +275,7 @@

 nih_main_init (argv[0]);

- nih_option_set_synopsis (_("Local socket Upstart Bridge"));
+ nih_option_set_synopsis (_("Local socket Upstart Bridge & systemd generator"));
 nih_option_set_help (
   _("By default, this bridge does not detach from the "
     "console and remains in the foreground.  Use the --daemon "
@@ -273,9 +290,6 @@
   exit (1);
 }

- /* Allocate jobs hash table */
- jobs = NIH_MUST (nih_hash_string_new (NULL, 0));
-
 sock = create_socket (NULL);
 if (! sock) {
   nih_fatal ("%s %s",
@@ -286,7 +300,26 @@

 nih_debug ("Connected to socket '%s' on fd %d", socket_name, sock->sock);

- upstart_connect ();
+ if (systemd_booted() == TRUE) {
```

```
+  systemd_connect ();
+ } else {
+  upstart_connect ();
+ }
+
+ control_conns = NIH_MUST (nih_list_new (NULL));
+
+       while ((ret = control_server_open ()) < 0) {
+  NihError *err;
+
+               err = nih_error_get ();
+               if (err->number != ENOMEM) {
+                       nih_warn ("%s: %s", _("Unable to listen for private"
+           "connections"), err->message);
+                       nih_free (err);
+   break;
+               }
+               nih_free (err);
+       }

 /* Become daemon */
 if (daemonise) {
@@ -326,103 +359,14 @@
 return ret;
 }

-static void
-upstart_job_added (void            *data,
-     NihDBusMessage  *message,
-     const char      *job_class_path)
-{
- nih_local NihDBusProxy *job_class = NULL;
- nih_local char ***start_on = NULL;
- nih_local char ***stop_on = NULL;
- Job *job;
-
- nih_assert (job_class_path != NULL);
-
- /* Obtain a proxy to the job */
- job_class = nih_dbus_proxy_new (NULL, upstart->connection,
-     upstart->name, job_class_path,
-     NULL, NULL);
- if (! job_class) {
-  NihError *err;
-
-  err = nih_error_get ();
-  nih_error ("Could not create proxy for job %s: %s",
-      job_class_path, err->message);
```

```
-  nih_free (err);
-
-  return;
- }
-
- job_class->auto_start = FALSE;
-
- /* Obtain the start_on and stop_on properties of the job */
- if (job_class_get_start_on_sync (NULL, job_class, &start_on) < 0) {
-  NihError *err;
-
-  err = nih_error_get ();
-  nih_error ("Could not obtain job start condition %s: %s",
-     job_class_path, err->message);
-  nih_free (err);
-
-  return;
- }
-
- if (job_class_get_stop_on_sync (NULL, job_class, &stop_on) < 0) {
-  NihError *err;
-
-  err = nih_error_get ();
-  nih_error ("Could not obtain job stop condition %s: %s",
-     job_class_path, err->message);
-  nih_free (err);
-
-  return;
- }
-
- /* Free any existing record for the job (should never happen,
-  * but worth being safe).
-  */
- job = (Job *)nih_hash_lookup (jobs, job_class_path);
- if (job)
-  nih_free (job);
-
- /* Create new record for the job */
- job = NIH_MUST (nih_new (NULL, Job));
- job->path = NIH_MUST (nih_strdup (job, job_class_path));
-
- nih_list_init (&job->entry);
-
- nih_debug ("Job got added %s", job_class_path);
-
- nih_alloc_set_destructor (job, nih_list_destroy);
-
- /* Add all jobs */
```

```
- nih_hash_add (jobs, &job->entry);
-}
-
-static void
-upstart_job_removed (void            *data,
-       NihDBusMessage  *message,
-       const char      *job_path)
-{
- Job *job;
-
- nih_assert (job_path != NULL);
-
- job = (Job *)nih_hash_lookup (jobs, job_path);
- if (job) {
-  nih_debug ("Job went away %s", job_path);
-  nih_free (job);
- }
-}

static void
upstart_connect (void)
{
 DBusConnection    *connection;
- char            **job_class_paths;

 /* Initialise the connection to Upstart */
- connection = NIH_SHOULD (nih_dbus_connect (DBUS_ADDRESS_UPSTART, upstart_disconnected));
+ connection = NIH_SHOULD (nih_dbus_connect (DBUS_ADDRESS_UPSTART, init_disconnected));
 if (! connection) {
  NihError *err;

@@ -449,59 +393,169 @@
 }

 nih_debug ("Connected to Upstart");
+}

- /* Connect signals to be notified when jobs come and go */
- if (! nih_dbus_proxy_connect (upstart, &upstart_com_ubuntu_Upstart0_6, "JobAdded",
-         (NihDBusSignalHandler)upstart_job_added, NULL)) {
+static void
+systemd_connect (void)
+{
+ DBusConnection    *connection;
+
+ /* Initialise the connection to systemd */
+ /* /run/systemd/private is supposedly "private" end-point
+  * which systemctl & libsystemd use */
```

```
+ connection = NIH_SHOULD (nih_dbus_connect (DBUS_ADDRESS_SYSTEMD, init_disconnected));
+ if (! connection) {
  NihError *err;

  err = nih_error_get ();
-  nih_fatal ("%s: %s", _("Could not create JobAdded signal connection"),
+  nih_fatal ("%s: %s", _("Could not connect to systemd"),
      err->message);
  nih_free (err);

  exit (1);
 }

- if (! nih_dbus_proxy_connect (upstart, &upstart_com_ubuntu_Upstart0_6, "JobRemoved",
-          (NihDBusSignalHandler)upstart_job_removed, NULL)) {
+ systemd = NIH_SHOULD (nih_dbus_proxy_new (NULL, connection,
+         NULL, DBUS_PATH_SYSTEMD,
+         NULL, NULL));
+ if (! systemd) {
  NihError *err;

  err = nih_error_get ();
-  nih_fatal ("%s: %s", _("Could not create JobRemoved signal connection"),
+  nih_fatal ("%s: %s", _("Could not create systemd proxy"),
      err->message);
  nih_free (err);

  exit (1);
 }

- /* Request a list of all current jobs */
- if (upstart_get_all_jobs_sync (NULL, upstart, &job_class_paths) < 0) {
-  NihError *err;
-
-  err = nih_error_get ();
-  nih_fatal ("%s: %s", _("Could not obtain job list"),
-       err->message);
-  nih_free (err);
-
+ FILE *fp = NULL;
+ nih_local char *template_name = NULL;
+
+ template_name = NIH_MUST (nih_sprintf (NULL, "/run/systemd/system/%s@.target", event_name));
+
+ fp = NIH_SHOULD (fopen(template_name, "we"));
+ if (!fp) {
+  nih_fatal ("%s %s", _("Failed to create target template"),
+      strerror (errno));
```

```
  exit (1);
 }
+ fprintf (fp,
+  "# Automatically generated by %s\n\n"
+  "[Unit]\n"
+  "Description=Local bridge key value pairs\n"
+  "Documentation=man:%s\n",
+  program_name, program_name);
+ fflush (fp);
+ if (ferror (fp)) {
+  nih_fatal ("%s %s", _("Failed to write target template"),
+      strerror (errno));
+  exit (1);
+ }
+ fclose (fp);

- for (char **job_class_path = job_class_paths;
-      job_class_path && *job_class_path; job_class_path++)
-  upstart_job_added (NULL, NULL, *job_class_path);
+ nih_debug ("Connected to systemd");
+}
+
+static int
+systemd_booted (void)
+{
+ struct stat st;

- nih_free (job_class_paths);
+ if (lstat ("/run/systemd/system/", &st) == 0) {
+  if (S_ISDIR(st.st_mode)) {
+   return TRUE;
+  }
+ }
+
+ return FALSE;
}

static void
-upstart_disconnected (DBusConnection *connection)
+init_disconnected (DBusConnection *connection)
{
- nih_fatal (_("Disconnected from Upstart"));
+ nih_fatal (_("Disconnected from init"));
 nih_main_loop_exit (1);
}

/**
+ * control_server_open:
```

```
+ *
+ * Open a listening D-Bus server and store it in the control_server global.
+ * New connections are permitted from the root user, and handled
+ * automatically in the main loop.
+ *
+ * Returns: zero on success, negative value on raised error.
+ **/
+
+int
+control_server_open (void)
+{
+ nih_assert (control_server == NULL);
+
+ control_server = nih_dbus_server (DBUS_ADDRESS_LOCAL,
+      control_server_connect,
+      control_disconnected);
+ if (! control_server)
+  return -1;
+
+ nih_debug("D-Bus server started at address: %s", DBUS_ADDRESS_LOCAL);
+
+ return 0;
+}
+
+/**
+ * control_server_connect:
+ *
+ * Called when a new client connects to our server and is used to register
+ * objects on the new connection.
+ *
+ * Returns: always TRUE.
+ **/
+static int
+control_server_connect (DBusServer     *server,
+   DBusConnection *conn)
+{
+ nih_assert (server != NULL);
+ nih_assert (server == control_server);
+ nih_assert (conn != NULL);
+ NihListEntry *entry = NULL;
+
+ /* Register objects on the connection. */
+ NIH_MUST (nih_dbus_object_new (NULL, conn, DBUS_PATH_UPSTART,
+          control_interfaces, NULL));
+
+
+ entry = NIH_MUST (nih_list_entry_new (NULL));
+ entry->data = conn;
```

```
+ nih_list_add (control_conns, &entry->entry);
+ nih_debug("Connection from private client");
+
+ return TRUE;
+}
+
+/**
+ * control_disconnected:
+ *
+ * This function is called when the connection to the D-Bus system bus,
+ * or a client connection to our D-Bus server, is dropped and our reference
+ * is about to be list.  We clear the connection from our current list
+ * and drop the control_bus global if relevant.
+ **/
+static void
+control_disconnected (DBusConnection *conn)
+{
+ nih_assert (conn != NULL);
+       /* Remove from the connections list */
+       NIH_LIST_FOREACH_SAFE (control_conns, iter) {
+               NihListEntry *entry = (NihListEntry *)iter;
+
+               if (entry->data == conn)
+                       nih_free (entry);
+       }
+}
+
+/**
 * socket_watcher:
 *
 * @sock: Socket,
@@ -645,7 +699,7 @@
  if (used_len < min_len)
   continue;

-  emit_event (client, pair, used_len);
+  process_event (client, pair, used_len);
 }

 /* Consume the entire length */
@@ -724,6 +778,8 @@
 /* Handle abstract names */
 if (sock->sun_addr.sun_path[0] == '@')
  sock->sun_addr.sun_path[0] = '\0';
+ else
+  (void) unlink(sock->sun_addr.sun_path);

 sock->sock = socket (sock->addr.sa_family, SOCK_STREAM, 0);
```

```
 if (sock->sock < 0) {
@@ -830,17 +886,102 @@
 /* Add the name=value pair */
 NIH_MUST (nih_str_array_addn (&env, NULL, NULL, pair, len));

- pending_call = upstart_emit_event (upstart,
-   event_name, env, FALSE,
-   NULL, emit_event_error, NULL,
-   NIH_DBUS_TIMEOUT_NEVER);
+ if (upstart) {
+  pending_call = upstart_emit_event (upstart,
+         event_name, env, FALSE,
+         NULL, emit_event_error, NULL,
+         NIH_DBUS_TIMEOUT_NEVER);
+
+  if (! pending_call) {
+   NihError *err;
+   err = nih_error_get ();
+   nih_warn ("%s", err->message);
+   nih_free (err);
+  }
+
+  dbus_pending_call_unref (pending_call);
+ }
+
+ NIH_LIST_FOREACH (control_conns, iter) {
+  NihListEntry   *entry = (NihListEntry *)iter;
+  DBusConnection *conn = (DBusConnection *)entry->data;
+
+  NIH_ZERO (control_emit_event_emitted (conn, DBUS_PATH_UPSTART,
+           event_name, env));
+ }

- if (! pending_call) {
+}
+
+static void
+systemd_launch_instance (ClientConnection  *client,
+     const char        *pair,
+     size_t             len)
+{
+ nih_local char     *safe_pair = NULL;
+ nih_local char    **key_value = NULL;
+ nih_local char     *group_name = NULL;
+ nih_local char     *unit_name = NULL;
+ nih_local char     *job_name = NULL;
+
+ nih_assert  (client);
```

```
+ nih_assert  (pair);
+ nih_assert  (len);
+
+ /* Why is pair not null-terminated?! */
+ safe_pair = NIH_MUST (nih_strndup (NULL, pair, len));
+
+ /* Get key val from the key=val pair */
+ key_value = NIH_MUST (nih_str_split (NULL, safe_pair, "=", TRUE));
+
+ /* Construct systemd event@key=*.target group name */
+ group_name = NIH_MUST (nih_sprintf (NULL, "%s@%s=*.target",
+         event_name, key_value[0]));
+
+ /* Construct systemd event@key=value.target unit name */
+ unit_name = NIH_MUST (nih_sprintf (NULL, "%s@%s\\x3d%s.target",
+        event_name, key_value[0],
+        key_value[1]));
+
+ /* Stop group */
+ int pid = -1;
+ siginfo_t info;
+ do {
+  pid = fork ();
+ } while (pid < 0);
+
+ if (pid) {
+  info.si_code = 0;
+  info.si_status = 0;
+  if (waitid (P_PID, pid, &info, WEXITED)) {
+   nih_fatal ("%s %s", _("Failed to wait for systemctl"),
+       strerror (errno));
+  }
+               if (info.si_code != CLD_EXITED || info.si_status) {
+                       nih_fatal ("Bad systemctl exit code %i and status %i\n", info.si_code, info.si_status);
+               }
+ } else {
+  /* Create and submit stop state transition, do not wait to complete */
+  execlp ("systemctl", "systemctl", "--no-block", "stop", group_name, (char *)NULL);
+ }
+
+ /* Create and submit start state transition, do not wait to complete */
+ if (systemd_start_unit_sync (NULL, systemd, unit_name, "replace", &job_name)) {
  NihError *err;
  err = nih_error_get ();
  nih_warn ("%s", err->message);
  nih_free (err);
 }
+}
```

```
+

- dbus_pending_call_unref (pending_call);
+static void
+process_event (ClientConnection  *client,
+     const char        *pair,
+     size_t             len)
+{
+ emit_event (client, pair, len);
+
+ if (systemd) {
+  systemd_launch_instance (client, pair, len);
+ }
}
--- upstart-1.13.2.orig/extra/upstart-udev-bridge.c
+++ upstart-1.13.2/extra/upstart-udev-bridge.c
@@ -69,6 +69,15 @@
static NihDBusProxy *upstart = NULL;

/**
+ * user:
+ *
+ * If TRUE, run in User Session mode connecting to the Session Init
+ * rather than PID 1. In this mode, certain relative paths are also
+ * expanded.
+ **/
+static int user = FALSE;
+
+/**
 * no_strip_udev_data:
 *
 * If TRUE, do not modify any udev message data (old behaviour).
@@ -86,6 +95,8 @@
   NULL, NULL, &daemonise, NULL },
 { 0, "no-strip", N_("Do not strip non-printable bytes from udev message data"),
   NULL, NULL, &no_strip_udev_data, NULL },
+ { 0, "user", N_("Connect to user session"),
+   NULL, NULL, &user, NULL },

 NIH_OPTION_LAST
};
@@ -97,6 +108,11 @@
{
 char **             args;
 DBusConnection *    connection;
+ char *             pidfile_path = NULL;
+ char *             pidfile = NULL;
+ char              *user_session_addr = NULL;
```

```
+ nih_local char **    user_session_path = NULL;
+ char *               path_element = NULL;
 struct udev *        udev;
 struct udev_monitor *udev_monitor;
 int                  ret;
@@ -113,8 +129,19 @@
 if (! args)
  exit (1);

+ if (user) {
+  user_session_addr = getenv ("UPSTART_SESSION");
+  if (! user_session_addr) {
+   nih_fatal (_("UPSTART_SESSION isn't set in environment"));
+   exit (EXIT_FAILURE);
+  }
+ }
+
 /* Initialise the connection to Upstart */
- connection = NIH_SHOULD (nih_dbus_connect (DBUS_ADDRESS_UPSTART, upstart_disconnected));
+ connection = NIH_SHOULD (nih_dbus_connect (user
+    ? user_session_addr
+    : DBUS_ADDRESS_UPSTART,
+    upstart_disconnected));
 if (! connection) {
  NihError *err;

@@ -153,6 +180,35 @@

 /* Become daemon */
 if (daemonise) {
+  /* Deal with the pidfile location when becoming a daemon.
+   * We need to be able to run one bridge per upstart daemon.
+   * Store the PID file in XDG_RUNTIME_DIR or HOME and include the pid of
+   * the Upstart instance (last part of the DBus path) in the filename.
+   */
+
+  if (user) {
+   /* Extract PID from UPSTART_SESSION */
+   user_session_path = nih_str_split (NULL, user_session_addr, "/", TRUE);
+
+   for (int i = 0; user_session_path && user_session_path[i]; i++)
+    path_element = user_session_path[i];
+
+   if (! path_element) {
+    nih_fatal (_("Invalid value for UPSTART_SESSION"));
+    exit (1);
+   }
+
```

```
+   pidfile_path = getenv ("XDG_RUNTIME_DIR");
+   if (!pidfile_path)
+    pidfile_path = getenv ("HOME");
+
+   if (pidfile_path) {
+    NIH_MUST (nih_strcat_sprintf (&pidfile, NULL, "%s/%s.%s.pid",
+              pidfile_path, program_invocation_short_name, path_element));
+    nih_main_set_pidfile (pidfile);
+   }
+  }
+
  if (nih_main_daemonise () < 0) {
   NihError *err;

@@ -163,10 +219,12 @@

   exit (1);
  }
-
-  /* Send all logging output to syslog */
-  openlog (program_name, LOG_PID, LOG_DAEMON);
-  nih_log_set_logger (nih_logger_syslog);
+
+  if (!user) {
+   /* Send all logging output to syslog for system bridge */
+   openlog (program_name, LOG_PID, LOG_DAEMON);
+   nih_log_set_logger (nih_logger_syslog);
+  }
 }

 /* Handle TERM and INT signals gracefully */
--- upstart-1.13.2.orig/init/Makefile.am
+++ upstart-1.13.2/init/Makefile.am
@@ -8,6 +8,7 @@
 $(NIH_CFLAGS) \
 $(NIH_DBUS_CFLAGS) \
 $(DBUS_CFLAGS) \
+ $(SELINUX_CFLAGS) \
 $(JSON_CFLAGS) \
 $(CGMANAGER_CFLAGS)
AM_LIBADD = $(CGMANAGER_LIBS) $(NIH_LIBS) $(NIH_DBUS_LIBS)
@@ -73,6 +74,7 @@
 $(NIH_LIBS) \
 $(NIH_DBUS_LIBS) \
 $(DBUS_LIBS) \
+ $(SELINUX_LIBS) \
 $(JSON_LIBS) \
 $(CGMANAGER_LIBS) \
```

```
 -lrt
@@ -204,6 +206,7 @@

test_conf_preload.sh$(EXEEXT): tests/test_conf_preload.sh.in Makefile test_conf
 sed -e 's|[@]abs_builddir[@]|$(abs_builddir)|g' \
+     -e 's|[@]top_builddir[@]|$(top_builddir)|g' \
     -e 's|[@]inotify_preload_library[@]|$(check_LTLIBRARIES)|g' \
     $< > $@
 chmod +x $@
--- upstart-1.13.2.orig/init/apparmor.c
+++ upstart-1.13.2/init/apparmor.c
@@ -111,6 +111,18 @@
  return FALSE;
 }

+ /* Do not load if running in a container.
+  * This is a distro-specific patch.
+  */
+ if (stat ("/run/container_type", &statbuf) == 0)
+  return FALSE;
+
+ /* Do not load if running in a Ubuntu live CD.
+  * This is a distro-specific patch.
+  */
+ if (stat ("/rofs/etc/apparmor.d", &statbuf) == 0)
+  return FALSE;
+
 return TRUE;
}

--- upstart-1.13.2.orig/init/job_process.c
+++ upstart-1.13.2/init/job_process.c
@@ -2,7 +2,7 @@
 *
 * job_process.c - job process handling
 *
- * Copyright © 2011 Canonical Ltd.
+ * Copyright  2011 Canonical Ltd.
 * Author: Scott James Remnant <scott@netsplit.com>.
 *
 * This program is free software; you can redistribute it and/or modify
@@ -1766,10 +1766,18 @@
  /* We should always fail the job if the security profile
   * failed to load
   */
+
+  /* Disabled for now to emulate current Ubuntu behaviour
+   * in /lib/init/apparmor-profile-load to work around bug
```

```
+   * LP: #1058356
+
  if (status) {
   failed = TRUE;
   stop = TRUE;
  }
+
+   */
+
  break;
 case PROCESS_PRE_START:
  nih_assert (job->state == JOB_PRE_START);
--- upstart-1.13.2.orig/init/man/init.5
+++ upstart-1.13.2/init/man/init.5
@@ -1420,4 +1420,5 @@
.BR initctl (8),
.BR prctl (2),
.BR pty (7),
-.BR sh (1).
+.BR sh (1),
+.BR upstart-events (7).
--- upstart-1.13.2.orig/init/tests/test_conf_preload.sh.in
+++ upstart-1.13.2/init/tests/test_conf_preload.sh.in
@@ -33,6 +33,9 @@

build_dir="@abs_builddir@"
test_path="$build_dir/$test_name"
+libtool="@top_builddir@/libtool"
+
+[ -e "$libtool" ] || die "cannot find generated libtool binary"

preload_library="$build_dir/@inotify_preload_library@"

@@ -44,7 +47,7 @@
# Install the preload library to a temporary location since we need the
# full path to the shared library for LD_PRELOAD.
install_dir=$(mktemp -d --tmpdir="$builddir")
-libtool --mode=install install \
+"$libtool" --mode=install install \
    "$preload_library" "$install_dir" >/dev/null 2>&1

installed_lib=$(basename "$preload_library")
@@ -60,5 +63,5 @@
LD_PRELOAD=$installed_so $test_path

# clean up
-libtool --mode=uninstall \
+"$libtool" --mode=uninstall \
```

```
    rm "$install_dir/$installed_lib" >/dev/null 2>&1
--- upstart-1.13.2.orig/init/tests/test_job_process.c
+++ upstart-1.13.2/init/tests/test_job_process.c
@@ -8231,6 +8231,7 @@
 class->expect = EXPECT_STOP;

 TEST_ALLOC_FAIL {
+  pid_t tmp_pid;
   TEST_ALLOC_SAFE {
    job = job_new (class, "");

@@ -8244,7 +8245,10 @@
    exit (0);
   }

-  assert0 (waitid (P_PID, pid, &info, WSTOPPED | WNOWAIT));
+  tmp_pid = waitid (P_PID, pid, &info, WSTOPPED | WNOWAIT);
+  if (tmp_pid < 0)
+    printf("waitid failed: %m");
+  assert0 (tmp_pid);

   job->goal = JOB_START;
   job->state = JOB_SPAWNED;
--- upstart-1.13.2.orig/util/telinit.c
+++ upstart-1.13.2/util/telinit.c
@@ -160,27 +160,73 @@
int
restart_upstart (void)
{
- nih_local NihDBusProxy *upstart = NULL;
- DBusPendingCall        *ret;
+ nih_local NihDBusProxy  *upstart = NULL;
+ NihError                *err;
+ int                      ret;

 upstart = upstart_open (NULL);
 if (! upstart)
  return -1;

- /* Fire and forget:
+ /* Ask Upstart to restart itself.
  *
-  * Ask Upstart to restart itself using the async interface to
-  * avoid the client-side complaining if and when it detects that
-  * Upstart has severed all connections to perform the re-exec.
+  * Since it is not possible to serialise a D-Bus connection,
+  * Upstart is forced to sever all D-Bus client connections,
+  * including this one.
```

```
+  *
+  * Further, since the user expects telinit to block _until the
+  * re-exec has finished and Upstart is accepting connections
+  * once again_, the only solution is to wait for the forced
+  * disconnect, then poll until it is possible to create a new
+  * connection.
+  *
+  * Note that we don't (can't) care about the return code since
+  * it's not reliable:
+  *
+  * - either the re-exec request completed and D-Bus returned zero
+  *   before Upstart started the re-exec.
+  *
+  * - or the re-exec request completed but upstart started the
+  *   re-exec (severing all D-Bus connections) before D-Bus got a
+  *   chance to finish cleanly meaning we receive a return of -1.
+  *
+  * We cannot know exactly what happened so have to allow for
+  * both scenarios. Note the implicit assumption that the re-exec
+  * request itself was accepted. If this assumption is incorrect
+  * (should not be possible), the worst case scenario is that
+  * upstart does not re-exec and then we quickly drop out of the
+  * reconnect block since it never went offline.
   */
- ret = upstart_restart (upstart, NULL, NULL, NULL, 0);
- dbus_connection_flush(upstart->connection);
+ ret = upstart_restart_sync (NULL, upstart);
+
+ if (ret < 0) {
+  err = nih_error_get ();
+  nih_free (err);
+ }

- /* We don't care about the return code, but we have to keep
-  * the compiler happy.
+ nih_free (upstart);
+
+ nih_debug ("Waiting for upstart to finish re-exec");
+
+ /* We believe Upstart is now in the process of
+  * re-exec'ing so attempt forever to reconnect.
+  *
+  * This sounds dangerous but there is no other option,
+  * and a connection must be possible unless the system
+  * is completely broken.
   */
- if (ret != (DBusPendingCall *)TRUE)
-  return 0;
```

```
+ while (TRUE) {
+
+  upstart = upstart_open (NULL);
+  if (upstart)
+   break;
+
+  err = nih_error_get ();
+  nih_free (err);
+
+  /* Avoid DoS'ing the system whilst we wait */
+  usleep (100000);
+ }

 return 0;
}
```

Found in path(s):
* /opt/cola/permits/1583231194_1678818573.9823563/0/upstart-1-13-2-0ubuntu13-diff-1-gz/upstart_1.13.2-0ubuntu13.diff-1

1.8 pcre 8.35

1.8.1 Available under license :

PCRE LICENCE

PCRE is a library of functions to support regular expressions whose syntax
and semantics are as close as possible to those of the Perl 5 language.

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The basic library functions are written in C and are freestanding. Also
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just-in-time compiler that can be used to optimize pattern matching. These
are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

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1.9 bluez 4.101

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1.14 six 1.12.0-1.ph3

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1.15 paramiko 1.14.3

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1.16 diffutils 3.3

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Julian Seward, Cambridge, UK.
jseward@acm.org
bzip2/libbzip2 version 1.0.2 of 30 December 2001

```
/*
  minibz2
    libbz2.dll test program.
    by Yoshioka Tsuneo (tsuneo@rr.iij4u.or.jp)
    This file is Public Domain.  Welcome any email to me.
```

usage: minibz2 [-d] [-{1,2,..9}] [[srcfilename] destfilename]
*/
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1.20 openconfig-gnmi 0.0.0-20210914185457-51254b657b7d

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1.21 rpm 5.4.14

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1.28 curl 7.30.0

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==========

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axTLS http://axtls.sourceforge.net/

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c-ares http://daniel.haxx.se/projects/c-ares/license.html

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib http://www.gzip.org/zlib/zlib_license.html

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

krb4

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MIT Kerberos http://web.mit.edu/kerberos/www/dist/

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fbopenssl

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1.29 dmidecode 3.5

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1.30 golang 1.4.2

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1.31 shadow 0.1

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1.32 openssl 1.1.1q

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The End

1.33 xz 5.2.2

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==========

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1.35 p4lang-p4runtime 1.4.0-rc.5

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1.36 openconfig-ygot 0.25.7

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1.37 zlib 1.2.11

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1.38 dhcp 4.3.0

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
 derived form the ones in the Monotone project, revision
 3a0982da308228d796df35f98d787c5cff2bb5b6.

 Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
 These files were derived from the file_handle, systembuf, pipe and pistream
 classes and tests found in the Boost.Process library.

 Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
 admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
 except the first one, were first implemented in the Buildtool project.
 They were later adapted to be part of Boost.Process and, during that
 process, the shell script was created.

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==========

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<!-- $Id: copyright.xsl,v 1.8 2009/07/10 23:47:58 tbox Exp $ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">

 <xsl:template name="isc.copyright.format">
   <xsl:param name="text"/>
   <xsl:value-of select="$isc.copyright.leader"/>

```
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
 </xsl:template>

 <xsl:variable name="isc.copyright.text">
  <xsl:text>
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  </xsl:text>
 </xsl:variable>

 <xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
 <xsl:for-each select="/refentry/docinfo/copyright | /book/bookinfo/copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
    <xsl:with-param name="years" select="year"/>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="holder"/>
  <xsl:text>&#10;</xsl:text>
 </xsl:for-each>
 <xsl:value-of select="$isc.copyright.text"/>
    </xsl:with-param>
  </xsl:call-template>
 </xsl:variable>

</xsl:stylesheet>

<!--
 - Local variables:
```

- mode: sgml
- End:
-->
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1.39 zeromq 4.2.5

1.39.1 Available under license :

wepoll - epoll for Windows
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1.41 libtirpc 0.2.5

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

---
abstract: 'Build and install Perl modules'

author:
 - 'Ken Williams <kwilliams@cpan.org>'
 - "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."
build_requires:
 File::Temp: 0.15
 Test::Harness: 3.16
 Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
 url: http://module-build.sourceforge.net/META-spec-v1.4.html
 version: 1.4
name: Module-Build
resources:
 MailingList: mailto:module-build@perl.org
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version: 3

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<one line to give the program's name and a brief idea of what it does.>
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when it starts in an interactive mode:

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commands you use may be called something other than `show w' and `show
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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The End
#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the
C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match
reality.

Optionally you can pass the C<--now> option to check they are at the current
year. This isn't checked by default, so that it doesn't fail for people
working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ($Config{usecrosscompile}) {
 skip_all("Not all files are available during cross-compilation");
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{

```
 my $current_year = (gmtime)[5] + 1900;
 is $v_year, $current_year, 'perl -v copyright includes current year';
 is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
 is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;


sub readme_year
# returns the latest copyright year from the top-level README file
{

 open my $readme, '<', '../README' or die "Opening README failed: $!";

 # The copyright message is the first paragraph:
 local $/ = '';
 my $copyright_msg = <$readme>;

 my ($year) = $copyright_msg =~ /.*\b(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";

 $year;
}


sub v_year
# returns the latest copyright year shown in perl -v
{

 my $output = runperl switches => ['-v'];
 my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
    or die "Copyright statement not found in perl -v output '$output'";

 $year;
}
```

1.43 net-tools 1.60

1.43.1 Available under license :

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1.44 zlib 1.2.7-18.el7

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1.46 openssl 1.0.2n

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1.52 sudo 1.9.6p1

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Anderson, Jamie
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Andric, Dimitry
Barron, Danny
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Behan, Zdenk
Bellis, Ray
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1.55 npth 1.2

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1.56 x-text 0.7.0

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1.57 gorilla 1.1

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1.58 tcl 8.3.2

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1.59 keyutils 1.5.9

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free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is

the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a

table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or

link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license

restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
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necessary. Here is a sample; alter the names:

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library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

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freedom to share and change it. By contrast, the GNU General Public

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When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must

be combined with the library in order to run.

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1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under

the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The

threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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the documentation, and info on specific files will go into an AUTHORS
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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT

syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.64 backoff 4.1.1

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1.65 libgcrypt 1.7.3

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=-=-=-

```
*    modules it contains.  It does not include source code for modules or
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*
* $Id$
*/

#include "db_config.h"

#include "db_int.h"
#include "dbinc/blob.h"
#include "dbinc/crypto.h"
#include "dbinc/db_page.h"
#include "dbinc/db_swap.h"
#include "dbinc/btree.h"
#include "dbinc/lock.h"
#include "dbinc/mp.h"
#include "dbinc/partition.h"
#include "dbinc/fop.h"

static void __bam_init_meta __P((DB *, BTMETA *, db_pgno_t, DB_LSN *));

/*
* __bam_open --
* Open a btree.
*
* PUBLIC: int __bam_open __P((DB *, DB_THREAD_INFO *,
* PUBLIC:      DB_TXN *, const char *, db_pgno_t, u_int32_t));
*/
int
__bam_open(dbp, ip, txn, name, base_pgno, flags)
```

```
 DB *dbp;
 DB_THREAD_INFO *ip;
 DB_TXN *txn;
 const char *name;
 db_pgno_t base_pgno;
 u_int32_t flags;
{
 BTREE *t;

 COMPQUIET(name, NULL);
 t = dbp->bt_internal;

 /*
  * We don't permit the user to specify a prefix routine if they didn't
  * also specify a comparison routine, they can't know enough about our
  * comparison routine to get it right.
  */
 if (t->bt_compare == __bam_defcmp && t->bt_prefix != __bam_defpfx) {
  __db_errx(dbp->env, DB_STR("1006",
"prefix comparison may not be specified for default comparison routine"));
  return (EINVAL);
 }

 /*
  * Verify that the bt_minkey value specified won't cause the
  * calculation of ovflsize to underflow [#2406] for this pagesize.
  */
 if (B_MINKEY_TO_OVFLSIZE(dbp, t->bt_minkey, dbp->pgsize) >
     B_MINKEY_TO_OVFLSIZE(dbp, DEFMINKEYPAGE, dbp->pgsize)) {
  __db_errx(dbp->env, DB_STR_A("1007",
      "bt_minkey value of %lu too high for page size of %lu",
      "%lu %lu"), (u_long)t->bt_minkey, (u_long)dbp->pgsize);
  return (EINVAL);
 }

 /* Start up the tree. */
 return (__bam_read_root(dbp, ip, txn, base_pgno, flags));
}

/*
* __bam_metachk --
*
* PUBLIC: int __bam_metachk __P((DB *, const char *, BTMETA *));
*/
int
__bam_metachk(dbp, name, btm)
 DB *dbp;
 const char *name;
```

```
BTMETA *btm;
{
ENV *env;
u_int32_t vers;
int ret;

env = dbp->env;
ret = 0;

/*
 * At this point, all we know is that the magic number is for a Btree.
 * Check the version, the database may be out of date.
 */
vers = btm->dbmeta.version;
if (F_ISSET(dbp, DB_AM_SWAP))
 M_32_SWAP(vers);
switch (vers) {
case 6:
case 7:
 __db_errx(env, DB_STR_A("1008",
     "%s: btree version %lu requires a version upgrade",
     "%s %lu"), name, (u_long)vers);
 return (DB_OLD_VERSION);
case 8:
case 9:
case 10:
 break;
default:
 __db_errx(env, DB_STR_A("1009",
     "%s: unsupported btree version: %lu", "%s %lu"),
     name, (u_long)vers);
 return (EINVAL);
}

/* Swap the page if we need to. */
if (F_ISSET(dbp, DB_AM_SWAP) &&
    (ret = __bam_mswap(env, (PAGE *)btm)) != 0)
 return (ret);

/*
 * Check application info against metadata info, and set info, flags,
 * and type based on metadata info.
 */
if ((ret =
    __db_fchk(env, "DB->open", btm->dbmeta.flags, BTM_MASK)) != 0)
 return (ret);

if (F_ISSET(&btm->dbmeta, BTM_RECNO)) {
```

```
 if (dbp->type == DB_BTREE)
  goto wrong_type;
 dbp->type = DB_RECNO;
 DB_ILLEGAL_METHOD(dbp, DB_OK_RECNO);
} else {
 if (dbp->type == DB_RECNO)
  goto wrong_type;
 dbp->type = DB_BTREE;
 DB_ILLEGAL_METHOD(dbp, DB_OK_BTREE);
}

if (F_ISSET(&btm->dbmeta, BTM_DUP))
 F_SET(dbp, DB_AM_DUP);
else
 if (F_ISSET(dbp, DB_AM_DUP)) {
  __db_errx(env, DB_STR_A("1010",
 "%s: DB_DUP specified to open method but not set in database",
      "%s"), name);
  return (EINVAL);
 }

if (F_ISSET(&btm->dbmeta, BTM_RECNUM)) {
 if (dbp->type != DB_BTREE)
  goto wrong_type;
 F_SET(dbp, DB_AM_RECNUM);

 if ((ret = __db_fcchk(env,
     "DB->open", dbp->flags, DB_AM_DUP, DB_AM_RECNUM)) != 0)
  return (ret);
} else
 if (F_ISSET(dbp, DB_AM_RECNUM)) {
  __db_errx(env, DB_STR_A("1011",
    "%s: DB_RECNUM specified to open method but not set in database",
      "%s"), name);
  return (EINVAL);
 }

if (F_ISSET(&btm->dbmeta, BTM_FIXEDLEN)) {
 if (dbp->type != DB_RECNO)
  goto wrong_type;
 F_SET(dbp, DB_AM_FIXEDLEN);
} else
 if (F_ISSET(dbp, DB_AM_FIXEDLEN)) {
  __db_errx(env, DB_STR_A("1012",
"%s: DB_FIXEDLEN specified to open method but not set in database",
  "%s"), name);
  return (EINVAL);
 }
```

```
 if (F_ISSET(&btm->dbmeta, BTM_RENUMBER)) {
  if (dbp->type != DB_RECNO)
   goto wrong_type;
  F_SET(dbp, DB_AM_RENUMBER);
 } else
  if (F_ISSET(dbp, DB_AM_RENUMBER)) {
   __db_errx(env, DB_STR_A("1013",
     "%s: DB_RENUMBER specified to open method but not set in database",
       "%s"), name);
   return (EINVAL);
  }

 if (F_ISSET(&btm->dbmeta, BTM_SUBDB))
  F_SET(dbp, DB_AM_SUBDB);
 else
  if (F_ISSET(dbp, DB_AM_SUBDB)) {
   __db_errx(env, DB_STR_A("1014",
     "%s: multiple databases specified but not supported by file",
       "%s"), name);
   return (EINVAL);
  }

 if (F_ISSET(&btm->dbmeta, BTM_DUPSORT)) {
  if (dbp->dup_compare == NULL)
   dbp->dup_compare = __bam_defcmp;
  F_SET(dbp, DB_AM_DUPSORT);
 } else
  if (dbp->dup_compare != NULL) {
   __db_errx(env, DB_STR_A("1015",
  "%s: duplicate sort specified but not supported in database",
       "%s"), name);
   return (EINVAL);
  }

#ifdef HAVE_COMPRESSION
 if (F_ISSET(&btm->dbmeta, BTM_COMPRESS)) {
  F_SET(dbp, DB_AM_COMPRESS);
  if ((BTREE *)dbp->bt_internal != NULL &&
      !DB_IS_COMPRESSED(dbp) &&
      (ret = __bam_set_bt_compress(dbp, NULL, NULL)) != 0)
   return (ret);
 } else {
  if ((BTREE *)dbp->bt_internal != NULL &&
      DB_IS_COMPRESSED(dbp)) {
   __db_errx(env, DB_STR_A("1016",
  "%s: compresssion specified to open method but not set in database",
       "%s"), name);
```

```
   return (EINVAL);
  }
 }
#else
 if (F_ISSET(&btm->dbmeta, BTM_COMPRESS)) {
  __db_errx(env, DB_STR_A("1017",
      "%s: compression support has not been compiled in", "%s"),
      name);
  return (EINVAL);
 }
#endif

 /* Set the page size. */
 dbp->pgsize = btm->dbmeta.pagesize;

 dbp->blob_threshold = btm->blob_threshold;
 GET_BLOB_FILE_ID(env, btm, dbp->blob_file_id, ret);
 if (ret != 0)
  return (ret);
 GET_BLOB_SDB_ID(env, btm, dbp->blob_sdb_id, ret);
 if (ret != 0)
  return (ret);
 /* Blob databases must be upgraded. */
 if (vers == 9 && (dbp->blob_file_id != 0 || dbp->blob_sdb_id != 0)) {
     __db_errx(env, DB_STR_A("1207",
"%s: databases that support blobs must be upgraded.", "%s"),
      name);
  return (EINVAL);
 }
#ifndef HAVE_64BIT_TYPES
 if (dbp->blob_file_id != 0 || dbp->blob_sdb_id != 0) {
  __db_errx(env, DB_STR_A("1199",
      "%s: blobs require 64 integer compiler support.", "%s"),
      name);
  return (EINVAL);
 }
#endif

 /* Copy the file's ID. */
 memcpy(dbp->fileid, btm->dbmeta.uid, DB_FILE_ID_LEN);

 return (0);

wrong_type:
 if (dbp->type == DB_BTREE)
  __db_errx(env, DB_STR("1018",
      "open method type is Btree, database type is Recno"));
 else
```

```
 __db_errx(env, DB_STR("1019",
     "open method type is Recno, database type is Btree"));
 return (EINVAL);
}

/*
* __bam_read_root --
* Read the root page and check a tree.
*
* PUBLIC: int __bam_read_root __P((DB *,
* PUBLIC:      DB_THREAD_INFO *, DB_TXN *, db_pgno_t, u_int32_t));
*/
int
__bam_read_root(dbp, ip, txn, base_pgno, flags)
 DB *dbp;
 DB_THREAD_INFO *ip;
 DB_TXN *txn;
 db_pgno_t base_pgno;
 u_int32_t flags;
{
 BTMETA *meta;
 BTREE *t;
 DBC *dbc;
 DB_LOCK metalock;
 DB_MPOOLFILE *mpf;
 int ret, t_ret;

 COMPQUIET(flags, 0);

 meta = NULL;
 t = dbp->bt_internal;
 LOCK_INIT(metalock);
 mpf = dbp->mpf;
 ret = 0;

 /* Get a cursor.  */
 if ((ret = __db_cursor(dbp, ip, txn, &dbc,
     F_ISSET(dbp, DB_AM_RECOVER) ? DB_RECOVER : 0)) != 0)
  return (ret);

 /* Get the metadata page. */
 if ((ret =
     __db_lget(dbc, 0, base_pgno, DB_LOCK_READ, 0, &metalock)) != 0)
  goto err;
 if ((ret = __memp_fget(mpf, &base_pgno, ip, dbc->txn, 0, &meta)) != 0)
  goto err;

 /*
```

```
 * If the magic number is set, the tree has been created.  Correct
 * any fields that may not be right.  Note, all of the local flags
 * were set by DB->open.
 *
 * Otherwise, we'd better be in recovery or abort, in which case the
 * metadata page will be created/initialized elsewhere.
 *
 * Ignore the last_pgno on the metadata page for snapshot transactions:
 * we may be reading an old version of the page, and we've already
 * set last_pgno from the file size.  The only time this would matter
 * is if we don't have ftruncate and there are some free pages at the
 * end of the file: we could end up with holes.
 */
if (meta->dbmeta.magic == DB_BTREEMAGIC) {
 t->bt_minkey = meta->minkey;
 t->re_pad = (int)meta->re_pad;
 t->re_len = meta->re_len;

 t->bt_meta = base_pgno;
 t->bt_root = meta->root;
 t->revision = dbp->mpf->mfp->revision;
 if (PGNO(meta) == PGNO_BASE_MD &&
     !F_ISSET(dbp, DB_AM_RECOVER) &&
     (txn == NULL || !F_ISSET(txn, TXN_SNAPSHOT)) && (ret =
     __memp_set_last_pgno(mpf, meta->dbmeta.last_pgno)) != 0)
  goto err;
} else {
 DB_ASSERT(dbp->env,
     IS_RECOVERING(dbp->env) || F_ISSET(dbp, DB_AM_RECOVER));
}

/*
 * !!!
 * If creating a subdatabase, we've already done an insert when
 * we put the subdatabase's entry into the master database, so
 * our last-page-inserted value is wrongly initialized for the
 * master database, not the subdatabase we're creating.  I'm not
 * sure where the *right* place to clear this value is, it's not
 * intuitively obvious that it belongs here.
 */
t->bt_lpgno = PGNO_INVALID;

err: /* Put the metadata page back. */
 if (meta != NULL && (t_ret = __memp_fput(mpf,
     ip, meta, dbc->priority)) != 0 && ret == 0)
  ret = t_ret;
 if ((t_ret = __LPUT(dbc, metalock)) != 0 && ret == 0)
  ret = t_ret;
```

```
 if ((t_ret = __dbc_close(dbc)) != 0 && ret == 0)
  ret = t_ret;
 return (ret);
}

/*
* __bam_init_meta --
*
* Initialize a btree meta-data page.  The following fields may need
* to be updated later: last_pgno, root.
*/
static void
__bam_init_meta(dbp, meta, pgno, lsnp)
 DB *dbp;
 BTMETA *meta;
 db_pgno_t pgno;
 DB_LSN *lsnp;
{
 BTREE *t;
#ifdef HAVE_PARTITION
 DB_PARTITION *part;
#endif
 ENV *env;

 env = dbp->env;
 t = dbp->bt_internal;

 memset(meta, 0, sizeof(BTMETA));
 meta->dbmeta.lsn = *lsnp;
 meta->dbmeta.pgno = pgno;
 meta->dbmeta.magic = DB_BTREEMAGIC;
 meta->dbmeta.version = DB_BTREEVERSION;
 meta->dbmeta.pagesize = dbp->pgsize;
 if (F_ISSET(dbp, DB_AM_CHKSUM))
  FLD_SET(meta->dbmeta.metaflags, DBMETA_CHKSUM);
 if (F_ISSET(dbp, DB_AM_ENCRYPT)) {
  meta->dbmeta.encrypt_alg = env->crypto_handle->alg;
  DB_ASSERT(env, meta->dbmeta.encrypt_alg != 0);
  meta->crypto_magic = meta->dbmeta.magic;
 }
 meta->dbmeta.type = P_BTREEMETA;
 meta->dbmeta.free = PGNO_INVALID;
 meta->dbmeta.last_pgno = pgno;
 if (F_ISSET(dbp, DB_AM_DUP))
  F_SET(&meta->dbmeta, BTM_DUP);
 if (F_ISSET(dbp, DB_AM_FIXEDLEN))
  F_SET(&meta->dbmeta, BTM_FIXEDLEN);
```

```
 if (F_ISSET(dbp, DB_AM_RECNUM))
  F_SET(&meta->dbmeta, BTM_RECNUM);
 if (F_ISSET(dbp, DB_AM_RENUMBER))
  F_SET(&meta->dbmeta, BTM_RENUMBER);
 if (F_ISSET(dbp, DB_AM_SUBDB))
  F_SET(&meta->dbmeta, BTM_SUBDB);
 if (dbp->dup_compare != NULL)
  F_SET(&meta->dbmeta, BTM_DUPSORT);
#ifdef HAVE_COMPRESSION
 if (DB_IS_COMPRESSED(dbp))
  F_SET(&meta->dbmeta, BTM_COMPRESS);
#endif
 if (dbp->type == DB_RECNO)
  F_SET(&meta->dbmeta, BTM_RECNO);
 memcpy(meta->dbmeta.uid, dbp->fileid, DB_FILE_ID_LEN);

 meta->minkey = t->bt_minkey;
 meta->re_len = t->re_len;
 meta->re_pad = (u_int32_t)t->re_pad;
 meta->blob_threshold = dbp->blob_threshold;
 SET_BLOB_META_FILE_ID(meta, dbp->blob_file_id, BTMETA);
 SET_BLOB_META_SDB_ID(meta, dbp->blob_sdb_id, BTMETA);

#ifdef HAVE_PARTITION
 if ((part = dbp->p_internal) != NULL) {
  meta->dbmeta.nparts = part->nparts;
  if (F_ISSET(part, PART_CALLBACK))
   FLD_SET(meta->dbmeta.metaflags, DBMETA_PART_CALLBACK);
  if (F_ISSET(part, PART_RANGE))
   FLD_SET(meta->dbmeta.metaflags, DBMETA_PART_RANGE);
 }
#endif
}

/*
* __bam_new_file --
* Create the necessary pages to begin a new database file.
*
* This code appears more complex than it is because of the two cases (named
* and unnamed).  The way to read the code is that for each page being created,
* there are three parts: 1) a "get page" chunk (which either uses malloc'd
* memory or calls __memp_fget), 2) the initialization, and 3) the "put page"
* chunk which either does a fop write or an __memp_fput.
*
* PUBLIC: int __bam_new_file __P((DB *,
* PUBLIC:      DB_THREAD_INFO *, DB_TXN *, DB_FH *, const char *));
*/
int
```

```
__bam_new_file(dbp, ip, txn, fhp, name)
 DB *dbp;
 DB_THREAD_INFO *ip;
 DB_TXN *txn;
 DB_FH *fhp;
 const char *name;
{
 BTMETA *meta;
 DBT pdbt;
 DB_LSN lsn;
 DB_MPOOLFILE *mpf;
 DB_PGINFO pginfo;
 ENV *env;
 PAGE *root;
 db_pgno_t pgno;
 int ret, t_ret;
 void *buf;

 env = dbp->env;
 mpf = dbp->mpf;
 root = NULL;
 meta = NULL;
 buf = NULL;

 if (F_ISSET(dbp, DB_AM_INMEM)) {
  /* Build the meta-data page. */
  pgno = PGNO_BASE_MD;
  if ((ret = __memp_fget(mpf, &pgno,
     ip, txn, DB_MPOOL_CREATE | DB_MPOOL_DIRTY, &meta)) != 0)
   return (ret);
  LSN_NOT_LOGGED(lsn);
  __bam_init_meta(dbp, meta, PGNO_BASE_MD, &lsn);
  meta->root = 1;
  meta->dbmeta.last_pgno = 1;
  if ((ret =
     __db_log_page(dbp, txn, &lsn, pgno, (PAGE *)meta)) != 0)
   goto err;
  ret = __memp_fput(mpf, ip, meta, dbp->priority);
  meta = NULL;
  if (ret != 0)
   goto err;

  /* Build the root page. */
  pgno = 1;
  if ((ret = __memp_fget(mpf, &pgno,
     ip, txn, DB_MPOOL_CREATE | DB_MPOOL_DIRTY, &root)) != 0)
   goto err;
  P_INIT(root, dbp->pgsize, 1, PGNO_INVALID, PGNO_INVALID,
```

```
    LEAFLEVEL, dbp->type == DB_RECNO ? P_LRECNO : P_LBTREE);
  LSN_NOT_LOGGED(root->lsn);
  if ((ret =
     __db_log_page(dbp, txn, &root->lsn, pgno, root)) != 0)
   goto err;
  ret = __memp_fput(mpf, ip, root, dbp->priority);
  root = NULL;
  if (ret != 0)
   goto err;
 } else {
  memset(&pdbt, 0, sizeof(pdbt));

  /* Build the meta-data page. */
  pginfo.db_pagesize = dbp->pgsize;
  pginfo.flags =
     F_ISSET(dbp, (DB_AM_CHKSUM | DB_AM_ENCRYPT | DB_AM_SWAP));
  pginfo.type = dbp->type;
  pdbt.data = &pginfo;
  pdbt.size = sizeof(pginfo);
  if (dbp->blob_threshold) {
   if ((ret = __blob_generate_dir_ids(dbp, txn,
      &dbp->blob_file_id)) != 0)
    return (ret);

  }
  if ((ret = __os_calloc(env, 1, dbp->pgsize, &buf)) != 0)
   return (ret);
  meta = (BTMETA *)buf;
  LSN_NOT_LOGGED(lsn);
  __bam_init_meta(dbp, meta, PGNO_BASE_MD, &lsn);
  meta->root = 1;
  meta->dbmeta.last_pgno = 1;
  if ((ret = __db_pgout(
     dbp->dbenv, PGNO_BASE_MD, meta, &pdbt)) != 0)
   goto err;
  if ((ret = __fop_write(env, txn, name, dbp->dirname,
     DB_APP_DATA, fhp,
     dbp->pgsize, 0, 0, buf, dbp->pgsize, 1, F_ISSET(
     dbp, DB_AM_NOT_DURABLE) ? DB_LOG_NOT_DURABLE : 0)) != 0)
   goto err;
  meta = NULL;

  /* Build the root page. */
#ifdef DIAGNOSTIC
  memset(buf, CLEAR_BYTE, dbp->pgsize);
#endif
  root = (PAGE *)buf;
  P_INIT(root, dbp->pgsize, 1, PGNO_INVALID, PGNO_INVALID,
```

```
    LEAFLEVEL, dbp->type == DB_RECNO ? P_LRECNO : P_LBTREE);
 LSN_NOT_LOGGED(root->lsn);
 if ((ret =
    __db_pgout(dbp->dbenv, root->pgno, root, &pdbt)) != 0)
  goto err;
 if ((ret =
    __fop_write(env, txn, name, dbp->dirname, DB_APP_DATA,
    fhp, dbp->pgsize, 1, 0, buf, dbp->pgsize, 1, F_ISSET(
    dbp, DB_AM_NOT_DURABLE) ? DB_LOG_NOT_DURABLE : 0)) != 0)
  goto err;
 root = NULL;
 }

err: if (buf != NULL)
  __os_free(env, buf);
 else {
 if (meta != NULL &&
    (t_ret = __memp_fput(mpf, ip,
    meta, dbp->priority)) != 0 && ret == 0)
  ret = t_ret;
 if (root != NULL &&
    (t_ret = __memp_fput(mpf, ip,
    root, dbp->priority)) != 0 && ret == 0)
  ret = t_ret;
 }
 return (ret);
}

/*
* __bam_new_subdb --
* Create a metadata page and a root page for a new btree.
*
* PUBLIC: int __bam_new_subdb __P((DB *, DB *, DB_THREAD_INFO *, DB_TXN *));
*/
int
__bam_new_subdb(mdbp, dbp, ip, txn)
 DB *mdbp, *dbp;
 DB_THREAD_INFO *ip;
 DB_TXN *txn;
{
 BTMETA *meta;
 DBC *dbc;
 DB_LOCK metalock;
 DB_LSN lsn;
 DB_MPOOLFILE *mpf;
 ENV *env;
 PAGE *root;
 int ret, t_ret;
```

```
 env = mdbp->env;
 mpf = mdbp->mpf;
 dbc = NULL;
 meta = NULL;
 root = NULL;

 if (dbp->blob_threshold) {
  if ((ret = __blob_generate_dir_ids(dbp, txn,
      &dbp->blob_sdb_id)) != 0)
   return (ret);
 }

 if ((ret = __db_cursor(mdbp, ip, txn,
     &dbc, CDB_LOCKING(env) ?  DB_WRITECURSOR : 0)) != 0)
  return (ret);

 /* Get, and optionally create the metadata page. */
 if ((ret = __db_lget(dbc,
     0, dbp->meta_pgno, DB_LOCK_WRITE, 0, &metalock)) != 0)
  goto err;
 if ((ret = __memp_fget(mpf, &dbp->meta_pgno,
     ip, txn, DB_MPOOL_CREATE | DB_MPOOL_DIRTY, &meta)) != 0)
  goto err;

 /* Build meta-data page. */
 lsn = meta->dbmeta.lsn;
 __bam_init_meta(dbp, meta, dbp->meta_pgno, &lsn);
 if ((ret = __db_log_page(mdbp,
     txn, &meta->dbmeta.lsn, dbp->meta_pgno, (PAGE *)meta)) != 0)
  goto err;

 /* Create and initialize a root page. */
 if ((ret = __db_new(dbc,
     dbp->type == DB_RECNO ? P_LRECNO : P_LBTREE, NULL, &root)) != 0)
  goto err;
 root->level = LEAFLEVEL;

 if (DBENV_LOGGING(env) &&
#if !defined(DEBUG_WOP)
     txn != NULL &&
#endif

     (ret = __bam_root_log(mdbp, txn, &meta->dbmeta.lsn, 0,
     meta->dbmeta.pgno, root->pgno, &meta->dbmeta.lsn)) != 0)
  goto err;

 meta->root = root->pgno;
```

```
 if ((ret =
     __db_log_page(mdbp, txn, &root->lsn, root->pgno, root)) != 0)
  goto err;

 /* Release the metadata and root pages. */
 if ((ret = __memp_fput(mpf, ip, meta, dbc->priority)) != 0)
  goto err;
 meta = NULL;
 if ((ret = __memp_fput(mpf, ip, root, dbc->priority)) != 0)
  goto err;
 root = NULL;
err:
 if (meta != NULL)
  if ((t_ret = __memp_fput(mpf, ip,
  meta, dbc->priority)) != 0 && ret == 0)
   ret = t_ret;
 if (root != NULL)
  if ((t_ret = __memp_fput(mpf, ip,
  root, dbc->priority)) != 0 && ret == 0)
   ret = t_ret;
 if ((t_ret = __LPUT(dbc, metalock)) != 0 && ret == 0)
  ret = t_ret;
 if (dbc != NULL)
  if ((t_ret = __dbc_close(dbc)) != 0 && ret == 0)
   ret = t_ret;
 return (ret);
}
```

1.67 libxcb 0.1

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1.68 linux-kernel 1.2.1

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1.69 openssl 1.0.2j

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1.70 gawk 4.1.1

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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That's all there is to it!

1.71 python-setuptools 40.8.0

1.71.1 Available under license :

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1.72 vim 7.4

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Version 2.1, February 1999

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That's all there is to it!
uganda.txt   For Vim version 8.2. Last change: 2020 Jan 08

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  uganda *Uganda* *copying* *copyright* *license*
SUMMARY
        iccf *ICCF*
Vim is Charityware. You can use and copy it as much as you like, but you are
encouraged to make a donation for needy children in Uganda. Please see |kcc|
below or visit the ICCF web site, available at these URLs:

 http://iccf-holland.org/
 http://www.vim.org/iccf/
 http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for
features. See |sponsor|. The money goes to Uganda anyway.

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=== begin of license ===

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conditions are met:
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2) The modified Vim must be distributed in one of the following five ways:
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must make your changes, including source code, available to the
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The current maintainer is Bram Moolenaar <Bram@vim.org>. If this
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vim.sf.net, www.vim.org and/or comp.editors). When it is completely
impossible to contact the maintainer, the obligation to send him
your changes ceases. Once the maintainer has confirmed that he has
received your changes they will not have to be sent again.
  b) If you have received a modified Vim that was distributed as
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unmodified, as mentioned at I). If you make additional changes the
text under a) applies to those changes.
  c) Provide all the changes, including source code, with every copy of
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context diff. You can choose what license to use for new code you
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making their own changes to the official version of Vim.
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  permits the Vim maintainer to include the changes in the official
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- You keep the changes for at least three years after last
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  available to him.
- You clearly describe in the distribution how to contact you. This
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  after last distributing the corresponding modified Vim, or as long
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3) A message must be added, at least in the output of the ":version"

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=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this
file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a
|sponsor|. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible.
A few minor changes have been made since he checked it, but that should not
make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits
further distribution to the GNU GPL. Also when you didn't actually change
anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all
further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and
contact information with the "--with-modified-by" configure argument or the
MODIFIED_BY define.

==
Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps.

When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated

because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you
will receive a tax receipt which can be submitted with your
tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.
This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any
country, mostly from the post office. Use this name (which is
in my passport): "Abraham Moolenaar". Use Euro for the
currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form
that you can use for this. See "Others" below for the swift
code and IBAN number.
Any other method should work. Ask for information about
sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is
the most widely used Internet based payment system. It's
really simple to use. Use this link to find more info:
https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is
preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address
below. Minimal amount: $70 (my bank does not accept smaller
amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:noet:ft=help:norl:
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1.75 linux-kernel 3.14.23

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The DSP/Bridge project wish to thank all of its contributors, current bridge driver is the result of the work of all of them. If any name is accidentally omitted, let us know by sending a mail to omar.ramirez@ti.com or x095840@ti.com.

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QLogic Linux FC-FCoE Driver

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```
/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
*  http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
*   Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
```

```
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
*   IDT always receives data into a small buffer, then large buffers
*    as needed. This means that data must always be copied to create
*    the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
*    Fix is simple: make large buffers large enough to hold entire
*    SDU, and leave <small_buffer_data> bytes empty at the start. Then
*    copy small buffer contents to head of large buffer.
*   Trick is to avoid fragmenting Linux, due to need for a lot of large
*    buffers. This is done by 2 things:
*      1) skb->destructor / skb->atm.recycle_buffer
*          combined, allow nicstar_free_rx_skb to be called to
*          recycle large data buffers
*      2) skb_clone of received buffers
*   See nicstar_free_rx_skb and linearize_buffer for implementation
*    details.
*
*
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* M. Welsh, 6 July 1996
*
*
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for CyberLogin for Linux which allows logging onto EON
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1.86 libxml2 0.1

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1.87 cryptsetup 1.6.6

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1.89 ecdsa 0.11

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1.91 libx11 1.6.2

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1.92 keyutils 1.5.8

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1.93 mergo 0.2.2

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fields:
  site: string
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1.94 python 3.9.1

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==========

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes

2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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1.100 jansson 2.9

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1.105 sysv-init 2.88

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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
*
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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1.106 msgp 1.0-alpha

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1.107 protobuf 1.28.1

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1.108 libtommath 0.42.0

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1.109 python-lxml 3.2.5

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1.110 python-pip 19.0.3

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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
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2.4.3	2.4.2	2006	PSF	yes
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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member of
the PSF.

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

Release	Derived	Year	Owner	GPL-

	from		compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI yes
1.6	1.5.2	2000	CNRI no
2.0	1.6	2000	BeOpen.com no
1.6.1	1.6	2001	CNRI yes (2)
2.1	2.0+1.6.1	2001	PSF no
2.0.1	2.0+1.6.1	2001	PSF yes
2.1.1	2.1+2.0.1	2001	PSF yes
2.2	2.1.1	2001	PSF yes
2.1.2	2.1.1	2002	PSF yes
2.1.3	2.1.2	2002	PSF yes
2.2.1	2.2	2002	PSF yes
2.2.2	2.2.1	2002	PSF yes
2.2.3	2.2.2	2003	PSF yes
2.3	2.2.2	2002-2003	PSF yes
2.3.1	2.3	2002-2003	PSF yes
2.3.2	2.3.1	2002-2003	PSF yes
2.3.3	2.3.2	2002-2003	PSF yes
2.3.4	2.3.3	2004	PSF yes
2.3.5	2.3.4	2005	PSF yes
2.4	2.3	2004	PSF yes
2.4.1	2.4	2005	PSF yes
2.4.2	2.4.1	2005	PSF yes
2.4.3	2.4.2	2006	PSF yes
2.4.4	2.4.3	2006	PSF yes
2.5	2.4	2006	PSF yes
2.5.1	2.5	2007	PSF yes
2.5.2	2.5.1	2008	PSF yes
2.5.3	2.5.2	2008	PSF yes
2.6	2.5	2008	PSF yes
2.6.1	2.6	2008	PSF yes
2.6.2	2.6.1	2009	PSF yes
2.6.3	2.6.2	2009	PSF yes
2.6.4	2.6.3	2009	PSF yes
2.6.5	2.6.4	2010	PSF yes
3.0	2.6	2008	PSF yes
3.0.1	3.0	2009	PSF yes
3.1	3.0.1	2009	PSF yes
3.1.1	3.1	2009	PSF yes
3.1.2	3.1	2010	PSF yes
3.2	3.1	2010	PSF yes

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file (certdata.txt). This file can be found in the mozilla source tree:
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^L
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* DNS resolver (dirmngr/dns.c)

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1.114 util-linux 2.24.2

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1.115 libtomcrypt 1.17

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#   * Implementation derived from LibTomCrypt (Tom St Denis)
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#   * LibTomCrypt is a library that provides various cryptographic
#   * algorithms in a highly modular and flexible manner.
#   *
#   * The library is free for all purposes without any express
#   * guarantee it works.
#   *
#   * Tom St Denis, tomstdenis@gmail.com, http://libtomcrypt.org
#   */
```

1.116 gzip 1.6

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<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

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Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

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<http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.117 tftp-hpa 5.2

1.117.1 Available under license :

No license file was found, but licenses were detected in source scan.

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* The Regents of the University of California. All rights reserved.
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* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
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*/

Found in path(s):

* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftp/tftp.c
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/common/tftpsubs.c
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftp/main.c
No license file was found, but licenses were detected in source scan.

```
/* -*- c -*- ------------------------------------------------------------ *
*
*   Copyright 2001-2006 H. Peter Anvin - All Rights Reserved
*
*   This program is free software available under the same license
*   as the "OpenBSD" operating system, distributed at
*   http://www.openbsd.org/.
*
* ---------------------------------------------------------------------- */
```

Found in path(s):
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/config.h
No license file was found, but licenses were detected in source scan.

```
/* ---------------------------------------------------------------------- *
*
*   Copyright 2001-2007 H. Peter Anvin - All Rights Reserved
*
*   This program is free software available under the same license
*   as the "OpenBSD" operating system, distributed at
*   http://www.openbsd.org/.
*
* ---------------------------------------------------------------------- */
```

Found in path(s):
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftpd/remap.h
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftpd/misc.c
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftpd/remap.c
No license file was found, but licenses were detected in source scan.

Summary: The client for the Trivial File Transfer Protocol (TFTP).
Name: tftp
Version: @@VERSION@@
Release: 1
License: BSD
Group: Applications/Internet
Source0: http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz
BuildRequires: tcp_wrappers-devel
BuildRoot: %{_tmppath}/%{name}-root

%description
The Trivial File Transfer Protocol (TFTP) is normally used only for
booting diskless workstations. The tftp package provides the user

```
interface for TFTP, which allows users to transfer files to and from a
remote machine.  This program and TFTP provide very little security,
and should not be enabled unless it is expressly needed.

%package server
Group: System Environment/Daemons
Summary: The server for the Trivial File Transfer Protocol (TFTP).
Requires: xinetd

%description server
The Trivial File Transfer Protocol (TFTP) is normally used only for
booting diskless workstations.  The tftp-server package provides the
server for TFTP, which allows users to transfer files to and from a
remote machine. TFTP provides very little security, and should not be
enabled unless it is expressly needed.  The TFTP server is run from
/etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

%prep
%setup -q -n tftp-hpa-%{version}

%build

%configure
make %{?_smp_mflags}

%install
rm -rf ${RPM_BUILD_ROOT}
mkdir -p ${RPM_BUILD_ROOT}%{_bindir}
mkdir -p ${RPM_BUILD_ROOT}%{_mandir}/man{1,8}
mkdir -p ${RPM_BUILD_ROOT}%{_sbindir}

make INSTALLROOT=${RPM_BUILD_ROOT} \
  SBINDIR=%{_sbindir} MANDIR=%{_mandir} \
 install
install -m755 -d ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/ ${RPM_BUILD_ROOT}/tftpboot
install -m644 tftp-xinetd ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/tftp

%post server
/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server
if [ $1 = 0 ]; then
  /sbin/service xinetd reload > /dev/null 2>&1 || :
fi

%clean
rm -rf ${RPM_BUILD_ROOT}
```

%files
%defattr(-,root,root)
%{_bindir}/tftp
%{_mandir}/man1/*

%files server
%defattr(-,root,root)
%config(noreplace) %{_sysconfdir}/xinetd.d/tftp
%dir /tftpboot
%{_sbindir}/in.tftpd
%{_mandir}/man8/*

%changelog
* Tue Sep 14 2004 H. Peter Anvin <hpa@zytor.com>
- removed completely broken "Malta" patch.
- integrated into build machinery so rpm -ta works.

* Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Wed Jun 04 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Fri Apr 11 2003 Elliot Lee <sopwith@redhat.com>
- 0.33
- Add /tftpboot directory (#88204)

* Mon Feb 24 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Sun Feb 23 2003 Tim Powers <timp@redhat.com>
- add BuildPreReq on tcp_wrappers

* Wed Jan 22 2003 Tim Powers <timp@redhat.com>
- rebuilt

* Mon Nov 11 2002 Elliot Lee <sopwith@redhat.com> 0.32-1
- Update to 0.32

* Wed Oct 23 2002 Elliot Lee <sopwith@redhat.com> 0.30-1
- Fix #55789
- Update to 0.30

* Thu Jun 27 2002 Elliot Lee <sopwith@redhat.com>
- Try applying HJ's patch from #65476

* Fri Jun 21 2002 Tim Powers <timp@redhat.com>
- automated rebuild

* Mon Jun 17 2002 Elliot Lee <sopwith@redhat.com>
- Update to 0.29

* Thu May 23 2002 Tim Powers <timp@redhat.com>
- automated rebuild

* Wed Jan 09 2002 Tim Powers <timp@redhat.com>
- automated rebuild

* Tue Dec 18 2001 Elliot Lee <sopwith@redhat.com> 0.17-15
- Add patch4: netkit-tftp-0.17-defaultport.patch for bug #57562
- Update to tftp-hpa-0.28 (bug #56131)
- Remove include/arpa/tftp.h to fix #57259
- Add resource limits in tftp-xinetd (#56722)

* Sun Jun 24 2001 Elliot Lee <sopwith@redhat.com>
- Bump release + rebuild.

* Tue Jun 12 2001 Helge Deller <hdeller@redhat.de> (0.17-13)
- updated tftp-hpa source to tftp-hpa-0.17
- tweaked specfile with different defines for tftp-netkit and tftp-hpa version
- use hpa's tftpd.8 man page instead of the netkits one

* Mon May 07 2001 Helge Deller <hdeller@redhat.de>
- rebuilt in 7.1.x

* Wed Apr 18 2001 Helge Deller <hdeller@redhat.de>
- fix tftp client's put problems (#29529)
- update to tftp-hpa-0.16

* Wed Apr 4 2001 Jakub Jelinek <jakub@redhat.com>
- don't let configure to guess compiler, it can pick up egcs

* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
- changed "wait" in xinetd file to "yes" (hpa-tftpd forks and exits) (#26467)
- fixed hpa-tftpd to handle files greater than 32MB (#23725)
- added "-l" flag to hpa-tftpd for file-logging (#26467)
- added description for "-l" to the man-page

* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
- updated tftp client to 0.17 stable (#19640),
- drop dependency on xinetd for tftp client (#25051),

* Wed Jan 17 2001 Jeff Johnson <jbj@redhat.com>
- xinetd shouldn't wait on tftp (which forks) (#23923).

* Sat Jan 6 2001 Jeff Johnson <jbj@redhat.com>

- fix to permit tftp put's (#18128).
- startup as root with chroot to /tftpboot with early reversion to nobody
 is preferable to starting as nobody w/o ability to chroot.
- %%post is needed by server, not client. Add %%postun for erasure as well.

* Wed Aug 23 2000 Nalin Dahyabhai <nalin@redhat.com>
- default to being disabled

* Thu Aug 17 2000 Jeff Johnson <jbj@redhat.com>
- correct group.

* Tue Jul 25 2000 Nalin Dahyabhai <nalin@redhat.com>
- change user from root to nobody

* Sat Jul 22 2000 Jeff Johnson <jbj@redhat.com>
- update to tftp-hpa-0.14 (#14003).
- add server_args (#14003).
- remove -D_BSD_SOURCE (#14003).

* Fri Jul 21 2000 Nalin Dahyabhai <nalin@redhat.com>
- cook up an xinetd config file for tftpd

* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>
- automatic rebuild

* Sun Jun 18 2000 Jeff Johnson <jbj@redhat.com>
- FHS packaging.
- update to 0.17.

* Fri May 5 2000 Matt Wilson <msw@redhat.com>
- use _BSD_SOURCE for hpa's tftpd so we get BSD signal semantics.

* Fri Feb 11 2000 Bill Nottingham <notting@redhat.com>
- fix description

* Wed Feb 9 2000 Jeff Johnson <jbj@redhat.com>
- compress man pages (again).

* Wed Feb 02 2000 Cristian Gafton <gafton@redhat.com>
- man pages are compressed
- fix description and summary

* Tue Jan 4 2000 Bill Nottingham <notting@redhat.com>
- split client and server

* Tue Dec 21 1999 Jeff Johnson <jbj@redhat.com>
- update to 0.16.

* Sat Aug 28 1999 Jeff Johnson <jbj@redhat.com>
- update to 0.15.

* Wed Apr 7 1999 Jeff Johnson <jbj@redhat.com>
- tftpd should truncate file when overwriting (#412)

* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>
- auto rebuild in the new build environment (release 22)

* Mon Mar 15 1999 Jeff Johnson <jbj@redhat.com>
- compile for 6.0.

* Fri Aug 7 1998 Jeff Johnson <jbj@redhat.com>
- build root

* Mon Apr 27 1998 Prospector System <bugs@redhat.com>
- translations modified for de, fr, tr

* Mon Sep 22 1997 Erik Troan <ewt@redhat.com>
- added check for getpwnam() failure

* Tue Jul 15 1997 Erik Troan <ewt@redhat.com>
- initial build

Found in path(s):
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftp.spec.in
No license file was found, but licenses were detected in source scan.

Summary: The client for the Trivial File Transfer Protocol (TFTP).
Name: tftp
Version: 5.2
Release: 1
License: BSD
Group: Applications/Internet
Source0: http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz
BuildRequires: tcp_wrappers-devel
BuildRoot: %{_tmppath}/%{name}-root

%description
The Trivial File Transfer Protocol (TFTP) is normally used only for
booting diskless workstations. The tftp package provides the user
interface for TFTP, which allows users to transfer files to and from a
remote machine. This program and TFTP provide very little security,
and should not be enabled unless it is expressly needed.

%package server
Group: System Environment/Daemons
Summary: The server for the Trivial File Transfer Protocol (TFTP).

```
Requires: xinetd

%description server
The Trivial File Transfer Protocol (TFTP) is normally used only for
booting diskless workstations.  The tftp-server package provides the
server for TFTP, which allows users to transfer files to and from a
remote machine. TFTP provides very little security, and should not be
enabled unless it is expressly needed.  The TFTP server is run from
/etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

%prep
%setup -q -n tftp-hpa-%{version}

%build

%configure
make %{?_smp_mflags}

%install
rm -rf ${RPM_BUILD_ROOT}
mkdir -p ${RPM_BUILD_ROOT}%{_bindir}
mkdir -p ${RPM_BUILD_ROOT}%{_mandir}/man{1,8}
mkdir -p ${RPM_BUILD_ROOT}%{_sbindir}

make INSTALLROOT=${RPM_BUILD_ROOT} \
   SBINDIR=%{_sbindir} MANDIR=%{_mandir} \
 install
install -m755 -d ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/ ${RPM_BUILD_ROOT}/tftpboot
install -m644 tftp-xinetd ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/tftp

%post server
/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server
if [ $1 = 0 ]; then
   /sbin/service xinetd reload > /dev/null 2>&1 || :
fi

%clean
rm -rf ${RPM_BUILD_ROOT}

%files
%defattr(-,root,root)
%{_bindir}/tftp
%{_mandir}/man1/*

%files server
%defattr(-,root,root)
```

%config(noreplace) %{_sysconfdir}/xinetd.d/tftp
%dir /tftpboot
%{_sbindir}/in.tftpd
%{_mandir}/man8/*

%changelog
* Tue Sep 14 2004 H. Peter Anvin <hpa@zytor.com>
- removed completely broken "Malta" patch.
- integrated into build machinery so rpm -ta works.

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- rebuilt

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- Add /tftpboot directory (#88204)

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- Fix #55789
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* Thu May 23 2002 Tim Powers <timp@redhat.com>
- automated rebuild

* Wed Jan 09 2002 Tim Powers <timp@redhat.com>
- automated rebuild

* Tue Dec 18 2001 Elliot Lee <sopwith@redhat.com> 0.17-15
- Add patch4: netkit-tftp-0.17-defaultport.patch for bug #57562
- Update to tftp-hpa-0.28 (bug #56131)
- Remove include/arpa/tftp.h to fix #57259
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- change user from root to nobody

* Sat Jul 22 2000 Jeff Johnson <jbj@redhat.com>
- update to tftp-hpa-0.14 (#14003).
- add server_args (#14003).
- remove -D_BSD_SOURCE (#14003).

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- cook up an xinetd config file for tftpd

* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>
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* Sun Jun 18 2000 Jeff Johnson <jbj@redhat.com>
- FHS packaging.
- update to 0.17.

* Fri May 5 2000 Matt Wilson <msw@redhat.com>
- use _BSD_SOURCE for hpa's tftpd so we get BSD signal semantics.

* Fri Feb 11 2000 Bill Nottingham <notting@redhat.com>
- fix description

* Wed Feb 9 2000 Jeff Johnson <jbj@redhat.com>
- compress man pages (again).

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* Tue Jan 4 2000 Bill Nottingham <notting@redhat.com>
- split client and server

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- update to 0.16.

* Sat Aug 28 1999 Jeff Johnson <jbj@redhat.com>
- update to 0.15.

* Wed Apr 7 1999 Jeff Johnson <jbj@redhat.com>
- tftpd should truncate file when overwriting (#412)

* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>

- auto rebuild in the new build environment (release 22)

* Mon Mar 15 1999 Jeff Johnson <jbj@redhat.com>
- compile for 6.0.

* Fri Aug 7 1998 Jeff Johnson <jbj@redhat.com>
- build root

* Mon Apr 27 1998 Prospector System <bugs@redhat.com>
- translations modified for de, fr, tr

* Mon Sep 22 1997 Erik Troan <ewt@redhat.com>
- added check for getpwnam() failure

* Tue Jul 15 1997 Erik Troan <ewt@redhat.com>
- initial build

Found in path(s):
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftp.spec
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* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/MCONFIG.in
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* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftpd/recvfrom.h
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* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/common/tftpsubs.h
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<signature of Ty Coon>, 1 April 1990
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That's all there is to it!

1.120 golang 1.14.2

1.120.1 Available under license :

```
# This is the official list of people who can contribute
# (and typically have contributed) code to the Go repository.
# The AUTHORS file lists the copyright holders; this file
# lists people.  For example, Google employees are listed here
# but not in AUTHORS, because Google holds the copyright.
#
# Names should be added to this file only after verifying that
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#
#     http://code.google.com/legal/individual-cla-v1.0.html
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```
#     http://code.google.com/legal/corporate-cla-v1.0.html
#
# The agreement for individuals can be filled out on the web.

# Names should be added to this file like so:
#     Individual's name <submission email address>
#     Individual's name <submission email address> <email2> <emailN>
#
# An entry with multiple email addresses specifies that the
# first address should be used in the submit logs and
# that the other addresses should be recognized as the
# same person when interacting with Gerrit.

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1.121 xmldiff 2.3

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1.124 json-c 0.12

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1.125 x-net 0.0.0-20211216030914-fe4d6282115f

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1.126 libpcap 1.6.1

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1.128 coreutils 8.22

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b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

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```
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under certain conditions; type 'show c' for details.
```

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```
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```

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

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designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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Version 3, 29 June 2007

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1.133 python-pip 18.1

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- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02
A. HISTORY OF THE SOFTWARE
==========

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member of
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All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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1.134 python 2.7.16

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c

lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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1.141 smartmontools 6.2

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1.142 pcre 8.32

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1.144 xinetd 2.3.15

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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for
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releases have also been GPL-compatible; the table below summarizes
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no

2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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5. [6]Michael Barone <michael,barone@lmco.com> GPSVME fixes
6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
10. [11]Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp
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12. [13]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
13. [14]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
14. [15]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
15. [16]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
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47. [51]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
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 Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
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Kenneth Stone <ken@sdd.hp.com> HP-UX port
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1.158 gmp 6.0.0

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A "covered work" means either the unmodified Program or a work based on the Program.

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The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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1.162 zlib 1.2.8

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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1.163 x-crypto 0.6.0

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1.164 parted 1.2

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<signature of Ty Coon>, 1 April 1990
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That's all there is to it!

1.171 binutils 2.24

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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1.172 psutil 5.7.3

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--
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## Commands to generate dependency files
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
```

```
 $(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
 $(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
 $(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
 $(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<


## Dependency rules
%.d: $(srcdir)/%.c
 @echo "generating dependency information for $<"
 @$(SHELL) -ec '$(GEN_DEPS.c) $< \
  | sed '\"s/\($*\)\.o[ :]*/\1.o $@ : /g'\" > $@; \
  [ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
 @echo "generating dependency information for $<"
 @$(SHELL) -ec '$(GEN_DEPS.cc) $< \
  | sed '\"s/\($*\)\.o[ :]*/\1.o $@ : /g'\" > $@; \
  [ -s $@ ] || rm -f $@'

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
 $(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
 $(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

##  Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup
```

1.177 goprotobuf 1.4.3

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1.178 packaging 20.4

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1.179 zlib 1.2.3

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version 1.2.11, January 15th, 2017

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[Tatu continues]
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- MD5 is now external, in the OpenSSL library

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```
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 *
 * Optimised ANSI C code for the Rijndael cipher (now AES)
 *
 * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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1.181 libusb 1.0.19

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This code is derived from section 17.1 of Applied Cryptography,
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Here the stream cipher has been modified always to include the time
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This code implements the MD5 message-digest algorithm.
The algorithm is due to Ron Rivest. This code was
written by Colin Plumb in 1993, no copyright is claimed.
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Equivalent code is available from RSA Data Security, Inc.
This code has been tested against that, and is equivalent,
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with every copy.

To compute the message digest of a chunk of bytes, declare an
MD5Context structure, pass it to MD5Init, call MD5Update as
needed on buffers full of bytes, and then call MD5Final, which
will fill a supplied 16-byte array with the digest.

--

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1.185 sysklogd 1.5.0

1.185.1 Available under license :

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1.186 libyaml 0.1.5

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1.187 findutils 6.5

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1.189 libevent 2.1.8

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*
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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1.195 golang 1.19.4

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1.196 netkit-ftp 0.17

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* from: @(#)pathnames.h 5.2 (Berkeley) 6/1/90
* $Id: pathnames.h,v 1.1 1996/07/13 23:46:07 dholland Exp $
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* $Id: ftp_var.h,v 1.12 1999/10/02 18:39:17 dholland Exp $
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* /opt/cola/permits/1424598639_1663921273.110989/0/netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/ftp_var.h

1.197 e2fsprogs 1.43

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files of the EXT2 file system utilities. The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

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*/
Index: tdbsa/tdb.c
===
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
 /*
-   Unix SMB/CIFS implementation.
+   trivial database library - standalone version

-   trivial database library - private includes
-
-   Copyright (C) Andrew Tridgell   2005
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Theodore Ts'o
23-June-2007

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That's all there is to it!
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
 @echo " MKDIR pic"
 @mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:  $(BSD_LIB)

$(BSD_LIB): $(OBJS)
 (cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
 $(MV) pic/$(BSD_LIB) .
 $(RM) -f ../$(BSD_LIB)
 (cd ..; $(LN) $(LINK_BUILD_FLAGS) \
  `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
 @echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
 @$(INSTALL_PROGRAM) $(BSD_LIB) \
  $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
 @-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs
```

uninstall-shlibs uninstall::
 $(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
 $(RM) -rf pic
 $(RM) -f $(BSD_LIB)
 $(RM) -f ../$(BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
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Gadi Oxman, August 1995

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==========

Python was created in the early 1990s by Guido van Rossum at Stichting
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successor of a language called ABC. Guido remains Python's principal author,
although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National
Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston,
Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to
form the BeOpen PythonLabs team. In October of the same year, the PythonLabs
team moved to Digital Creations (now Zope Corporation; see
http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see
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2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	no
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Mersenne Twister

The :mod:`_random` module includes code based on a download from
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the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and
:func:`getnameinfo`, which are coded in separate source files from the WIDE
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Asynchronous socket services

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between ascii and binary. This results in a 1000-fold speedup. The C
  version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls

The :mod:`xmlrpc.client` module contains the following notice::

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SipHash24

The file :file:`Python/pyhash.c` contains Marek Majkowski' implementation of
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Original location:
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  djb (supercop/crypto_auth/siphash24/little2)
  Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and
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cfuhash

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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1.203 busybox 1.22.1

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Julian Seward, Cambridge, UK.
jseward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006
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