

Recover Your Password through CLI on CMX 10.5 & Later

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Introduction

This document describes the procedure for recovering lost CLI passwords for usernames 'root' and 'cmxadmin' for CMX 10.5 & above.

Pre-requisites

Requirements

None

Components used

CMX 10.5 VM

Procedure

CMX 10.5 (and above) runs on CentOS 7 as shown below:

```
[cmxadmin@glitz etc]$ cat /etc/centos-release
CentOS Linux release 7.4.1708 (Core)
[cmxadmin@glitz etc]$
```

Console access is required for this procedure. It could be the VM Console or the physical console depending on the type of appliance used in the deployment.

Step 1

Restart the CMX server and wait until the GRUB boot screen shows up. Select the highlighted option (for rescue mode) & press "e" to edit.

```
CentOS Linux (3.10.0-602.el7.x86_64) 7 (Core)
CentOS Linux (0-rescue-3c33366f0026410bbe151a96588ab0a8) 7 (Core)
```

Note:

For CMX 10.6 & above, if prompted for a username and/or password, enter the credentials as username: root and password: password (not the configured root password on the server).

Step 2

Scroll down to the line which starts with "linux16" and remove the "rhgb quiet" parameter at the end of the line. (In latest versions, it can be "rhgb quiet rd.shell = 0")

```
insmod ext2
set root='hd0,msdos1'
if [ x$feature_platform_search_hint = xy ]; then
    search --no-floppy --fs-uuid --set=root --hint-bios=hd0,msdos1 --hin\
t-efi=hd0,msdos1 --hint-baremetal=ahci0,msdos1 --hint='hd0,msdos1' cade620e-a\
f0d-4dd6-8f4e-d64538b2ee7f
else
    search --no-floppy --fs-uuid --set=root cade620e-af0d-4dd6-8f4e-d645\
38b2ee7f
fi
linux16 /vmlinuz-0-rescue-3c33366f0026410bbe151a96588ab0a8 root=/dev/M\
apper/vg_cmx-lv_root no crashkernel=auto rd.lvm.lv=vg_cmx/lv_root rd.lvm.lv=vg\
_cmx/lv_swap rhgb quiet
initrd0 /initramfs-0-rescue-3c33366f0026410bbe151a96588ab0a8.img

Press Ctrl-x to start, Ctrl-c for a command prompt or Escape to
discard edits and return to the menu. Pressing Tab lists
possible completions.
```

Step 3

After removing the parameter in Step 2, add the option "rd.break enforcing=0" on the same line.

```
linux16 /vmlinuz-0-rescue-3c33366f0026410bbe151a96588ab0a8 root=/dev/M\
apper/vg_cmx-lv_root no crashkernel=auto rd.lvm.lv=vg_cmx/lv_root rd.lvm.lv=vg\
_cmx/lv_swap rd.break enforcing=0
initrd0 /initramfs-0-rescue-3c33366f0026410bbe151a96588ab0a8.img
```

Step 4

Once complete, press CTRL + X to load the system and boot in Emergency mode. You would notice a new prompt.

```
Generating "/run/initramfs/rdsosreport.txt"
```

```
Entering emergency mode. Exit the shell to continue.
```

```
type journalctl to view system logs.
```

```
You might want to save "/run/initramfs/rdsosreport.txt" to a USB stick or /boot  
after mounting them and attach it to a bug report.
```

```
switch_root:/# [ 109.864205] random: crng init done
```

```
switch_root:/#
```

```
switch_root:/#
```

```
switch_root:/#
```

Step 5

Remount the file system to be able to write to it, as it is mounted for read-only using the command below:

```
mount -o remount, rw /sysroot
```

```
switch_root:/#
```

```
switch_root:/#
```

```
switch_root:/# mount -o remount, rw /sysroot
```

```
[ 242.510242] EXT4-fs (dm-0): re-mounted. Opts: (null)
```

```
switch_root:/#
```

```
switch_root:/#
```

Step 6

Change the file system root as shown and you would notice the prompt change once complete.

```
chroot /sysroot
```

Step 7

Change the password using the `passwd <username>` command. In the example below, passwords for both `cmxadmin` and `root` usernames are changed.

```
sh-4.2#  
sh-4.2# passwd cmxadmin  
Changing password for user cmxadmin.  
New password:  
Retype new password:  
passwd: all authentication tokens updated successfully.  
sh-4.2#  
sh-4.2#  
sh-4.2#  
sh-4.2# passwd root  
Changing password for user root.  
New password:  
Retype new password:  
passwd: all authentication tokens updated successfully.  
sh-4.2#
```

Step 8

Remount the filesystem as Read only using this command:

```
mount -o remount, ro /
```

```
sh-4.2#  
sh-4.2# mount -o remount,ro /  
[ 960.330623] EXT4-fs (dm-0): re-mounted. Opts: (null)  
sh-4.2#
```

Step 9

Type `'exit'` two times to get to the CMX login menu

You are now be able to login with your new credentials