



以前のリリースから Cisco IOS XE 17.10 以降へのアップグレード

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- [SDFlash から SDFlash](#) (10 ページ)
- [Flash から SDFlash](#) (14 ページ)

SDFlash から Flash

このシナリオでは、スイッチで実行されている Cisco IOS XE 17.9.x 以前を Cisco IOS XE 17.10.x 以降にアップグレードします。

- Cisco IOS XE は SDFlash から実行されていますが、17.10 イメージは Flash から実行される必要があります。
- 手順が完了すると、Cisco IOS XE イメージと startup-config はいずれも引き続きオンボード Flash から起動されます。

アップグレード手順

次の手順を実行します。

1. running-config を SDFlash から Flash に同期します。
2. Cisco IOS XE 17.10 イメージをダウンロードし、イメージを Flash に保持します。
3. 次の ROM モニター環境変数を設定します。
 1. no boot system
 2. no boot manual
 3. boot system flash:<your-switch>-universalk9.17.10.01.SPA.bin
 4. boot flash-primary

4. システムをリロードします。
5. リロード後、ブートローダー アップグレードがスイッチで実行され、Flash から Cisco IOS XE 17.10 が起動されます。

例

```

IE-3200-8P2S#sync sdflash: flash: skip ios-image
BOOT Image: ie3x00-universalk9.17.08.01.SPA.bin

Skip file IOS-image : [OK]
Verifying src nvram_config : [OK]
Verifying dst nvram_config file : [OK]
Verifying src cfg.dat : [OK]
Verifying dst cfg.dat file : [OK]
Syncing IOS image file(s) and directory from 'sdflash' to 'flash' ....
Copying from sdflash: ie3x00-universalk9.17.08.01.SPA.bin to flash:
ie3x00-universalk9.17.08.01.SPA.bin : [OK]
Syncing nvram_config file from sdflash to flash : [OK]
Syncing cfg.dat file from sdflash to var : [OK]
Update Boot Variable:BOOT=flash: ie3x00-universalk9.17.08.01.SPA.bin;

IE-3200-8P2S#dir flash:
Directory of flash:/

 7      -rwx           33554432  Dec 28 2021 10:49:02  nvram_config
12      drwx            8192    Dec 14 2021 19:12:08  ProfinetGSD
11      -rwx            0      Dec 10 2021 06:27:12  dlr.dat
10      drwx            8192    Dec  8 2021 11:47:26  EDScisco
 9      drwx            8192    Dec  8 2021 10:41:50  moncfg
 8      -r-x           344874593  May 31 2021 20:29:40  ie3x00-universalk9.17.10.01.SPA.bin

15914926080 bytes total (15351865344 bytes free)

IE-3200-8P2S(config)#no boot system
IE-3200-8P2S(config)#boot system flash:ie3x00-universalk9.17.10.01.SPA.bin
IE-3200-8P2S(config)#no boot manual
IE-3200-8P2S(config)#boot flash-primary

IE-3200-8P2S#show boot
Current Boot Variables:
BOOT variable does not exist

Boot Variables on next reload:
Config file = flash:nvram_config
ENABLE_FLASH_PRIMARY_BOOT = yes
MANUAL_BOOT variable = no

IE-3200-8P2S#write memory
Building configuration...
[OK]

IE-3200-8P2S#reload
Proceed with reload? [confirm]

*Sep  7 06:58:56.520: %SYS-5-RELOAD: Reload requested by console. Reload Reason: Reload
Command.
watchdog: watchdog0: watchdog did not stop!
reboot: Restarting system

Initializing disk drivers...
Initializing file systems...

```

```

*****
* Rom Monitor for IE3x00                                     *
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* Version: 7.0.14
* Compiled: Wed 20-Apr-22 22:53 [DEVELOPMENT SOFTWARE]
* Boot Partition: qspi-upgrade-bootloader
* Reset Reason: Soft Reset
* REL and DEV keys installed

Loading "flash:ie3x00-universalk9.17.10.01.SPA.bin" to memory...
Verifying image "flash:ie3x00-universalk9.17.10.01.SPA.bin"...
Image passed digital signature verification
Booting DEV key signed image
HW doesn't requires SR package

Booting ss-rommon...
Version: 8.0.1
Compiled: Tue 19-Jul-22 23:46 [DEVELOPMENT SOFTWARE]

Address Map      : Total: 493832633 bytes
Image Header    : 0x00000000 size: 1352
IOT Pkg Header: 0x00000548 size: 1340
SS-Rommon      : 0x00000a84 size: 628960
Sup PL[01]     : 0x00186058 size: 5568668
LC FPGA[01]    : 0x006d5e4c size: 9486162
LC FPGA[02]    : 0x00fe22f6 size: 9486162
LC FPGA[03]    : 0x018ee7a0 size: 9484082
LC FPGA[11]    : 0x021fa42a size: 9486162
LC FPGA[12]    : 0x02b068d4 size: 9486162
LC FPGA[13]    : 0x03412d7e size: 9484082
Rtos[01]       : 0x0009a8c0 size: 963132
BL[2097153]    : 0x03d1ea14 size: 952896
RP_Boot Header: 0x03e07454 size: 1340
Kernel         : 0x03e07990 size: 28500544
Dtb            : 0x05935bd0 size: 43754
InitRamFs      : 0x059406ba size: 25432831
ISO images     : 0x071819b9 size: 374812672

Checking for Bootloader upgrade...
New version = 8.0.1 [DEVELOPMENT SOFTWARE], Current version = 7.0.14 [DEVELOPMENT SOFTWARE]
Erasing 4063232 bytes @ 0x400000
.....
Writing 944704 bytes @ 0x400000 .....
Verifying 944704 bytes @ 0x400000 .....
Erasing 4063232 bytes @ 0x0 .....
Writing 952896 bytes @ 0x0 .....
Verifying 952896 bytes @ 0x0 .....
Bootloader upgrade successful
Resetting...

Initializing disk drivers...
Initializing file systems...

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* Rom Monitor for IE3x00                                     *
* Copyright (c) 2017-2021 by Cisco Systems, Inc.           *
* All rights reserved.                                     *
*****

* Version: 8.0.1

```

```

* Compiled: Tue 19-Jul-22 23:46 [DEVELOPMENT SOFTWARE]
* Boot Partition: qspi-upgrade-bootloader
* Reset Reason: Soft Reset
* REL and DEV keys installed

Loading "flash:ie3x00-universalk9.17.10.01.SPA.bin" to memory...
Verifying image "flash:ie3x00-universalk9.17.10.01.SPA.bin"...
Image passed digital signature verification
Booting DEV key signed image
HW doesn't requires SR package

Booting ss-rommon...
Version: 8.0.1
Compiled: Tue 19-Jul-22 23:46 [DEVELOPMENT SOFTWARE]

Address Map      : Total: 493832633 bytes
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IOT Pkg Header  : 0x00000548 size: 1340
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Sup PL[01]     : 0x00186058 size: 5568668
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Kernel         : 0x03e07990 size: 28500544
Dtb            : 0x05935bd0 size: 43754
InitRamFs      : 0x059406ba size: 25432831
ISO images     : 0x071819b9 size: 374812672

Checking for Bootloader upgrade...
Bootloader upgrade not required
SUP PL (profile: 1) configuration done successfully
RTOS (profile: 1) boot successful

Taking BP out of reset
Taking LC1 out of reset

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Software clause at DFARS sec. 252.227-7013.

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, California 95134-1706

Cisco IOS Software [Dublin], IE3x00 Switch Software (IE3x00-UNIVERSALK9-M), Experimental
Version 17.10.20220906:152208 [ie3x00-universalk9.17.10.01:/nobackup/mcpre/s2c-build-ws
101]
Copyright (c) 1986-2022 by Cisco Systems, Inc.
Compiled Tue 06-Sep-22 08:22 by mcpre

```

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% Failed to initialize backup nvram

cisco IE-3200-8P2S (ARM) processor (revision V01) with 429901K/6147K bytes of memory.
Processor board ID FOC2213V1QC
1 Virtual Ethernet interface
10 Gigabit Ethernet interfaces
32768K bytes of non-volatile configuration memory.
1968556K bytes of physical memory.
523264K bytes of crashinfo at crashinfo:.
1638400K bytes of Flash at flash:.
3887040K bytes of sdflash at sdflash:.

Base Ethernet MAC Address	: f8:b7:e2:e5:25:80
Motherboard Assembly Number	: 73-101446-05
Motherboard Serial Number	: FOC221223CJ
Model Revision Number	: V01
Motherboard Revision Number	: 5
Model Number	: IE-3200-8P2S
System Serial Number	: FOC2213V1QC
Top Assembly Part Number	: 68-101575-01
Top Assembly Revision Number	: 26
System FPGA version	: 0.89.2
CIP Serial Number	: 0x4AE52580
SKU Brand Name	: Cisco

Press RETURN to get started!

Flash から Flash

このシナリオでは、スイッチで実行されている Cisco IOS XE 17.9.x 以前を Cisco IOS XE 17.10.x 以降にアップグレードします。

- Cisco IOS XE は Flash から実行されていますが、17.10 イメージは Flash から実行される必要があります。
- 手順が完了すると、Cisco IOS XE イメージと startup-config はいずれも引き続きオンボード Flash から起動されます。

アップグレード手順

次の手順を実行します。

1. Cisco IOS XE 17.10 イメージをダウンロードし、イメージを Flash に保持します。
2. 次の ROM モニター環境変数を設定します。
 1. no boot system*
 2. no boot manual
 3. boot flash-primary
 4. boot system flash:<your-switch>-universalk9.17.10.01.SPA.bin
3. システムをリロードします。
4. リロード後、ブートローダーアップグレードがスイッチで実行され、Flash から Cisco IOS XE 17.10 が起動されます。



(注) * SDFlash に以前に設定されたブートパスがある場合、Cisco IOS XE イメージを起動し、その変数の設定を解除して、そのブートパスをクリアする必要があります。その Cisco IOS XE イメージを SDFlash から交互に削除できます。

例

```
IE-3200-8P2S#show boot
Current Boot Variables:
BOOT variable = flash:ie3x00-universalk9.17.10.01.SPA.bin;

Boot Variables on next reload:
BOOT variable = flash:ie3x00-universalk9.17.10.01.SPA.bin;
Config file = flash:nvram_config
ENABLE_FLASH_PRIMARY_BOOT = yes
MANUAL_BOOT variable = no

IE-3200-8P2S#dir flash:
Directory of flash:/
```

```

7      -rwx          33554432  Dec 28 2021 10:49:02  nvram_config
12     drwx           8192    Dec 14 2021 19:12:08  ProfinetGSD
11     -rwx           0       Dec 10 2021 06:27:12  dlr.dat
10     drwx           8192    Dec 8 2021 11:47:26  EDScisco
9      drwx           8192    Dec 8 2021 10:41:50  moncfg
8      -r-x          344874593  May 31 2021 20:29:40  ie3x00-universalk9.17.10.01.SPA.bin
    
```

15914926080 bytes total (15351865344 bytes free)

IE-3200-8P2S#**reload**
 Proceed with reload? [confirm]

*Sep 7 07:55:31.273: %SYS-5-RELOAD: Reload requested by console. Reload Reason: Reload Command.

watchdog: watchdog0: watchdog did not stop!
 reboot: Restarting system

Initializing disk drivers...
 Initializing file systems...

```

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*****
    
```

```

* Version: 7.0.14
* Compiled: Wed 20-Apr-22 22:53 [DEVELOPMENT SOFTWARE]
* Boot Partition: qspi-upgrade-bootloader
* Reset Reason: Soft Reset
* REL and DEV keys installed
    
```

```

Loading "flash:ie3x00-universalk9.17.10.01.bin" to memory...
Verifying image "flash:ie3x00-universalk9.17.10.01.bin"...
Image passed digital signature verification
Booting DEV key signed image
HW doesn't requires SR package
    
```

```

Booting ss-rommon...
Version: 8.0.1
Compiled: Tue 19-Jul-22 23:46 [DEVELOPMENT SOFTWARE]
    
```

```

Address Map      : Total: 493832633 bytes
Image Header    : 0x00000000 size: 1352
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RP_Boot Header: 0x03e07454 size: 1340
Kernel         : 0x03e07990 size: 28500544
Dtb            : 0x05935bd0 size: 43754
InitRamFs      : 0x059406ba size: 25432831
ISO images     : 0x071819b9 size: 374812672
    
```

```

Checking for Bootloader upgrade...
New version = 8.0.1 [DEVELOPMENT SOFTWARE], Current version = 7.0.14 [DEVELOPMENT SOFTWARE]
    
```

```
Erasing 4063232 bytes @ 0x400000
.....
Writing 944704 bytes @ 0x400000 .....
Verifying 944704 bytes @ 0x400000 .....
Erasing 4063232 bytes @ 0x0 .....
Writing 952896 bytes @ 0x0 .....
Verifying 952896 bytes @ 0x0 .....
Bootloader upgrade successful
Resetting...

Initializing disk drivers...
Initializing file systems...

*****
* Rom Monitor for IE3x00 *
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*****

* Version: 8.0.1
* Compiled: Tue 19-Jul-22 23:46 [DEVELOPMENT SOFTWARE]
* Boot Partition: qspi-upgrade-bootloader
* Reset Reason: Soft Reset
* REL and DEV keys installed

Loading "flash:ie3x00-universalk9.17.10.01.bin" to memory...
Verifying image "flash:ie3x00-universalk9.17.10.01.bin"...
Image passed digital signature verification
Booting DEV key signed image
HW doesn't requires SR package

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Dtb : 0x05935bd0 size: 43754
InitRamFs : 0x059406ba size: 25432831
ISO images : 0x071819b9 size: 374812672

Checking for Bootloader upgrade...
Bootloader upgrade not required
SUP PL (profile: 1) configuration done successfully
RTOS (profile: 1) boot successful

Taking BP out of reset
Taking LC1 out of reset
```

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Cisco Systems, Inc.
170 West Tasman Drive
San Jose, California 95134-1706

Cisco IOS Software [Dublin], IE3x00 Switch Software (IE3x00-UNIVERSALK9-M), Experimental Version 17.10.20220906:152208 [ie3x00-universalk9.17.10.01:/nobackup/mcpre/s2c-build-ws101]
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Compiled Tue 06-Sep-22 08:22 by mcpre

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cisco IE-3200-8P2S (ARM) processor (revision V01) with 429901K/6147K bytes of memory.
Processor board ID FOC2213V1QC
1 Virtual Ethernet interface
10 Gigabit Ethernet interfaces
32768K bytes of non-volatile configuration memory.
1968556K bytes of physical memory.
523264K bytes of crashinfo at crashinfo:.
1638400K bytes of Flash at flash:.
3887040K bytes of sdflash at sdflash:.

Base Ethernet MAC Address : f8:b7:e2:e5:25:80
Motherboard Assembly Number : 73-101446-05
Motherboard Serial Number : FOC221223CJ
Model Revision Number : V01
Motherboard Revision Number : 5
Model Number : IE-3200-8P2S

```

System Serial Number       : FOC2213V1QC
Top Assembly Part Number  : 68-101575-01
Top Assembly Revision Number : 26
System FPGA version       : 0.89.2
CIP Serial Number         : 0x4AE52580
SKU Brand Name            : Cisco

```

Press RETURN to get started!

SDFlash から SDFlash

このシナリオでは、スイッチで実行されている Cisco IOS XE 17.9.x 以前を Cisco IOS XE 17.10.x 以降にアップグレードします。

- 17.9 と 17.10 のイメージはいずれも、SDFlash バンドルモードから実行する必要があります。
- 手順が完了すると、Cisco IOS XE イメージと startup-config はいずれも引き続きオンボード Flash から起動されます。

アップグレード手順

次の手順を実行します。

1. **sync** コマンドを使用して、**running-config** を Flash にコピーします。
2. Cisco IOS XE 17.10 イメージをダウンロードし、イメージを SDFlash に保持します。次に、SDFlash および Flash から他のすべての Cisco IOS XE イメージを削除します。
3. SDFlash から現在のブートパスの設定を解除します。
4. システムをリロードします。
5. リロード後、ブートローダー アップグレードがスイッチで実行され、バンドルモードで SDFlash から Cisco IOS XE 17.10 が起動されます。

例

```

IE-3200-8P2S#sync sdflash: flash: skip ios-image
BOOT Image: ie3x00-universalk9.17.08.01.SPA.bin

Skip file IOS-image : [OK]
Verifying src nvram_config : [OK]
Verifying dst nvram_config file : [OK]
Verifying src cfg.dat : [OK]
Verifying dst cfg.dat file : [OK]
Syncing IOS image file(s) and directory from 'sdflash' to 'flash' ....
Copying from sdflash: ie3x00-universalk9.17.08.01.SPA.bin to flash:
ie3x00-universalk9.17.08.01.SPA.bin : [OK]
Syncing nvram_config file from sdflash to flash : [OK]
Syncing cfg.dat file from sdflash to var : [OK]
Update Boot Variable:BOOT=flash: ie3x00-universalk9.17.08.01.SPA.bin;

```

```

Switch#dir sdflash:
Directory of sdflash:/

 7      -rwx           33554432  Dec 28 2021 10:49:02  nvram_config
 6      -rwx           490898361  Dec 28 2021 10:48:36  petra.bin
12      drwx              8192    Dec 14 2021 19:12:08  ProfinetGSD
11      -rwx              0      Dec 10 2021 06:27:12  dlr.dat
10      drwx              8192    Dec 8 2021 11:47:26  EDScisco
 9      drwx              8192    Dec 8 2021 10:41:50  moncfg
 8      -r-x           344874593  May 31 2021 20:29:40  ie3x00-universalk9.17.10.01.SPA.bin

15914926080 bytes total (15351865344 bytes free)

Switch#dir flash:
Directory of flash:/

24398  -rw-           33554432  Dec 31 2021 06:37:04  nvram_config_bkup
24383  -rw-           33554432  Dec 31 2021 06:37:03  nvram_config
24345  drwx              4096    Dec 28 2021 18:56:35  .installer
24354  -rw-           46732    Dec 28 2021 18:47:31  pnap.dat
24393  drwx              4096    Dec 28 2021 18:47:16  EDSrockwell
24564  drwx              4096    Dec 28 2021 18:47:14  ProfinetGSD
56806  drwx              4096    Dec 28 2021 18:46:45  dc_profile_dir
24384  -rw-              796    Dec 28 2021 12:13:23  vlan.dat
24346  drwx              4096    Dec 28 2021 12:12:43  .rollback_timer

1697755136 bytes total (503046144 bytes free)

IE-3200-8P2S(config)#no boot manual
IE-3200-8P2S(config)#no boot system
IE-3200-8P2S(config)#no boot flash-primary

IE-3200-8P2S#show boot
Current Boot Variables:
BOOT variable does not exist

Boot Variables on next reload:
Config file = sdflash:nvram_config
ENABLE_FLASH_PRIMARY_BOOT = no
MANUAL_BOOT variable = no
ENABLE_BREAK variable = yes

IE-3200-8P2S#write memory
Building configuration...
[OK]

IE-3200-8P2S#reload
Proceed with reload? [confirm]

*Sep 7 05:58:23.529: %SYS-5-RELOAD: Reload requested by console. Reload Reason: Reload
Command.
watchdog: watchdog0: watchdog did not stop!
reboot: Restarting system

Initializing disk drivers...
Initializing file systems...

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```

```

* Version: 7.0.14
* Compiled: Wed 20-Apr-22 22:53 [DEVELOPMENT SOFTWARE]
* Boot Partition: qspi-upgrade-bootloader
* Reset Reason: Soft Reset
* REL and DEV keys installed

Loading "sdflash:/ie3x00-universalk9.17.10.01.SPA.bin" to memory...
Verifying image "sdflash:/ie3x00-universalk9.17.10.01.SPA.bin"...
Image passed digital signature verification
Booting DEV key signed image
HW doesn't requires SR package

Booting ss-rommon...
Version: 8.0.1
Compiled: Tue 19-Jul-22 23:46 [DEVELOPMENT SOFTWARE]

Address Map      : Total: 493832633 bytes
Image Header    : 0x00000000 size: 1352
IOT Pkg Header  : 0x00000548 size: 1340
SS-Rommon       : 0x00000a84 size: 628960
Sup PL[01]      : 0x00186058 size: 5568668
LC FPGA[01]     : 0x006d5e4c size: 9486162
LC FPGA[02]     : 0x00fe22f6 size: 9486162
LC FPGA[03]     : 0x018ee7a0 size: 9484082
LC FPGA[11]     : 0x021fa42a size: 9486162
LC FPGA[12]     : 0x02b068d4 size: 9486162
LC FPGA[13]     : 0x03412d7e size: 9484082
Rtos[01]        : 0x0009a8c0 size: 963132
BL[2097153]     : 0x03dlea14 size: 952896
RP_Boot Header  : 0x03e07454 size: 1340
Kernel          : 0x03e07990 size: 28500544
Dtb             : 0x05935bd0 size: 43754
InitRamFs       : 0x059406ba size: 25432831
ISO images      : 0x071819b9 size: 374812672

Checking for Bootloader upgrade...
New version = 8.0.1 [DEVELOPMENT SOFTWARE], Current version = 7.0.14 [DEVELOPMENT SOFTWARE]
Erasing 4063232 bytes @ 0x400000
.....
Writing 944704 bytes @ 0x400000 .....
Verifying 944704 bytes @ 0x400000 .....
Erasing 4063232 bytes @ 0x0 .....
Writing 952896 bytes @ 0x0 .....
Verifying 952896 bytes @ 0x0 .....
Bootloader upgrade successful
Resetting...

Initializing disk drivers...
Initializing file systems...

*****
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* Version: 8.0.1
* Compiled: Tue 19-Jul-22 23:46 [DEVELOPMENT SOFTWARE]
* Boot Partition: qspi-upgrade-bootloader
* Reset Reason: Soft Reset
* REL and DEV keys installed

Loading "sdflash:/ie3x00-universalk9.17.10.01.SPA.bin" to memory...
Verifying image "sdflash:/ie3x00-universalk9.17.10.01.SPA.bin"...

```

```
Image passed digital signature verification
Booting DEV key signed image
HW doesn't requires SR package

Booting ss-rommon...
Version: 8.0.1
Compiled: Tue 19-Jul-22 23:46 [DEVELOPMENT SOFTWARE]

Address Map : Total: 493832633 bytes
Image Header : 0x00000000 size: 1352
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Dtb : 0x05935bd0 size: 43754
InitRamFs : 0x059406ba size: 25432831
ISO images : 0x071819b9 size: 374812672
```

```
Checking for Bootloader upgrade...
Bootloader upgrade not required
SUP PL (profile: 1) configuration done successfully
RTOS (profile: 1) boot successful
```

```
Taking BP out of reset
Taking LCl out of reset
```

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Cisco Systems, Inc.
170 West Tasman Drive
San Jose, California 95134-1706

Cisco IOS Software [Dublin], IE3x00 Switch Software (IE3x00-UNIVERSALK9-M), Experimental Version 17.10.20220906:152208 [ie3x00-universalk9.17.10.01:/nobackup/mcpre/s2c-build-ws101]

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Compiled Tue 06-Sep-22 08:22 by mcpre

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% Failed to initialize backup nvram

```
cisco IE-3200-8P2S (ARM) processor (revision V01) with 429901K/6147K bytes of memory.
Processor board ID FOC2213V1QC
1 Virtual Ethernet interface
10 Gigabit Ethernet interfaces
32768K bytes of non-volatile configuration memory.
1968556K bytes of physical memory.
523264K bytes of crashinfo at crashinfo:.
1638400K bytes of Flash at flash:.
3887040K bytes of sdflash at sdflash:.
```

```
Base Ethernet MAC Address       : f8:b7:e2:e5:25:80
Motherboard Assembly Number    : 73-101446-05
Motherboard Serial Number      : FOC221223CJ
Model Revision Number          : V01
Motherboard Revision Number    : 5
Model Number                   : IE-3200-8P2S
System Serial Number           : FOC2213V1QC
Top Assembly Part Number       : 68-101575-01
Top Assembly Revision Number   : 26
System FPGA version            : 0.89.2
CIP Serial Number              : 0x4AE52580
SKU Brand Name                  : Cisco
```

Press RETURN to get started!

Flash から SDFlash

このシナリオでは、スイッチで実行されている Cisco IOS XE 17.9.x 以前を Cisco IOS XE 17.10.x 以降にアップグレードします。

- Cisco IOS XE 17.9.x 以前は Flash から実行されていますが、Cisco IOS XE 17.10 イメージは SDFlash から実行される必要があります。

- 手順が完了すると、Cisco IOS XE イメージは SDFlash から起動しますが、startup-config は オンボード Flash から読み取られます。



重要 これは推奨のシナリオではありません。

アップグレード手順

次の手順を実行します。

1. Cisco IOS XE 17.10 イメージをダウンロードし、イメージを SDFlash に保持します。
2. 次の ROM モニター環境変数を設定します。
 1. no boot system
 2. no boot manual
 3. boot flash-primary
3. Cisco IOS XE 17.10 イメージを除く、他のすべてのブート可能なイメージファイルを SDFlash から削除します。
4. システムをリロードします。
5. ブートローダー アップグレードがスイッチで実行され、SDFlash から Cisco IOS XE 17.10 が起動されます。

例

```
IE-3200-8P2S(config)#no boot system
IE-3200-8P2S(config)#no boot manual
IE-3200-8P2S(config)#no boot flash-primary

Switch#dir sdflash:
Directory of sdflash:/

 8  -r-x  344874593  May 31 2021 20:29:40  ie3x00-universalk9.17.10.01.SPA.bin

15914926080 bytes total (15351865344 bytes free)

IE-3200-8P2S#reload
Proceed with reload? [confirm]

*Sep  7 08:24:56.320: %SYS-5-RELOAD: Reload requested by console. Reload Reason: Reload
Command.
watchdog: watchdog0: watchdog did not stop!
reboot: Restarting system

Initializing disk drivers...
Initializing file systems...
Error: Unable to find ROMMON configuration path in SD

SD: ROMMON configuration is being initialized to default values
```

```

*****
* Rom Monitor for IE3x00                                     *
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*****

* Version: 7.0.14
* Compiled: Wed 20-Apr-22 22:53 [DEVELOPMENT SOFTWARE]
* Boot Partition: qspi-upgrade-bootloader
* Reset Reason: Soft Reset
* REL and DEV keys installed

Loading "sdflash:/ie3x00-universalk9.17.10.01.bin" to memory...
Verifying image "sdflash:/ie3x00-universalk9.17.10.01.bin"...
Image passed digital signature verification
Booting DEV key signed image
HW doesn't requires SR package

Booting ss-rommon...
Version: 8.0.1
Compiled: Tue 19-Jul-22 23:46 [DEVELOPMENT SOFTWARE]

Address Map      : Total: 493832633 bytes
Image Header    : 0x00000000 size: 1352
IOT Pkg Header: 0x00000548 size: 1340
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Checking for Bootloader upgrade...
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.....
Writing 944704 bytes @ 0x400000 .....
Verifying 944704 bytes @ 0x400000 .....
Erasing 4063232 bytes @ 0x0 .....
Writing 952896 bytes @ 0x0 .....
Verifying 952896 bytes @ 0x0 .....
Bootloader upgrade successful
Resetting...

Initializing disk drivers...
Initializing file systems...

*****
* Rom Monitor for IE3x00                                     *
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*****

* Version: 8.0.1
* Compiled: Tue 19-Jul-22 23:46 [DEVELOPMENT SOFTWARE]

```



```

* Boot Partition: qspi-upgrade-bootloader
* Reset Reason: Soft Reset
* REL and DEV keys installed

Loading "sdflash:/ie3x00-universalk9.17.10.01.bin" to memory...
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Checking for Bootloader upgrade...
Bootloader upgrade not required
SUP PL (profile: 1) configuration done successfully
RTOS (profile: 1) boot successful

Taking BP out of reset
Taking LC1 out of reset

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Cisco Systems, Inc.
170 West Tasman Drive
San Jose, California 95134-1706

Cisco IOS Software [Dublin], IE3x00 Switch Software (IE3x00-UNIVERSALK9-M), Experimental
Version 17.10.20220906:152208 [ie3x00-universalk9.17.10.01:/nobackup/mcpre/s2c-build-ws
101]
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Compiled Tue 06-Sep-22 08:22 by mcpre

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```

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Model Revision Number	: V01
Motherboard Revision Number	: 5
Model Number	: IE-3200-8P2S
System Serial Number	: FOC2213V1QC
Top Assembly Part Number	: 68-101575-01
Top Assembly Revision Number	: 26
System FPGA version	: 0.89.2
CIP Serial Number	: 0x4AE52580
SKU Brand Name	: Cisco

Press RETURN to get started!

翻訳について

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