

HP A-Series Switches

Brand Migration Feature Guide



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About the brand migration feature

The brand migration feature automatically replaces H3C or 3Com brand information with HP brand information for an H3C or 3Com switch to migrate to an HP switch. This feature is now available for the HP A5120 EI, and A5120 SI, A5500 EI, A5500 SI, A5800, A5820X switches. You can use these switches to form heterogeneous multi-brand IRF fabrics with the H3C and 3Com switches in [Table 1](#), and replace the brand specific information for the H3C and 3Com switches. For the HP switch models mapped to the H3C/3Com switch models, see [“Appendix A H3C/3Com to HP switch model mappings.”](#)

Table 1 HP and H3C/3Com switches that support heterogeneous multi-brand IRF fabrics

HP switches	H3C/3Com switches
HP A5120 EI Switch Series	H3C S5120-EI Switch Series, 3Com Switch 4210G
HP A5120 SI Switch Series	H3C S5120-SI Switch Series
HP A5500 EI Switch Series	H3C S5500-EI Switch Series, 3Com Switch 4800G
HP A5500 SI Switch Series	H3C S5500-EI Switch Series, 3Com Switch 4510G
HP A5800 Switch Series	H3C S5800 Switch Series
HP A5820X Switch Series	H3C S5820X Switch Series

This feature prevents the following problems that a master re-election would bring when you manage your network with IMC:

- Device information changes, including the vendor name, device model, and device panels.
- Removal of performance indices and data. IMC would use the default monitor settings to monitor the new master.
- Re-collection of information about cards and other hardware components.
- Topology recalculation and configuration re-deployment that would result from port numbering differences between the old and new masters.

Migrating brand information

Migration guidelines

To make sure that an IRF fabric and all its switches can correctly work after a brand migration, follow these guidelines:

- If the H3C or 3Com switch has a fiber transceiver modules not licensed by HP, replace it with an HP licensed fiber transceiver module before the migration. Any non-HP licensed fiber transceiver module cannot work after a brand migration.
- After a 3Com switch migrates to an HP switch:
 - The baud rate of its console port automatically changes from 19200 bps to 9600 bps. You must make sure that the console terminal uses the same baud rate as the console port.
 - The order of its physical ports changes to be the same as on the HP switch chassis, and the port numbers marked on the 3Com chassis panel become useless. You must create a port number map between the 3Com switch and the HP switch and re-configure the ports. For the order of the physical ports on the HP switch chassis, see its installation guide.
 - All the default settings change to be the same as on the HP switch. If the 3Com switch has a different default setting for a feature than the HP switch, you must reconfigure the feature or make sure that the difference does not impact your network.

Migration prerequisites

Perform the following tasks before you perform brand migration on an H3C or 3Com switch:

- Get the Boot ROM image and system software image for the HP switch that can form an IRF fabric with the H3C or 3Com switch (see [Table 1](#)).
- Use the HP Boot ROM image to upgrade the Boot ROM of the H3C or 3Com switch.
- Download the HP system software image to Flash memory and set it as the main file.

NOTE:

- If a switch uses a Boot ROM image file (in .btm) separate from the system software image file (in .bin), HP recommends that you use the bootrom update command to upgrade the Boot ROM. If no separate Boot ROM image file is released, the switch can automatically upgrades the Boot ROM when you upgrade the system software image.
- For the 3Com Switch 4510G, you must use the Boot ROM image for the HP A5120 EI switches to upgrade its Boot ROM and use the system software image for the HP A5500 SI switches as the main file.

Configuration procedure

△ CAUTION:

You cannot restore the original brand information after a brand migration.

Follow these steps to enable brand migration for H3C or 3Com switches:

To do...	Use the command...	Remarks
Enable brand migration	oem hp [slot <i>slot-number</i>]	Required In IRF mode, if you do not specify a member switch ID for the <i>slot-number</i> argument, the command applies to all IRF member switches.
Verify the current and new brand names	display oem	Optional
Reboot the switch to validate the migration	reboot [slot <i>slot-number</i>]	Required

NOTE:

- After the H3C or 3Com switch migrates to an HP switch, you can directly use the Boot ROM and system software images released for the HP switch to upgrade it.
- The default configuration varies with brands. After the brand migration, check the switch configuration to ensure that the IRF settings are consistent across all member switches so they can correctly set up an IRF fabric.

Brand migration examples

Migrating an H3C S5120-EI switch to an HP A5120 EI switch

Use the HP A5120 EI Boot ROM image to upgrade the Boot ROM of the H3C S5120-EI switch. (Details not shown)

Load the HP A120 EI system software image, set it as the main file, and reboot the switch. (Details not shown)

Display the brand name of the switch in user view.

```
<H3C> display oem
Current OEMs:
  Slot 1: H3C.
New OEMs:
  Slot 1: H3C.
```

Enable brand migration and verify that the brand has migrated to HP.

```
<H3C> oem hp
Configuration will take effect after next reboot, and can't be rolled back.
Do you want to continue?[Y/N]y
Configuration is successful.
```

Verify the new brand name.

```
<H3C> display oem
Current OEMs:
  Slot 1: H3C.
New OEMs:
  Slot 1: HP.
<H3C>
```

Reboot the switch and verify that the current brand has changed to HP.

```
<HP> display oem
Current OEMs:
  Slot 1: HP.
New OEMs:
  Slot 1: HP.
```

Migrating an H3C S5120-SI switch to an HP A5120 SI switch

Use the HP A5120 SI Boot ROM image to upgrade the Boot ROM of the H3C S5120-SI switch. (Details not shown)

Load the HP A5120 SI system software image, set it as the main file, and reboot the switch.

Display the brand name of the switch in user view.

```
<H3C> display oem
Current OEMs:
  Slot 1: H3C.
New OEMs:
  Slot 1: H3C.
```

Enable brand migration.

```
<H3C> oem hp
Configuration will take effect after next reboot, and can't be rolled back.
Do you want to continue?[Y/N]y
Configuration is successful.
```

Verify the new brand name.

```
<H3C> display oem
Current OEMs:
  Slot 1: H3C.
New OEMs:
  Slot 1: HP.
```

```
<H3C>
```

Reboot the switch and verify that the current brand has changed to HP.

```
<HP> display oem
Current OEMs:
  Slot 1: HP.
New OEMs:
  Slot 1: HP.
```

Migrating an H3C S5500-EI switch to an HP A5500 EI switch

Use the HP A5500 EI Boot ROM image (for example, update.btm) to upgrade the Boot ROM of the H3C S5500-EI switch.

```
<H3C> bootrom update file update.btm slot 1
This command will update bootrom file on the specified board(s), Continue? [Y/N]:y
Now updating bootrom, please wait...
Start accessing bootflash chip...
Bootrom update succeeded in slot 1.
```

Load the HP A5500 EI system software image, set it as the main file, and reboot the switch.

Display the brand name of the switch in user view.

```
<H3C> display oem
Current OEMs:
  Slot 1: H3C.
New OEMs:
  Slot 1: H3C.
```

Enable brand migration.

```
<H3C> oem hp
Configuration will take effect after next reboot, and can't be rolled back.
```

```
Do you want to continue?[Y/N]y
Configuration is successful.
```

Verify the new brand name.

```
<H3C> display oem
Current OEMs:
  Slot 1: H3C.
New OEMs:
  Slot 1: HP.
<H3C>
```

Reboot the switch and verify that the current brand has changed to HP.

```
<HP> display oem
Current OEMs:
  Slot 1: HP.
New OEMs:
  Slot 1: HP.
```

Migrating an H3C S5500-SI switch to an HP A5500 SI switch

Use the HP A5500 SI Boot ROM image to upgrade the Boot ROM of the H3C S5500-SI switch. (Details not shown)

Load the HP A5500 SI system software image, set it as the main file, and reboot the switch.

Display the brand name of the switch in user view.

```
<H3C> display oem
Current OEMs:
  Slot 1: H3C.
New OEMs:
  Slot 1: H3C.
```

Enable brand migration.

```
<H3C> oem hp
Configuration will take effect after next reboot, and can't be rolled back.
Do you want to continue?[Y/N]y
Configuration is successful.
```

Verify the new brand name.

```
<H3C> display oem
Current OEMs:
  Slot 1: H3C.
New OEMs:
  Slot 1: HP.
<H3C>
```

Reboot the switch and verify that the current brand has changed to HP.

```
<HP> display oem
Current OEMs:
  Slot 1: HP.
New OEMs:
```

Slot 1: HP.

Migrating an H3C S5800/S5820X switch to an HP A5800/A5820X switch

Load the HP A5800 or A5820X system software image, set it as the main file, and reboot the switch. (Details not shown)

Display the brand name of the switch in user view.

```
<H3C> display oem
```

```
Current OEMs:
```

```
Slot 1: H3C.
```

```
New OEMs:
```

```
Slot 1: H3C.
```

Enable brand migration.

```
<H3C> oem hp
```

```
Configuration will take effect after next reboot, and can't be rolled back.
```

```
Do you want to continue?[Y/N]y
```

```
Configuration is successful.
```

Verify the new brand name.

```
<H3C> display oem
```

```
Current OEMs:
```

```
Slot 1: H3C.
```

```
New OEMs:
```

```
Slot 1: HP.
```

```
<H3C>
```

Reboot the switch and verify that the current brand has changed to HP.

```
<HP> display oem
```

```
Current OEMs:
```

```
Slot 1: HP.
```

```
New OEMs:
```

```
Slot 1: HP.
```

Migrating a 3Com Switch 4210G to an HP A5120 EI switch

Use the HP A5120 EI Boot ROM image to upgrade the Boot ROM of the 3Com Switch 4210G. (Details not shown)

Load the HP A120 EI system software image, set it as the main file, and reboot the switch. (Details not shown)

Display the brand name of the switch in user view.

```
<4210G> display oem
```

```
Current OEMs:
```

```
Slot 1: 3COM.
```

```
New OEMs:
```

```
Slot 1: 3COM.
# Enable brand migration and verify the new brand name.
<4210G > oem hp
Configuration will take effect after next reboot, and can't be rolled back.
Do you want to continue? [Y/N]:y
Configuration is successful.
<4210G > display oem
Current OEMs:
Slot 1: 3COM.
New OEMs:
Slot 1: HP.
<4210G >
# Reboot the switch and verify that the current brand has migrated to HP.
```

NOTE:

The default baud rate of the console port changes to 9600 bps after brand migration. Before you log in through the console port, check that the baud rate setting of your terminal emulator is also 9600 bps.

```
<HP> display oem
Current OEMs:
Slot 1: HP.
New OEMs:
Slot 1: HP.
```

Migrating a 3Com Switch 4510G to an HP A5500 SI switch

NOTE:

For the 3Com Switch 4510G, you must use the Boot ROM image for the HP A5120 EI switches to upgrade its Boot ROM and use the system software image for the HP A5500 SI switches as the main file.

```
# Use the HP A5120 EI Boot ROM image to upgrade the Boot ROM of the 3Com Switch 4510G. (Details not shown)
# Load the HP A5500 SI system software image, set it as the main file, and reboot the switch. (Details not shown)
# Display the brand name of the switch in user view.
<4510G> display oem
Current OEMs:
Slot 1: 3COM.
New OEMs:
Slot 1: 3COM.
# Enable brand migration.
<4510G> oem hp
Configuration will take effect after next reboot, and can't be rolled back.
Do you want to continue?[Y/N]y
```

```
Configuration is successful.
```

```
# Verify the new brand name.
```

```
<4510G>display oem
```

```
Current OEMs:
```

```
Slot 1: 3COM.
```

```
New OEMs:
```

```
Slot 1: HP.
```

```
<4510G>
```

```
# Reboot the switch and verify that the current brand has changed to HP.
```

NOTE:

The default baud rate of the console port changes to 9600 bps after brand migration. Before you log in through the console port, check that the baud rate setting of your terminal emulator is also 9600 bps.

```
<HP> display oem
```

```
Current OEMs:
```

```
Slot 1: HP.
```

```
New OEMs:
```

```
Slot 1: HP.
```

Migrating a 3Com Switch 4800G to an HP A5500 EI switch

```
# Use the HP A5500 EI Boot ROM image to upgrade the Boot ROM of the 3Com Switch 4800G. (Details not shown)
```

```
# Load the HP A5500 EI system software image, set it as the main file, and reboot the switch. (Details not shown)
```

```
# Display the brand name of the switch in user view.
```

```
<4800G> display oem
```

```
Current OEMs:
```

```
Slot 1: 3COM.
```

```
New OEMs:
```

```
Slot 1: 3COM.
```

```
# Enable brand migration.
```

```
<4800G> oem hp
```

```
Configuration will take effect after next reboot, and can't be rolled back.
```

```
Do you want to continue? [Y/N]:y
```

```
Configuration is successful.
```

```
# Verify the new brand name.
```

```
<4800G> display oem
```

```
Current OEMs:
```

```
Slot 1: 3COM.
```

```
New OEMs:
```

```
Slot 1: HP.
```

```
<4800G>
```

Reboot the switch and verify that the current brand has migrated to HP.

NOTE:

The default baud rate of the console port changes to 9600 bps after brand migration. Before you log in through the console port, check that the baud rate setting of your terminal emulator is also 9600 bps.

```
<HP> display oem
```

```
Current OEMs:
```

```
Slot 1: HP.
```

```
New OEMs:
```

```
Slot 1: HP.
```

Brand migration command reference

display oem

Syntax

display oem

View

User view

Default level

1: Monitor level

Parameters

None

Description

Use the **display oem** command to display the original equipment manufacturer (OEM) names (or brand names) of IRF member switches. After you perform the **oem hp** command, you can use this command to verify the new brand name that will take effect at reboot. After the switch reboots, you can use this command to verify that the current brand name has changed to HP.

Examples

```
# Display OEM information.
```

```
<H3C> display oem
```

```
Current OEMs:
```

```
Slot 1: H3C.
```

```
Slot 2: HP.
```

```
New OEMs:
```

```
Slot 1: HP.
```

```
Slot 2: HP.
```

Table 2 Output description

Field	Description
Current OEMs	Current OEM names of IRF member switches
Slot	The OEM name of the IRF member switch with the specific ID
New OEMs	The OEM names that will take effect at reboot

oem hp

Syntax

oem hp [slot *slot-number*]

View

User view

Default level

2: System level

Parameters

slot *slot-number*. Specifies the ID of an IRF member switch. If this option is not specified, the command applies to all IRF member switches.

Description

Use the **oem hp** command to enable brand migration for an H3C or 3Com switch to migrate to an HP switch.

After you perform this command, use the **display oem** command to verify the new brand name and reboot the switch.



CAUTION:

You cannot restore the original brand information after a brand migration.

Examples

Enable brand migration.

```
<H3C> oem hp
```

```
Configuration will take effect after next reboot, and can't be rolled back.
```

```
Do you want to continue? [Y/N]: Y
```

```
Configuration is successful.
```

Appendix A H3C/3Com to HP switch model mappings

H3C to HP switch model mappings

H3C Switch model	HP switch model
S5120-EI series	
S5120-28C-EI	HP A5120-24G EI Switch with 2 Interface Slots
S5120-28C-PWR-EI	HP A5120-24G-PoE+ EI Switch with 2 Interface Slots
S5120-52C-EI	HP A5120-48G EI Switch with 2 Interface Slots
S5120-52C-PWR-EI	HP A5120-48G-PoE+ EI Switch with 2 Interface Slots
S5120-SI series	
S5120-20P-SI	HP A5120-16G SI Switch
S5120-28P-HPWR-SI	HP A5120-24G-PoE+ SI Switch
S5120-28P-PWR-SI	HP A5120-24G-PPoE+ SI Switch
S5120-28P-SI	HP A5120-24G SI Switch
S5120-52P-SI	HP A5120-48G SI Switch
S5500-EI series	
S5500-28C-EI	HP A5500-24G EI Switch with 2 Interface Slots
S5500-28C-PWR-EI	HP A5500-24G-PoE+ EI Switch with 2 Interface Slots
S5500-28F-EI	HP A5500-24G-SFP EI Switch with 2 Interface Slots
S5500-52C-EI	HP A5500-48G EI Switch with 2 Interface Slots
S5500-52C-PWR-EI	HP A5500-48G-PoE+ EI Switch with 2 Interface Slots
S5500-SI series	
S5500-28C-PWR-SI	HP A5500-24G-PoE+ SI Switch with 2 Interface Slots
S5500-28C-SI	HP A5500-24G SI Switch with 2 Interface Slots
S5500-52C-PWR-SI	HP A5500-48G-PoE+ SI Switch with 2 Interface Slots
S5500-52C-SI	HP A5500-48G SI Switch with 2 Interface Slots
S5800/5820X series	
S5800-32C	HP A5800-24G Switch
S5800-32C-PWR	HP A5800-24G-PoE+ Switch
S5800-32F	HP A5800-24G-SFP Switch with 1 Interface Slot
S5800-54S	HP A5800AF-48G Switch
S5800-56C	HP A5800-48G Switch with 1 Interface Slot

H3C Switch model	HP switch model
S5800-56C-PWR	HP A5800-48G-PoE+ Switch with 1 Interface Slot
S5800-60C-PWR	HP A5800-48G-PoE+ Switch with 2 Interface Slots
S5820X-26S	HP A5820AF-24XG Switch
S5820X-28C	HP A5820X-14XG-SFP+ Switch with 2 Interface Slots
S5820X-28S	HP A5820X-24XG-SFP+ Switch

3Com to HP switch model mappings

3Com Switch model	HP switch model
Switch 4210G family	
Switch 4210G 24-Port	HP A5120-24G EI Switch with 2 Interface Slots
Switch 4210G PWR 24-Port	HP A5120-24G-PoE+ EI Switch with 2 Interface Slots
Switch 4210G 48-Port	HP A5120-48G EI Switch with 2 Interface Slots
Switch 4210G PWR 48-Port	HP A5120-48G-PoE+ EI Switch with 2 Interface Slots
Switch 4510G family	
Switch 4510G 24-Port	HP A5500-24G SI Switch with 2 Interface Slots
Switch 4510G 48-Port	HP A5500-48G SI Switch with 2 Interface Slots
Switch 4800G family	
Switch 4800G 24-Port	HP A5500-24G EI Switch with 2 Interface Slots
Switch 4800G 24-Port SFP	HP A5500-24G-SFP EI Switch with 2 Interface Slots
Switch 4800G 48-Port	HP A5500-48G EI Switch with 2 Interface Slots
Switch 4800G PWR 48-Port	HP A5500-48G-PoE+ EI Switch with 2 Interface Slots