

The DES-6500 R1.20-B09 firmware supports the DES-6508 and DES-6510 line cards. If you add a DES-6508 or DES-6510 line card to a DES-6500 chassis then please follow these steps to upgrade your system.

Step 1: Check all line cards in the DES-6500 chassis switch. Make sure only DES-6505, DES-6507 or DES-6509 line cards are in the chassis. The DES-6500 R1.01-B40 firmware can not support DES-6508 or DES-6510 line cards. Inserting them into a DES-6500 chassis running firmware 1.01-B40 will result in a bootup failure.

Step 2: Power on your chassis, then check the Runtime code of your system via a console connection. Use the `show switch` command to look up the firmware version of the CPU card.

```
DES-6500:4#show switch
Command: show switch

Device Type       : DES-6500 Chassis Ethernet Switch
MAC Address       : 00-65-00-00-14-50
IP Address        : 172.18.212.19 (Manual)
VLAN Name         : default
Subnet Mask       : 255.255.255.0
Default Gateway   : 172.18.212.253
Boot PROM Version : Build 1.50-B19
Firmware Version  : Build 1.20-B09
Hardware Version  : 2A1
System Name       :
System Location   :
System Contact    :
Spanning Tree     : Disabled
GVRP              : Disabled
IGMP Snooping     : Enabled
802.1x            : Disabled
Jumbo Frame       : On
Clipaging         : Enabled
Port Mirror       : Disabled
SNTP              : Disabled
Bootp Relay       : Disabled
DNSR Status       : Disabled

DES-6500:4#
```

Use the `show stack_information` command to look up the firmware version of all line cards in the DES-6500 chassis.

```
DES-6500:4#show stack_information
Command: show stack_information
```

Box ID	Type	Exist	Priority	Prom version	Runtime version	H/W version
1	DES-6507	exist	16	1.50-B19	1.20-B09	1A1
2	DES-6509	exist	16	1.50-B19	1.20-B09	1A1
3	DES-6509	no				
4	DES-6507	no				
5	DES-6509	exist	16	1.50-B19	1.20-B09	1A1
6	DES-6509	no				
7	DES-6509	no				
8	DES-6509	exist	16	1.50-B19	1.20-B09	1A1

```
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Topology      :STAR
Current state:MASTER
Box Count     :4
```

Step 3: If all the CPU and line cards are not running firmware R1.20-B09, please upgrade to the new firmware so that you may take advantage of the bug fixes listed in the release notes and add DES-6508 or DES-6510 line cards to your system.

To upgrade your system, download the line card firmware **6500rS_1.20-B09.had** from a TFTP server connected directly to the DES-6500 chassis and configured with an IP address in the same subnet as the management IP address. Once the TFTP server is connected and configured, use the cli command to download the firmware: `download firmware_fromTFTP xxx.xxx.xxx.xxx 6500rS_1.20-B09.had unit all_line_card`

```
DES-6500:4#download firmware_fromTFTP 172.18.212.17 6500rS_1.20-B09.had unit all_line_card
Command: download firmware_fromTFTP 172.18.212.17 6500rS_1.20-B09.had unit all_line_card

Connecting to server..... Done.
Download firmware..... Done.
Connecting to slave..... Done.
Upload firmware..... Done.
Line card will automatically reboot after a few minutes.Please don't power off!
Success.
DES-6500:4#
```

After the line cards reboot successfully, download the CPU firmware **6500rU_1.20-B09.had** from your TFTP server (xxx.xxx.xxx.xxx). `download firmware_fromTFTP xxx.xxx.xxx.xxx 6500rU_1.20-B09.had unit cpu`

```
DES-6500:4#download firmware_fromTFTP 172.18.212.17 6500rU_1.20-B09.had unit cpu
Command: download firmware_fromTFTP 172.18.212.17 6500rU_1.20-B09.had unit cpu

Connecting to server..... Done.
Download firmware..... Done. Do not power off!
Please wait, programming flash..... Done.
Saving current settings to NV-RAM..... Done.
Please wait, the switch is rebooting...
```

Step 4: After the system reboots, insert the DES-6508 or DES-6510 line cards and reset your system to factory defaults by using the `reset system` command.

```
DES-6500;4#reset system
Command: reset system

Are you sure you want to proceed with system reset?(y/n)
(reset all, save, reboot) y
Reboot & Load Factory Default Configuration...
Saving all configurations to NV-RAM..... Done.
Please wait, the switch is rebooting...
```

Step 5: Check that your system upgrade was successful by using the `show switch` and `show stack_information` commands. If the CPU or Line cards are not running the 1.20-B09 firmware then check your connection to the TFTP server and repeat the previous steps as necessary.

You may now proceed and setup your system.