

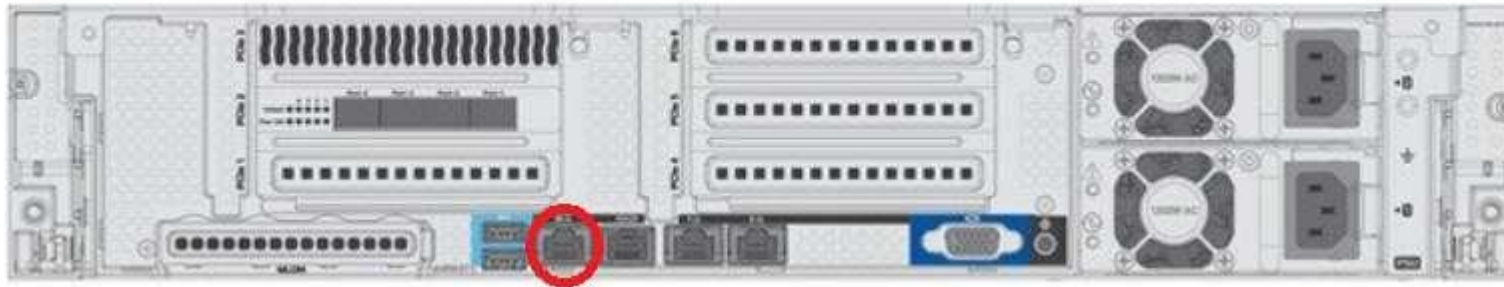
## Recovery of missing 8540/5520 Manufacturing Installed Certificates

[CSCuv97685](#) 5520 or 8540 may have no Manufacturing Installed Certificates

1) Attach a laptop via Ethernet to the controller's CIMC Ethernet port.

8540:

Cisco 8540 WLC Rear Panel View



5520:

Cisco 5520 WLC Rear Panel View



2) Via the controller's CLI, configure CIMC connectivity for the controller.

**Example:**

```
(Cisco Controller) >imm dhcp disable
(Cisco Controller) >imm address 192.168.1.1 255.255.255.0 192.168.1.254
(Cisco Controller) >imm restart
(Cisco Controller) >imm summary
This will take some time...
Please be patient!
User ID..... admin
DHCP..... Disabled
IP Address..... 192.168.1.1
Subnet Mask..... 255.255.255.0
Gateway..... 192.168.1.254
```

3) Configure the connected laptop's Ethernet interface with a static address on the same subnet as the configured CIMC address (e.g. 192.168.1.2 255.255.255.0).

4) Open a web browser on the laptop and browse to the CIMC interface IP address on the controller (192.168.1.1 in the example above).

5) Login with the credentials:

```
username: admin
password: password
```

\* You may be prompted to change the default credentials. After doing so, log back in to the CIMC interface \*

6) Select the Storage, then Virtual Drive Info tabs.

7) Confirm that Flexflash is connected to HOST.

The screenshot displays the Cisco IMC interface for a Cisco FlexFlash (FlexFlash-0) controller. The 'Virtual Drive Info' tab is selected, showing a table of virtual drives. The 'Host Accessible' column for the 'Hypervisor' drive is highlighted in green, indicating it is connected to the host.

Virtual Drive	ID	Drive Scope	Size	Drive Status	Host Accessible	Drive Type	Operation In Progress	Last Operation Status
Hypervisor	1	Raid	30432 MB	Degraded	Connected	Removable	NA	None

8) Double click on 'Connected' in the 'Host Accessible' column.

9) Enable the HyperVisor check box in the "Enable/Disable VD(s)" prompt to connect it back to HOST, then click the Save button.

The screenshot displays the Cisco Integrated Management Controller (IMC) interface for Cisco FlexFlash (FlexFlash-0). The main content area shows a table of Virtual Drives with the following data:

Virtual Drive	ID	Drive Scope	Size	Drive Status	Host Accessible	Drive Type	Operation In Progress	Last Oper
Hypervisor	1	Local	30432 MB	Degraded	Connected	Removable	NA	None

An 'Enable/Disable VD(s)' dialog box is open, showing a list of Virtual Drives with 'Hypervisor' selected. The 'Save' button is highlighted. In the bottom left corner, the 'Actions' menu is visible, with 'Enable/Disable Virtual Drive(s)' highlighted.

10) Return to the controller's console and issue the command "reset system".

11) Once the controller has completed reloading, verify the certificate status via the command "show certificate all".

**Example of correctly activated certificate:**

(Cisco Controller) >show certificate all

```
----- Verification Certificates -----  
Certificate Name: Cisco Manufacturing CA SHA2 cert  
  
Subject Name :  
    O=Cisco, CN=Cisco Manufacturing CA SHA2  
Issuer Name :  
    O=Cisco, CN=Cisco Root CA M2  
Serial Number :  
    2  
Validity :  
    Start : Nov 12 13:50:58 2012 GMT  
    End   : Nov 12 13:00:17 2037 GMT  
Signature Algorithm :  
    sha256WithRSAEncryption  
Hash key :  
    SHA1 Fingerprint   : 90:b2:e0:6b:7a:d5:da:ff:cf:d4:31:87:29:09:f3:81:37:47:1b:f8  
    MD5 Fingerprint   : ac:14:f0:8f:c3:78:0f:8f:d9:ee:e6:c9:39:11:12:80
```