

Software Advisory Notice: Defect CSCwo74485

Impacted releases

Cisco APIC Releases: 5.3.x/6.0.9d/6.1(3g) and below.

Cisco UCS CIMC Releases: 4.3.5 and above.

Release(s) with the fix for the issue

Cisco APIC Release 6.0.9e/ 6.1.4h and above. Upgrade the APIC software first, then proceed with the CIMC upgrade.

Impacted devices

APIC-SERVER-M4 and APIC-SERVER-L4.

Problem description

If the APIC-Server-M4/L4 running 5.3.x/ 6.0.9d/ 6.1.3g (or below) is updated to CIMC version 4.3.5 and above, this will render the APIC unbootable.

Details

APIC controller will fail to boot when CIMC is upgraded to 4.3.5 and above versions. This is because of a certificate update that is done by the CIMC server firmware update. On APIC-SERVER-M4 and L4, the secure boot policies check the contents of firmware's certificates to get access to secrets in the TPM. The upgrade to 4.3.5 (and above) changes those contents, and temporarily renders the APIC unbootable.

Workaround/solution

The workaround includes updating the `apic-m4-l4-update-secureboot-policy.1.0.6.iso` file. This workaround will ensure that the TPM EA policies are correctly updated on the APIC. After the workaround is applied, it is safe to upgrade the CIMC version to 4.3.6. Apply the workaround sequentially on each APIC. Ensure that the APIC cluster is *fully-fit* before execution on each APIC.

Note: This procedure requires a reload of the APIC server. If reload is not an option, please contact Cisco TAC for further assistance.

[Link to the ISO file](#)

Reboot with custom iso file:

1. Move the `apic-m4-l4-update-secureboot-policy.1.0.6.iso` to a http server.

2. Map the `apic-m4-l4-update-secureboot-policy.1.0.6.iso` via CIMC using vmedia map type `www`.
 - a. Navigate to **Compute**, select **Remote Management** and sub-section **Virtual Media**.
 - b. Click **Add new mapping**, select **Mount type** as **WWW(HTTP/HTTPS)**
 - c. Add the **path, remote file name** and click **Save**.
 - d. At this point the mapping status should be in **Mapped** state and status should be **OK**.
3. Power cycle the host.
4. Monitor console via KVM.
5. Select F6 during the host boot up.
6. Enter the CIMC boot menu password.
7. Select **“Cisco CIMC-Mapped vDVD1.22”**
8. Following boot messages are displayed at the *“Press any key to continue”* prompt, press ENTER.

```
# You will see boot messages, then:  
Press any key to continue...
```

```
# Press Enter key  
[ENTER]
```

```
# Wait for completion message:  
APIC Installer - Done
```

9. Un-map the Virtual Media.
10. At this point the APIC is ready to be booted.
11. Power cycle the host again.