Cisco UCS C-Series Servers Statement of Volatility

The Cisco UCS C-Series rack-mount servers have multiple serial, electrically erasable, and programmable nonvolatile memory components (EEPROM and flash memory) that are used to store manufacturing hardware identification and hardware configuration information. The majority of serial EEPROMs and flash memories are not written by users and contain no customer information.

Procedures for clearing the few flash devices that can retain customer data are included in this document.

This document applies to the following servers:

- Cisco UCS C220 M4 and C240 M4
- Cisco UCS C460 M4
- Cisco UCS C3160
- Cisco UCS C22 M3 and C24 M3
- Cisco UCS C220 M3 and C240 M3
- Cisco UCS C420 M3
- Cisco UCS C260 M2
- Cisco UCS 460 M2

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Clearing the Storage Controller TFM Cache

The Cisco UCS C-Series servers might be configured with an LSI storage controller card that has a TFM module for battery-backed cache via a SuperCap power module (SCPM) or battery backup unit (BBU). The TFM module might cache partial user data to prevent data loss. If the server has this configuration, use the following procedure to clear the TFM cache.

Step 1 If not already installed, download and install the LSI StorCLI utility on the server's operating system (Linux/Windows/VMWare).

The LSI StorCLI utility and its documentation are available for download from LSI.com.

Step 2 Open a new command/terminal window and change to the directory where StorCLI is installed.

Step 3 Run the following commands in the order shown:

```
Storcli64 /cx delete events
Storcli64 /cx delete securitykey
Storcli64 /cx delete termlog
Storcli64 /cx flush
Storcli64 /cx/vall delete preservedcache force
Storcli64 /cx del Nytrocache
Storcli64 /cx/vx delete BBMT
Storcli64 /cx set factory defaults
```

Clearing the CIMC and BIOS

You can restore the BIOS and CIMC to factory default settings and clear the CIMC logs.

Restoring the BIOS to Factory Default Settings

Use the following procedure to restore default settings to the BIOS:

Step 1 Use the IP address of the server and log into the CIMC GUI interface.

Step 2 Select the **Server** tab.

Step 3 On the Server tab, click **BIOS**.

Step 4 Under BIOS Actions, click **Clear BIOS CMOS**.

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Restoring the CIMC to Factory Default Settings

Use the following procedure to restore default settings to the CIMC:

Step 1 Use the IP address of the server and log into the CIMC GUI interface.

Step 2 Select the **Admin** tab.

Step 3 On the Admin tab, click **Utilities**.

Step 4 Under Utilities Actions, click **Reset CIMC to Factory Default Configuration**.

Clearing the CIMC Logs

Use the following procedure to clear the CIMC logs:

Step 1 Use the IP address of the server and log into the CIMC GUI interface.

Step 2 Select the **Server** tab.

Step 3 On the Server tab, click **Faults and Logs**.

Step 4 Select the **CIMC Log** tab.

Step 5 Click the **Clear Log** button at the bottom corner of the page.

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