I/O Module Management

I/O Module Management in Cisco UCS Manager CLI

You can manage and monitor all I/O modules in a Cisco UCS domain through Cisco UCS Manager CLI. Cisco UCS Manager Release 3.1 introduces the Cisco UCS-IOM-2304 I/O module with 40 GbE connectivity to the Cisco UCS 6300 Series Fabric Interconnect. The *Cisco UCS Manager Getting Started Guide* provides more information about this functionality.

Acknowledging an IO Module

Cisco UCS Manager Release 2.2(4) introduces the ability to acknowledge a specific IO module in a chassis.

Note This operation rebuilds the network connectivity between the IO module and the Fabrics to which it is connected.

Procedure

	Command or Action	Purpose
Step 1	UCS-A# **scope chassis** *chassis-num*	Enters chassis mode for the specified chassis.
Step 2	UCS-A /chassis # **acknowledge iom** {**1** | **2**}	Acknowledges the specified IOM in the chassis.

	Command or Action	Purpose
Step 3	UCS-A /chassis* # **commit-buffer**	Commits the transaction to the system configuration.

The following example acknowledges IO Module 1 and commits the transaction:

```
UCS-A# scope chassis 1
UCS-A /chassis # acknowledge iom 1
UCS-A /chassis* # commit-buffer
UCS-A /chassis #
```

Resetting the I/O Module

Procedure

	Command or Action	Purpose
Step 1	UCS-A# **scope chassis** *chassis-num*	Enters chassis mode for the specified chassis.
Step 2	UCS-A /chassis # **scope iom** {**a b**}	Enters chassis IOM mode for the specified IOM.
Step 3	UCS-A /chassis/iom # **reset**	Resets the IOM.
Step 4	UCS-A /chassis/iom # **commit-buffer**	Commits the transaction to the system configuration.

The following example resets the IOM on fabric A and commits the transaction:

```
UCS-A# scope chassis 1
UCS-A /chassis # scope iom a
UCS-A /chassis/iom # reset
UCS-A /chassis/iom* # commit-buffer
UCS-A /chassis/iom #
```

Resetting an I/O Module from a Peer I/O Module

Sometimes, I/O module upgrades can result in failures or I/O modules can become unreachable from Cisco UCS Manager due to memory leaks. You can now reboot an I/O module that is unreachable through its peer I/O module.

Resetting the I/O module restores the I/O module to factory default settings, deletes all cache files and temporary files, but retains the size-limited OBFL file.

Procedure

	Command or Action	Purpose
Step 1	UCS-A# **scope chassis** *chassis-num*	Enters chassis mode for the specified chassis.
Step 2	UCS-A /chassis # **scope iom** {*a b*}	Enters chassis IOM mode for the specified IOM. Specify the peer IOM of the IOM that you want to reset.
Step 3	UCS-A /chassis/iom # **reset-peer**	Resets the peer IOM of the specified IOM.
Step 4	UCS-A /chassis/iom* # **commit-buffer**	Commits the transaction to the system configuration.

This example shows how to reset IOM b from IOM a:

```
UCS-A# scope chassis 1
UCS-A /chassis # scope iom a
UCS-A /chassis/iom # reset-peer
UCS-A /chassis/iom* # commit-buffer
```