



## I/O Module Management

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## 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(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

- After adding or removing physical links between Fabric Interconnect and IO Module, an acknowledgement of the IO Module is required to properly configure the connection.
- The ability to re-acknowledge each IO Module individually allows to rebuild the network connectivity between a single IO Module and its parent Fabric Interconnect without disrupting production traffic in the other fabric interconnect.

### Procedure

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

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

### Example

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

### Example

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**

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

**Example**

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
```

