Configuration Management

This chapter helps you to get started and describes how to configure the initial switch configuration for the Cisco ME 1200 NID. This chapter also describes how to manage Cisco ME 1200 NID configurations.

Prerequisites for Managing Configurations

- NID must be added to the UCS controller.

- NID must be accessible from the UCS controller.

Restrictions for Managing Configurations

- The option **show run** command is not supported.

Information About Configuration Management

Configuration management on ME1200 stores the configurations in XML format. A startup-config.xml file is generated containing all relevant configuration to be applied on the ME1200. A current running-config.xml can also be generated and copied to a TFTP server. This complete XML configuration file can be viewed using a suitable XML editor.

Understanding the Boot Process

The Cisco ME 1200 NID device is not connected to any network soon after it is unpacked. To start your Cisco ME 1200 NID, you need to follow the procedures in the hardware installation guide about installing and

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powering on the switch. This document describes login and setting up the initial configuration (IP address, subnet mask, default gateway, secret and Telnet passwords, and so forth) of the Cisco ME 1200 NID.

The boot loader provides access to the flash file system before the operating system is loaded. Normally, the boot loader is used only to load, uncompress, and launch the operating system. After the boot loader gives the operating system control of the CPU, the boot loader is not active until the next system reset or power-on.

Before you can assign switch information, make sure you have connected a PC or terminal to the console port, and configured the PC or terminal-emulation software baud rate and character format to match these of the switch console port:

- Baud rate default is 115200.

- Data bits default is 8.

- Stop bits default is 1.

- Parity settings default is none.

Table 1: Default Boot Configuration

Feature	Default Setting
Operating system software image	The device attempts to automatically boot the system using information in the BOOT environment variable. If the variable is not set, the Cisco ME 1200 NID attempts to load and execute the first executable image it can by performing a recursive, depth-first search throughout the flash file system. In a depth-first search of a directory, each encountered subdirectory is completely searched before continuing the search in the original directory.
Configuration file	Configured devices use the startup-config.xml file stored on the system board in flash memory. A new switch has no configuration file.

Getting Started

Perform the following tasks to get started with the Cisco ME 1200 NID:

1   Add the Cisco ME 1200 NID using the **platform nid-controller** command on the UCS controller. To dynamically configure one or more Cisco ME1200 NIDs to the UCS Controller, see Auto Discovery of Cisco ME 1200 NIDs.
2   Verify if the NID is added on the controller using the **show platform nid-controller** command on the UCS controller.
3   Create Layer 2 VLANs on the NID.
4   Modify switchport mode as Trunk on the NID.
5   Assign IP address to VLAN Interface.
6   Configure Default IP Route.
7   Create Startup-config.xml file.

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Step 1—Adding the Cisco ME 1200 NID to the UCS Controller

Note Effective Cisco IOS Release 15.4(2)SN, Cisco ME3600 switch will act as controller for the Cisco ME 1200 NID.

Effective Cisco IOS Release 15.5(1)SN, the Cisco ASR 920 Series Routers can also act as controller for the Cisco ME 1200 NID.

DETAILED STEPS

	Command or Action	Purpose
Step 1	**platform nid-controller add 192.0.2.1** **Example:** `UCS(config)# platform nid-controller add 192.0.2.1`	Adds the Cisco ME 1200 NID using the **platform nid-controller** command on the controller. The Cisco ME 1200 NID is shipped with the factory default IP address 192.0.2.1.
Step 2	**end** **Example:** `UCS(config)# end`	Exits to the Privileged EXEC mode.

Configuration Example

```
UCS# configure terminal
UCS(config)# platform nid-controller add 192.0.2.1
UCS(config)# end
```

Step 2—Verifying the Cisco ME 1200 NID Addition onto the UCS Controller

DETAILED STEPS

	Command or Action	Purpose
Step 1	**Configure NID** **Example:** `UCS# Configure NID 1`	Opens a new session for NID 1.
Step 2	**show platform nid-controller nids** **Example:** `UCS# show platform nid-controller nids`	Displays the Cisco ME 1200 NID IP addresses that are added to the controller.

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	Command or Action	Purpose
Step 3	**end** **Example:** `UCS# end`	Exits the Privileged EXEC mode.

Configuration Example

```
UCS# configure terminal
UCS# show platform nid-controller nids

NID_ID IP Address    NID Type  Discovery GROUPS

1     1.1.1.1        ME1200    STATIC    g1
2     7.25.17.223    ME1200    STATIC    g2,g4
3     7.25.16.220    ME1200    STATIC    g1,g2,g4

UCS# end
```

Step 1—Creating Layer 2 VLANs on the NID

DETAILED STEPS

	Command or Action	Purpose
Step 1	**ProvisionPortVlanPortType** **Example:** `UCS# ProvisionPortVlanPortType`	Enters the ProvisionPortVlanPortType mode.

Step 2	**createVlanCommand createVlanReq vlan_list** *vlan_list*
	
	Example:
	`UCS(ProvisionPortVlanPortType)# createVlanCommand`
	`createVlanReq vlan_list 100-105`
		Creates the VLAN list. The valid values are from 1 to 4095.

Step 3	**createVlanCommand review** **Example:** `UCS(ProvisionPortVlanPortType)# createVlanCommand review`	Displays the configuration.
Step 4	**createVlanCommand commit** **Example:** `UCS(ProvisionPortVlanPortType)# createVlanCommand commit`	Sends the configuration to the NID.
Step 5	**ProvisionPortVlanPortTypeshow** **Example:** `UCS(ProvisionPortVlanPortType)# showVlans`	Displays the Vlan lists.

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	Command or Action	Purpose
Step 6	**exit** **Example:** `UCS(ProvisionPortVlanPortType)# exit`	Exits the ProvisionPortVlanPortType mode.

Configuration Example

```
UCS# ProvisionPortVlanPortType
UCS(ProvisionPortVlanPortType)# createVlanCommand createVlanReq vlan_list 100-105
UCS(ProvisionPortVlanPortType)# createVlanCommand review

Commands in queue:
     createVlanCommand createVlanReq vlan_list 100-105

UCS(ProvisionPortVlanPortType)# createVlanCommand commit

     Vlan Creation Commit Success!!!

UCS(ProvisionPortVlanPortType)# exit
```

Step 2—Modifying Switchport Mode as Trunk

DETAILED STEPS

	Command or Action	Purpose
Step 1	**ProvisionPortVlanPortType** **Example:** `UCS# ProvisionPortVlanPortType`	Enters the ProvisionPortVlanPortType mode.

Step 2	**modifySwPort modifySWPortConfig interface** *interface_id*
	
	 Example:
	 `UCS(ProvisionPortVlanPortType)# modifySwPort`
	 `modifySWPortConfig interaface 4`
		Configure the switchport configuration on the defined interface.

Step 3	**modifySwPort modifySWPortConfig mode trunk {allowed vlan {add {all	vlan_list** *vlan_list* **}	remove {all	vlan_list** *vlan_list* **}}	{native vlan** *vlan_list* **}**
					
					 Example:
					 `UCS(ProvisionPortVlanPortType)# modifySwPort`
					 `modifySWPortConfig mode trunk allowed vlan add`
					 `vlan_list 100-105`
						Sets the mode to TRUNK.
						
						 • **allowed**—Sets the allowed VLAN characteristics when interface is in trunk mode.
						
						 • **add**—Adds either all VLANs or specified VLANs to the current list.
						
						 • **remove**—Rremoves either all VLANs or specified VLANs from the current list.
						
						 • *vlan_id*—The VLAN ID. The valid values are from 0 to 4095.

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	Command or Action	Purpose
Step 4	**modifySwPort review** **Example:** UCS(ProvisionPortVlanPortType)# modifySwPort review	Displays the configuration.
Step 5	**modifySwPort commit** **Example:** UCS(ProvisionPortVlanPortType)# modifySwPort commit	Sends the configuration to the NID.
Step 6	**ProvisionPortVlanPortTypeshow** **Example:** UCS(ProvisionPortVlanPortType)# showSwPort	Displays the commit, flush or review commands in queue for switchport configurtion.
Step 7	**exit** **Example:** UCS(ProvisionPortVlanPortType)# exit	Exits the ProvisionPortVlanPortType mode.

Configuration Example

```
UCS# ProvisionPortVlanPortType
UCS(ProvisionPortVlanPortType)# modifySwPort modifySWPortConfig interaface 4
UCS(ProvisionPortVlanPortType)# modifySwPort modifySWPortConfig mode trunk allowed vlan add
 vlan_list 100-105
UCS(ProvisionPortVlanPortType)# modifySwPort review

Commands in queue:
   modifySwPort modifySWPortConfig interaface 4
   modifySwPort modifySWPortConfig mode trunk allowed vlan add vlan_list 100-105

UCS(ProvisionPortVlanPortType)# modifySwPort commit

   ModifySwPort_Output.modifySwPortConfigResp = 0

   Modify SwitchPort Commit Success!!!

UCS(ProvisionPortVlanPortType)# exit
```

Step 3— Assigning IP Address to VLAN Interface

DETAILED STEPS

	Command or Action	Purpose
Step 1	**ProvisionPortVlanPortType** **Example:** UCS# ProvisionPortVlanType	Enters the ProvisionPortVlanPortType mode.

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	Command or Action	Purpose
Step 2	**createIntVlan createIntVlanReq vlan_id** *vlan_id* **Example:** UCS(ProvisionPortVlanPortType)# createIntVlan createIntVlanReq vlan)_id 100	Creates the interface VLAN list.
Step 3	**createIntVlan createIntVlanReq {address {ipv4 {dhcp | ipv4-address} | ipv6 ipv6-address** *ipv6-address*} | **vlan_id** *vlan_id*} **Example:** UCS(ProvisionPortVlanPortType)# createIntVlan createIntVlanReq address ipv4 ipv4_address address 22.22.22.3 UCS(ProvisionPortVlanPortType)# createIntVlan createIntVlanReq address ipv4 ipv4_address mask 255.255.255.0 UCS(ProvisionPortVlanPortType)# createIntVlan createIntVlanReq address ipv6 ipv6_address 2001:4::1/64	Creates the interface VLAN on the specified IPv4 or IPv6 address, or VLAN ID.
Step 4	**createIntVlan review** **Example:** UCS(ProvisionPortVlanPortType)# createIntVlan review	Displays the createIntVlan configuration.
Step 5	**createIntVlan commit** **Example:** UCS(ProvisionPortVlanPortType)# createIntVlan commit	Sends createIntVlan configuration to the Cisco ME 1200 NID .
Step 6	**ProvisionPortVlanPortTypeshow** **Example:** UCS(ProvisionPortVlanPortType)# showIntVlan	Displays the commit, flush or review the commands for VLAN interfaces.
Step 7	**exit** **Example:** UCS(ProvisionPortVlanPortType)# exit	Exits the ProvisionPortVlanPortType mode.

Configuration Example

```
Example 1: IPv4
UCS# ProvisionPortVlanPortType
UCS(ProvisionPortVlanPortType)# createIntVlan createIntVlanReq vlan_Id 100
UCS(ProvisionPortVlanPortType)# createIntVlan createIntVlanReq address ipv4 ipv4_address
address 22.22.22.3
UCS(ProvisionPortVlanPortType)# createIntVlan createIntVlanReq address ipv4 ipv4_address
mask 255.255.255.0
UCS(ProvisionPortVlanPortType)# createIntVlan review

Commands in queue:
    createIntVlan createIntVlanReq vlan_id 100
    createIntVlan createIntVlanReq address ipv4 ipv4_address address 22.22.22.3
    createIntVlan createIntVlanReq address ipv4 ipv4_address mask 255.255.255.0

UCS(ProvisionPortVlanPortType)# createIntVlan commit
```

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```
                              CreateIntVlan_Output.createIntVlanResp = 0

                              Create Interface Vlan Commit Success!!!

                  UCS(ProvisionPortVlanPortType)# exit
                  Example 2: IPv6
                  UCS# ProvisionPortVlanPortType
                  UCS(ProvisionPortVlanPortType)# createIntVlan createIntVlanReq vlan_Id 100
                  UCS(ProvisionPortVlanPortType)# createIntVlan createIntVlanReq address ipv6 ipv6-address
                  2001:4::1/64
                  UCS(ProvisionPortVlanPortType)# createIntVlan review

                  Commands in queue:
                     createIntVlan createIntVlanReq vlan_id 100
                     createIntVlan createIntVlanReq address ipv6 ipv6-address 2001:4::1/64

                  UCS(ProvisionPortVlanPortType)# createIntVlan commit

                     CreateIntVlan_Output.createIntVlanResp = 0

                     Create Interface Vlan Commit Success!!!

                  UCS(ProvisionPortVlanPortType)# exit
```

Step 4—Configuring IP Route

DETAILED STEPS

	Command or Action	Purpose
Step 1	**ProvisionPortVlanPortType** **Example:** `UCS# ProvisionPortVlanPortType`	Enters the ProvisionPortVlanPortType mode.

Step 2	**setiproute setIpRouteReq {gateway_ip** *WORD* | **ipv4_address** *WORD* | **ipv4_mask** *WORD*}
	
	Example:
	`UCS(ProvisionNIDMgmtType)# setIpRoute setIpRouteReq ipv4_address 10.0.144.0`
	
	`UCS(ProvisionNIDMgmtType)# setIpRoute setIpRouteReq ipv4_mask 255.255.255.0`
	
	`UCS(ProvisionNIDMgmtType)# setIpRoute setIpRouteReq gateway_ip 10.0.0.1`
		Configures the IP Route.
		
		• **gateway_ip**—Specifies the gateway IPv4 address.
		
		　◦ *WORD*—IPv4 address.
		
		• **ipv4_address**—Specifies the IPv4 Network/Address.
		
		　◦ *WORD*—IPv4 Network/Address.
		
		• **ipv4_mask**—Specifies the IPv4 mask.
		
		　◦ *WORD*—IPv4 mask.

Step 3	**setiproute review** **Example:** `UCS(ProvisionNIDMgmtType)# setiproute review`	Displays the configuration.

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	Command or Action	Purpose
Step 4	**getiproute commit** **Example:** `UCS(ProvisionNIDMgmtType)# setiproute commit`	Sends the configuration to the NID.
Step 5	**exit** **Example:** `UCS(ProvisionNIDMgmtType)# exit`	Exits the ProvisionNIDMgmtType mode.

Configuration Example

```
UCS# ProvisionNIDMgmtType
UCS(ProvisionNIDMgmtType)# setIpRoute setIpRouteReq ipv4_address 10.0.144.0
UCS(ProvisionNIDMgmtType)# setIpRoute setIpRouteReq ipv4_mask 255.255.255.0
UCS(ProvisionNIDMgmtType)# setIpRoute setIpRouteReq gateway_ip 10.0.0.1

UCS(ProvisionNIDMgmtType)# setiproute review
Commands in Queue:
    setIpRoute setIpRouteReq ipv4_address 10.0.144.0
    setIpRoute setIpRouteReq ipv4_mask 255.255.255.0
    setIpRoute setIpRouteReq gateway_ip 10.0.0.1

UCS(ProvisionNIDMgmtType)# setiproute commit

    Setiproute Commit Success!!!

UCS(ProvisionNIDMgmtType)# exit
```

Step 5—Creating Startup-config.xml File

DETAILED STEPS

	Command or Action	Purpose
Step 1	**ProvisionPortVlanPortType** **Example:** `UCS# ProvisionPortVlanPortType`	Enters the ProvisionPortVlanPortType mode.

Step 2	**copyConfig copyConfigRequest {src {default_config | flash *WORD* | running_config | startup_config | tftp *WORD*} | dst {flash *WORD* | running_config | startup_config | tftp *WORD*}}**
	
	Example:
	`UCS(ProvisionConfigMGMTPortType)# copyConfig copyConfigRequest src running_config`
	`UCS(ProvisionConfigMGMTPortType)# copyConfig copyConfigRequest dst startup_config`
		Copies the configuration.
		
		• **src**—Specifies the source location.
		
		◦ **default**—Copies to the default-config file.
		
		◦ **flash**—Copies onto the flash.
		
		◦ *WORD*—Filename. The format is flash:<filename>. For example, flash:ToTest.

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Command or Action	Purpose

	◦ **running_config**—Copies to the running-config file.
	
	◦ **startup_config**—Copies to the startup-config file.
	
	◦ **tftp**—Copies to the TFTP server.
	
	    ◦ *WORD*—TFTP filename. The format is tftp://server/path-and-filename. For example, tftp://10.0.0.221/ToTest.
	
	• **dst**—Specifies the destination location.
	
	◦ **flash**—Copies onto the flash.
	
	    ◦ *WORD*—Filename. The format is flash:<filename>. For example, flash:ToTest.
	
	◦ **running_config**—Copies to the running-config file.
	
	◦ **startup_config**—Copies to the startup-config file.
	
	◦ **tftp**—Copies to the TFTP server.
	
	    ◦ *WORD*—TFTP filename. The format is tftp://server/path-and-filename. For example, tftp://10.0.0.221/ToTest.	

Step 3	**copyConfig review** **Example:** `UCS(ProvisionConfigMGMTPortType)# copyConfig review`	Displays the configuration.
Step 4	**copyConfig commit** **Example:** `UCS(ProvisionConfigMGMTPortType)# copyConfig commit`	Sends the configuration to the NID.
Step 5	**exit** **Example:** `UCS(ProvisionConfigMGMTPortType)# exit`	Exits the ProvisionConfigMGMTPortType mode.

Configuration Example

```
UCS# ProvisionConfigMGMTPortType
UCS(ProvisionConfigMGMTPortType)# copyConfig copyConfigRequest src running_config
UCS(ProvisionConfigMGMTPortType)# copyConfig copyConfigRequest dst startup_config
```

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```
UCS(ProvisionConfigMGMTPortType)# copyConfig review
Commands in Queue:
   copyConfig copyConfigRequest src running-config
   copyConfig copyConfigRequest dst startup-config

UCS(ProvisionConfigMGMTPortType)# copyConfig commit

  CopyConfig Commit Success!!!

UCS(ProvisionConfigMGMTPortType)# exit
```

How to Manage Configurations

Listing Configurations

DETAILED STEPS

	Command or Action	Purpose
Step 1	**ProvisionPortVlanPortType** **Example:** `UCS# ProvisionPortVlanPortType`	Enters the ProvisionPortVlanPortType mode.

Step 2	**listConfigs listConfigsReq**
	
	Example:
	`UCS(ProvisionConfigMGMTPortType)# listConfigs`
	`listConfigsReq`
		Lists the configuration.

Step 3	**listConfigs review** **Example:** `UCS(ProvisionConfigMGMTPortType)# listConfigs review`	Displays the configuration.
Step 4	**listConfigs commit** **Example:** `UCS(ProvisionConfigMGMTPortType)# listConfigs commit`	Fetches listing of flash configuration on the NID.
Step 5	**exit** **Example:** `UCS(ProvisionConfigMGMTPortType)# exit`	Exits the ProvisionConfigMGMTPortType mode.

Configuration Example

```
UCS# ProvisionConfigMGMTPortType
UCS(ProvisionConfigMGMTPortType)# listConfigs listConfigsReq
UCS(ProvisionConfigMGMTPortType)# listConfigs review

Commands in Queue:
   listConfigs listConfigsReq
```

```
UCS(ProvisionConfigMGMTPortType)# listConfigs commit

    ListConfigs_Output.configFiles.files[0].fileName = 'default-config'
    ListConfigs_Output.configFiles.files[0].fileSize = '    1100'
    ListConfigs_Output.configFiles.files[0].timeStamp = '1970-01-01 00:00:00'
    ListConfigs_Output.configFiles.files[0].permissions = 'r-'
    ListConfigs_Output.configFiles.files[1].fileName = 'startup-config'
    ListConfigs_Output.configFiles.files[1].fileSize = '    1552'
    ListConfigs_Output.configFiles.files[1].timeStamp = '1970-01-01 00:04:44'
    ListConfigs_Output.configFiles.files[1].permissions = 'rw'
    ListConfigs_Output.configFiles.files[2].fileName = 'startup-config.xml'
    ListConfigs_Output.configFiles.files[2].fileSize = '  149016'
    ListConfigs_Output.configFiles.files[2].timeStamp = '2014-03-25 10:15:58'
    ListConfigs_Output.configFiles.files[2].permissions = 'rw'
    ListConfigs_Output.configFiles.files[3].fileName = 'Totest'
    ListConfigs_Output.configFiles.files[3].fileSize = '  149016'
    ListConfigs_Output.configFiles.files[3].timeStamp = '2014-03-25 10:20:31'
    ListConfigs_Output.configFiles.files[3].permissions = 'rw'

    ListConfigs Commit Success!!!

UCS(ProvisionConfigMGMTPortType)# exit
```

Verifying Configuration Version

DETAILED STEPS

	Command or Action	Purpose
Step 1	**ProvisionConfigMGMPortType** **Example:** `UCS# ProvisionConfigMGMPortType`	Enters the ProvisionConfigMGMPortType mode.
Step 2	**showVersion showVersionReq** **Example:** `UCS(ProvisionConfigMGMTPortType)# showVersion showVersionReq`	Displays the configuration.
Step 3	**showVersion review** **Example:** `UCS(ProvisionConfigMGMTPortType)# showVersion review`	Displays the configuration.
Step 4	**showVersion commit** **Example:** `UCS(ProvisionConfigMGMTPortType)# showVersion commit`	Sends the configuration to the NID.
Step 5	**exit** **Example:** `UCS(ProvisionConfigMGMTPortType)# exit`	Exits the ProvisionConfigMGMTPortType mode.

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Configuration Example

> **Note**   The Active.Image is the current image and Alternative.Image is the backup image. While upgrading the image, you can choose to swap Active.Image with Alternate.Image.

```
UCS# ProvisionConfigMGMTPortType
UCS(ProvisionConfigMGMTPortType)# showVersion showVersionReq
UCS(ProvisionConfigMGMTPortType)# showVersion review

Commands in Queue:
    showVersion showVersionReq

UCS(ProvisionConfigMGMTPortType)# showVersion commit

    ShowVersion_Output.showVersionResp.Active.Image = 'me1200-universal-mz.154-2.SN.dat'
    ShowVersion_Output.showVersionResp.Active.Version = 'ME1200 OS Software Build 15.4-2.SN'

    ShowVersion_Output.showVersionResp.Active.Date = 'Fri Mar 21 10:08:34 PDT 2014'
    ShowVersion_Output.showVersionResp.Alternative.Image = 'me1200-universal-mz.dat'
    ShowVersion_Output.showVersionResp.Alternative.Version = 'ME1200 OS Software Build
15.4-2.SN'
    ShowVersion_utput.showVersionResp.Alternative.Date = 'Fri Mar 21 05:56:50 PDT 2014'

    ShowVersion Commit Success!!!

UCS(ProvisionConfigMGMTPortType)# exit
```

Copying Configuration

DETAILED STEPS

	Command or Action	**Purpose**
Step 1	**ProvisionConfigMGMPortType** **Example:** UCS# ProvisionConfigMGMPortType	Enters the ProvisionConfigMGMPortType mode.

Step 2	**copyConfig copyConfigRequest** {**src** {**default_config** | **flash** *WORD* | **running_config** | **startup_config** | **tftp** *WORD*} | **dst** {**flash** *WORD* | **running_config** | **startup_config** | **tftp** *WORD*}}
	
	Example:
	UCS(ProvisionConfigMGMTPortType)# copyConfig copyConfigRequest src running_config
	UCS(ProvisionConfigMGMTPortType)# copyConfig copyConfigRequest dst startup_config
	In this example, the Source is the running-config, and the Destination is the startup-config. When you use these commands for the first time on the Cisco ME 1200 NID, the NID creates the startup-config.xml file in the flash,
		Copies the configuration.
		
		• **src**—Specifies the source location.
		
		    ◦ **default**—Copies to the default-config file.
		
		    ◦ **flash**—Copies onto the flash.
		
		        ◦ *WORD*—Filename. The format is flash:<filename>. For example, flash:ToTest.
		
		    ◦ **running_config**—Copies to the running-config file.
		
		    ◦ **startup_config**—Copies to the startup-config file.
		
		    ◦ **tftp**—Copies to the TFTP server.

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	Command or Action	Purpose
	which is used during the device boot-up. When the device reloads for the first time, it uses the startup-config.xml file.	◦ *WORD*—TFTP filename. The format is tftp://server/path-and-filename. For example, tftp://10.0.0.221/ToTest. • **dst**—Specifies the destination location. ◦ **flash**—Copies onto the flash. ◦ *WORD*—Filename. The format is flash:<filename>. For example, flash:ToTest. ◦ **running_config**—Copies to the running-config file. ◦ **startup_config**—Copies to the startup-config file. ◦ **tftp**—Copies to the TFTP server. ◦ *WORD*—TFTP filename. The format is tftp://server/path-and-filename. For example, tftp://10.0.0.221/ToTest.
Step 3	**copyConfig review** **Example:** `UCS(ProvisionConfigMGMTPortType)# copyConfig review`	Displays the configuration.
Step 4	**copyConfig commit** **Example:** `UCS(ProvisionConfigMGMTPortType)# copyConfig commit`	Sends the configuration to the NID.
Step 5	**exit** **Example:** `UCS(ProvisionConfigMGMTPortType)# exit`	Exits the ProvisionConfigMGMTPortType mode.

Configuration Example

```
UCS# ProvisionConfigMGMTPortType
UCS(ProvisionConfigMGMTPortType)# copyConfig copyConfigRequest src running_config
UCS(ProvisionConfigMGMTPortType)# copyConfig copyConfigRequest dst startup_config
UCS(ProvisionConfigMGMTPortType)# copyConfig review

Commands in Queue:
    copyConfig copyConfigRequest src running_config
    copyConfig copyConfigRequest dst startup_config

UCS(ProvisionConfigMGMTPortType)# copyConfig commit
```

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```
     CopyConfig Commit Success!!!

UCS(ProvisionConfigMGMTPortType)# exit
```

Note   When the running-config file is copied to the TFTP server, by default, it stores the file in the XML format. You need not mention the XML extension explicitly. This hold good vice versa as well.

Note   When the Source is TFTP and the Destination is running-config, the TFTP file *appends* to the existing running-config, and does not overwrite the running-config file.

Deleting Configuration

DETAILED STEPS

	Command or Action	Purpose
Step 1	**ProvisionConfigMGMPortType** **Example:** `UCS# ProvisionConfigMGMPortType`	Enters the ProvisionConfigMGMPortType mode.
Step 2	**deleteConfFile configName {configFile***WORD*} **Example:** `UCS(ProvisionConfigMGMTPortType)# deleteConfFile configName configFile flash:ToTest`	Deletes the configuration. • **configFile**—Specifies the configuration file to be deleted. ◦ *WORD*—File name. The format is **flash:filename**.
Step 3	**deleteConfFile review** **Example:** `UCS(ProvisionConfigMGMTPortType)# deleteConfFile review`	Displays the configuration.
Step 4	**deleteConfFile commit** **Example:** `UCS(ProvisionConfigMGMTPortType)# deleteConfFile commit`	Sends the configuration to the NID.
Step 5	**exit** **Example:** `UCS(ProvisionConfigMGMTPortType)# exit`	Exits the ProvisionConfigMGMTPortType mode.

Configuration Example

```
UCS# ProvisionConfigMGMTPortType
UCS(ProvisionConfigMGMTPortType)# deleteConfFile configName configFile flash:ToTest
UCS(ProvisionConfigMGMTPortType)# deleteConfFile review

Commands in Queue:
    deleteConfFile configName configFile flash:ToTest

UCS(ProvisionConfigMGMTPortType)# deleteConfFile commit

    DeleteConfFile Commit Success!!!

UCS(ProvisionConfigMGMTPortType)# exit
```

What to Do Next

Use the **listConfigs listConfigsReq** command to verify the delete action.

```
UCS(ProvisionConfigMGMTPortType)# listConfigs listConfigsReq
UCS(ProvisionConfigMGMTPortType)# listConfigs review
UCS(ProvisionConfigMGMTPortType)# listConfigs commit
```

Reloading the System

DETAILED STEPS

	Command or Action	Purpose
Step 1	**ProvisionPortVlanPortType** **Example:** UCS# ProvisionPortVlanPortType	Enters the ProvisionPortVlanPortType mode.
Step 2	**reloadSystem reloadSystemReq {last_saved}** **Example:** UCS(ProvisionConfigMGMTPortType)# reloadSystem reloadSystemReq last_saved	Reloads the configuration. • **last_saved**—Reloads from the last saved configuration.
Step 3	**reloadSystem review** **Example:** UCS(ProvisionConfigMGMTPortType)# reloadSystem review	Displays the configuration.
Step 4	**reloadSystem commit** **Example:** UCS(ProvisionConfigMGMTPortType)# reloadSystem commit	Sends the configuration to the NID.
Step 5	**exit** **Example:** UCS(ProvisionConfigMGMTPortType)# exit	Exits the ProvisionConfigMGMTPortType mode.

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Configuration Example

```
UCS# ProvisionConfigMGMTPortType
UCS(ProvisionConfigMGMTPortType)# reloadSystem reloadSystemReq last_saved
UCS(ProvisionConfigMGMTPortType)# reloadSystem review

Commands in Queue:
   reloadSystem reloadSystemReq last_saved

UCS(ProvisionConfigMGMTPortType)# reloadSystem commit

   ReloadSystem Commit Success!!!

UCS(ProvisionConfigMGMTPortType)# exit
```

Note   To reboot the system with the last saved changes, copy the configurations from running-config (source) to startup-config.xml (destination) file before you reload the system. This ensures the system boots-up with the latest configuration.

Upgrading Configuration

DETAILED STEPS

	Command or Action	Purpose
Step 1	**ProvisionConfigMGMPortType** **Example:** UCS# ProvisionConfigMGMPortType	Enters the ProvisionConfigMGMPortType mode.

Step 2	**upgradeImage upgradeImageRequest** {**swap** | **upgrade** {**tftp** *WORD*}}
	
	Example:
	UCS(ProvisionConfigMGMTPortType)# upgradeImage upgradeImageRequest upgrade tftp tftp://<TFTP Server address>/<Path and file name>
		Upgrades the configuration.
		
		• **swap**—Swaps the configuration between Active and Alternate firmware images.
		  Note When the Cisco ME1200 NID is upgraded, the previous image is stored as a Backup image in the flash. Use the **upgradeImage upgradeImageRequest swap** command to load the system with the old image. To view the Active and Alternative (backup) firmware images, see the .
		• **upgrade**—Upgrades the image.
		   ◦ **tftp**—Specifies the TFTP location.
		      ◦ *WORD*—TFTP details. Enter the tftp://server/path-and-filename.

	Command or Action	Purpose
Step 3	**upgradeImage review** **Example:** `UCS(ProvisionConfigMGMTPortType)# upgradeImage review`	Displays the configuration.
Step 4	**upgradeImage commit** **Example:** `UCS(ProvisionConfigMGMTPortType)# upgradeImage commit`	Sends the configuration to the NID.
Step 5	**exit** **Example:** `UCS(ProvisionConfigMGMTPortType)# exit`	Exits the ProvisionConfigMGMTPortType mode.

Configuration Example

```
Example 1: Upgrade

UCS# ProvisionConfigMGMTPortType
UCS(ProvisionConfigMGMTPortType)# upgradeImage upgradeImageRequest upgrade tftp tftp://<TFTP
 Server address>/<Path and file name>
ucs(ProvisionConfigMGMTPortType)# upgradeImage review

Commands in Queue:
   upgradeImage upgradeImageRequest upgrade tftp tftp://<TFTP Server add>/<Path and file
name>

UCS(ProvisionConfigMGMTPortType)# upgradeImage commit

   UpgradeImage Commit Success!!!

UCS(ProvisionConfigMGMTPortType)# exit

Example 2: Swap


UCS# ProvisionConfigMGMTPortType
UCS(ProvisionConfigMGMTPortType)# upgradeImage upgradeImageRequest swap
UCS(ProvisionConfigMGMTPortType)# upgradeImage review

Commands in Queue:
   upgradeImage upgradeImageRequest swap

UCS(ProvisionConfigMGMTPortType)# upgradeImage commit

   UpgradeSwap commit success !!!!

UCS(ProvisionConfigMGMTPortType)# exit
```

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