



# Configuring Link Aggregation Control Protocol (LACP)

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LACP is defined in IEEE 802.3ad standard and enables Cisco switches to manage Ethernet channels between switches that conform to the standard. LACP facilitates the automatic creation of EtherChannels by exchanging LACP packets between Ethernet ports.

By using LACP, the switch learns the identity of partners capable of supporting LACP and the capabilities of each port. It then dynamically groups similarly configured ports into a single logical link (channel or aggregate port). Similarly configured ports are grouped based on key value. For example, LACP groups the ports with the same speed, duplex mode, native VLAN, VLAN range, and trunking status and type.

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## Information About LACP

### IEEE 802.3ad Link Bundling

The IEEE 802.3ad Link Bundling feature provides a method for aggregating multiple Ethernet links into a single logical channel based on the IEEE 802.3ad standard. This feature helps improve the cost effectiveness of a device by increasing cumulative bandwidth without necessarily requiring hardware upgrades. In addition, IEEE 802.3ad link bundling provides a capability to dynamically provision, manage, and monitor various aggregated links and enables interoperability between various Cisco devices and devices of third-party vendors.

LACP forms an aggregate port when at least 2 or more ports are connected to the same LACP partner/neighbor.

Both the passive and active modes allow LACP to negotiate between LAN ports to determine if they can form an EtherChannel, based on criteria such as key and trunking state. LAN ports can form an EtherChannel when they are in compatible LACP modes, as in the following examples:

- One of the LAN ports used to form the Etherchannel is in active mode with the neighboring LAN port in active.

- One of the LAN ports used to form the Etherchannel is in active mode with the neighboring LAN port in passive.
- A LAN port in passive mode cannot form an EtherChannel with another LAN port that is also in passive mode because neither port will initiate negotiation.

LACP uses the following parameters:

- LACP enable/disable: By default, LACP is configured as disabled on the port. This needs to be enabled before setting other parameters.
- LACP system priority—You must configure an LACP system priority on each device running LACP. The system priority can be configured through setLacpConfig XML operation. The default value is automatically set to 32768.
- LACP port priority—You must configure an LACP port priority on each port configured to use LACP. The port priority can be configured automatically or through the CLI. LACP uses the port priority to decide which ports should be put in standby mode when there is a hardware limitation that prevents all compatible ports from aggregating. LACP also uses the port priority with the port number to form the port identifier.




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**Note** The default value is automatically set to 32768.

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- LACP key—The LACP key defines the ability of a port to aggregate with other ports. You must configure a key on each port running LACP. When 2 or more ports with the same key are configured, a LACP Etherchannel is established. The maximum recommended key value is 4, indicating the maximum channel groups.
- LACP timeout—LACP automatically configures a timeout value of 1 second (fast timeout) for transmission of BPDUs. This can be modified to a slow timeout of 30 seconds.
- LACP activity or role—LACP automatically configures an active role to allow the switch to transmit LACP PDUs. This can be modified to passive role.

## How to Configure LACP

### Provisioning the ME 1200 NID to Configure LACP

#### DETAILED STEPS

	Command or Action	Purpose
Step 1	<b>ProvisionLacpPortType</b>  <b>Example:</b> Switch# <b>ProvisionLacpPortType</b>	Enters LACP provisioning mode.

	Command or Action	Purpose
<p><b>Step 2</b></p>	<p><b>ProvisionLacpPortType</b> {clearLacpStats   default   exit   getLacpConfig   getLacpDefaults   getLacpPortConfig   getLacpPortDefaults   no   setLacpConfig   setLacpDefaults   setLacpPortConfig   setLacpPortDefaults   showLacpAggLB   showLacpInternal   showLacpNeighbors   showLacpStats   showLacpSysId}</p> <p><b>Example:</b>  Switch(ProvisionLacpPortType)# ?  ProvisionLacpPortType sub-mode commands:  clearLacpStats Clear LACP statistics request  default Set a command to its defaults  exit Exit from ProvisionLacpPortType sub configuration mode</p> <p>getLacpConfig Get LACP configuration request  getLacpDefaults Get LACP default configuration request  getLacpPortConfig Get LACP port configuration request  getLacpPortDefaults Get LACP port default configuration request  no Negate a command or set its defaults  setLacpConfig Set LACP configuration request  setLacpDefaults Set LACP default configuration request  setLacpPortConfig Set LACP port configuration request  setLacpPortDefaults Set LACP port default configuration request  showLacpAggLB Show LACP load balance request  showLacpInternal Show LACP internal request  showLacpNeighbors Show LACP neighbor status request  showLacpStats Show LACP statistics request  showLacpSysId Show LACP system-id request</p>	<p>Displays the supported configurations for LACP.</p>
<p><b>Step 3</b></p>	<p><b>exit</b></p> <p><b>Example:</b>  Switch(ProvisionLacpPortType)# <b>exit</b></p>	<p>Exits the LACP provisioning mode.</p>

**Configuration Example**

The following example shows the supported LACP configuration:

```

Switch(ProvisionLacpPortType)# ?
ProvisionLacpPortType sub-mode commands:
clearLacpStats Clear LACP statistics request
default Set a command to its defaults
exit Exit from ProvisionLacpPortType sub configuration mode
getLacpConfig Get LACP configuration request
getLacpDefaults Get LACP default configuration request
getLacpPortConfig Get LACP port configuration request
getLacpPortDefaults Get LACP port default configuration request
no Negate a command or set its defaults
setLacpConfig Set LACP configuration request
setLacpDefaults Set LACP default configuration request
setLacpPortConfig Set LACP port configuration request
setLacpPortDefaults Set LACP port default configuration request
showLacpAggLB Show LACP load balance request
showLacpInternal Show LACP internal request
showLacpNeighbors Show LACP neighbor status request
showLacpStats Show LACP statistics request
showLacpSysId Show LACP system-id request
    
```

## Configuring LACP Globally on the ME 1200 NID

### Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP](#), on page 2.

### DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<p><b>setLacpConfig</b> {<b>commit</b>   <b>flush</b>   <b>lacpGlobalConfiguration</b>   <b>review</b>}</p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>setLacpConfig</b> ? commit                commit setLacpConfig flush                 flush all setLacpConfig commands from queue lacpGlobalConfiguration Set LACP configuration request review                review setLacpConfig commands</pre>	<p>Configures global LACP.</p> <ul style="list-style-type: none"> <li>• <b>commit</b>—Sends the LACP configuration to NID.</li> <li>• <b>flush</b>—Flushes all LACP configuration from the queue.</li> <li>• <b>lacpGlobalConfiguration</b>—Sets LACP configuration globally on the ME 1200 NID.</li> <li>• <b>review</b>—Displays the configuration on the ME 1200 NID.</li> </ul>
<b>Step 2</b>	<p><b>setLacpConfig lacpGlobalConfiguration</b> {<b>lacpGlobalState</b> {<b>enable</b>}   <b>systemPri</b><i>priority-value</i>}</p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>setLacpConfig</b> <b>lacpGlobalConfiguration lacpGlobalState enable</b> Switch(ProvisionLacpPortType)# <b>setLacpConfig</b> <b>lacpGlobalConfiguration systemPrio 2</b></pre>	<p>Sets global LACP configuration.</p> <ul style="list-style-type: none"> <li>• <b>lacpGlobalState</b>—Enables the LACP configuration globally on the ME 1200 NID. <ul style="list-style-type: none"> <li><b>Note</b> LACP is always enabled globally. Disable is not supported.</li> </ul> </li> <li>• <b>enable</b>—Enables global LACP configuration.</li> <li>• <b>systemPrio</b> <i>priority_value</i>—Sets priority value. The valid range is from 1 to 65535.</li> </ul>
<b>Step 3</b>	<p><b>setLacpConfig review</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>setLacpConfig review</b> Commands in queue: setLacpConfig lacpGlobalConfiguration lacpGlobalState enable setLacpConfig lacpGlobalConfiguration systemPrio 2</pre>	<p>Displays the LACP configuration on the ME 1200 NID.</p>
<b>Step 4</b>	<p><b>setLacpConfig commit</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>setLacpConfig commit</b></pre>	<p>Sends the LACP configuration to the NID.</p>

	Command or Action	Purpose
Step 5	<b>exit</b>  <b>Example:</b> Switch(ProvisionLacpPortType) # <b>exit</b>	Exits the LACP provisioning mode.

### Configuration Example

The example shows global LACP configuration on the ME 1200 NID:

```
Switch(ProvisionLacpPortType) # setLacpConfig lacpGlobalConfiguration lacpGlobalState enable
Switch(ProvisionLacpPortType) # setLacpConfig lacpGlobalConfiguration systemPrio 2
Switch(ProvisionLacpPortType) # setLacpConfig review
Commands in queue:
    setLacpConfig lacpGlobalConfiguration lacpGlobalState enable
    setLacpConfig lacpGlobalConfiguration systemPrio 2
Switch(ProvisionLacpPortType) # setLacpConfig commit
SetLacpConfig Commit Success!!!
Switch(ProvisionLacpPortType) # exit
```

## Configuring LACP Defaults Globally on the ME 1200 NID

### Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP, on page 2](#).

### DETAILED STEPS

	Command or Action	Purpose
Step 1	<b>setLacpDefaults {commit   flush   setLacpDefaultsRequest   review}</b>  <b>Example:</b>  Switch(ProvisionLacpPortType) # <b>setLacpDefaults ?</b> commit setLacpDefaults flush flush all setLacpDefaults commands from queue review review setLacpDefaults commands setLacpDefaultsRequest Set LACP default configuration request Switch(ProvisionLacpPortType) # <b>setLacpDefaults</b> <b>setLacpDefaultsRequest</b>	Configures default LACP globally. <ul style="list-style-type: none"> <li>• <b>commit</b>—Sends the LACP configuration to NID.</li> <li>• <b>flush</b>—Flushes all LACP configuration from the queue.</li> <li>• <b>setLacpDefaultsRequest</b>—Sets LACP default configuration globally on the ME 1200 NID.</li> <li>• <b>review</b>—Displays the configuration on the ME 1200 NID.</li> </ul>
Step 2	<b>setLacpDefaults review</b>  <b>Example:</b>  Switch(ProvisionLacpPortType) # <b>setLacpDefaults review</b>	Displays the default LACP configuration on the NID. <b>Note</b> The default system priority value is set to 32768.

	Command or Action	Purpose
	Commands in queue: setLacpDefaults setLacpDefaultsRequest setLacpDefaults setLacpDefaultsRequest	
<b>Step 3</b>	<b>setLacpDefaults commit</b>  <b>Example:</b> Switch(ProvisionLacpPortType) # <b>setLacpDefaults commit</b>	Sends the LACP configuration to the NID.
<b>Step 4</b>	<b>exit</b>  <b>Example:</b> Switch(ProvisionLacpPortType) # <b>exit</b>	Exits the LACP provisioning mode.

### Configuration Example

The example how to configure default LACP configuration on the NID:

```
Switch(ProvisionLacpPortType) # setLacpDefaults setLacpDefaultsRequest
Switch(ProvisionLacpPortType) # setLacpDefaults review
Commands in queue:
    setLacpDefaults setLacpDefaultsRequest
Switch(ProvisionLacpPortType) # setLacpDefaults commit
SetLacpConfig Commit Success!!!
Switch(ProvisionLacpPortType) # exit
```

## Configuring LACP at Port level on the ME 1200 NID

### Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP](#), on page 2.

### DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<b>setLacpPortConfig {commit   flush   lacpPortConfiguration   review}</b>  <b>Example:</b> Switch(ProvisionLacpPortType) # <b>setLacpPortConfig ?</b> commit commit setLacpPortConfig flush flush all setLacpPortConfig commands from queue lacpPortConfiguration Set LACP port configuration request	Configures LACP at port level. <ul style="list-style-type: none"> <li>• <b>commit</b>—Sends the LACP configuration to the NID.</li> <li>• <b>flush</b>—Flushes all LACP configuration from the queue.</li> <li>• <b>lacpPortConfiguration</b>—Sets LACP configuration at port level on the NID.</li> </ul>

	Command or Action	Purpose
	<code>review</code> <code>review setLacpPortConfig</code> commands	<ul style="list-style-type: none"> <li>• <b>review</b>—Displays the configuration on the NID.</li> </ul>
<b>Step 2</b>	<p><b>setLacpPortConfig lacpPortConfiguration</b> {<i>key key-group</i>   <b>lacpEnable</b> {<i>enable</i>   <i>disable</i>}   <b>portNumber</b> <i>port-num</i>   <b>portPriority</b> <i>priority-value</i>   <b>role</b> {<i>active</i>   <i>passive</i>} {<i>enable</i>   <i>disable</i>}   <b>timeout</b> {<i>fast</i>   <i>slow</i>} {<i>enable</i>   <i>disable</i>}}</p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# setLacpPortConfig lacpPortConfiguration key 1 Switch(ProvisionLacpPortType)# setLacpPortConfig lacpPortConfiguration lacpEnable enable Switch(ProvisionLacpPortType)# setLacpPortConfig lacpPortConfiguration portNumber 2 Switch(ProvisionLacpPortType)# setLacpPortConfig lacpPortConfiguration role active enable Switch(ProvisionLacpPortType)# setLacpPortConfig lacpPortConfiguration portPriority 23 Switch(ProvisionLacpPortType)# setLacpPortConfig lacpPortConfiguration timeout fast enable</pre>	<p>Configures LACP port configuration.</p> <ul style="list-style-type: none"> <li>• <b>key</b> <i>key_group</i>—Specifies the key or channel group for LACP aggregation. The valid range is 0 to 65535.</li> <li>• <b>lacpEnable</b> —Enables LACP on the interface.</li> <li>• <b>enable</b>—Enables LACP configuration.</li> <li>• <b>disable</b>—Disables LACP configuration.</li> <li>• <b>portNumber</b> <i>port-num</i>—Specifies the targeted port. The valid range is from 1 to 6.</li> <li>• <b>portPriority</b> <i>priority-value</i>—Specifies the LACP priority. The valid range is from 1 to 65535.</li> <li>• <b>role</b>—Sets the activity mode.</li> <li>• <b>active</b>—Transmits the LACP BPDUs actively.</li> <li>• <b>passive</b>—Waits for the neighbor before transmitting.</li> <li>• <b>timeout</b>—Sets period between BPDU transmissions.</li> <li>• <b>fast</b>—Transmits BPDUs every second.</li> <li>• <b>slow</b>—Transmits BPDUs every 30th second.</li> </ul>
<b>Step 3</b>	<p><b>setLacpPortConfig review</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# setLacpPortConfig review Commands in queue:     setLacpPortConfig lacpPortConfiguration key 3     setLacpPortConfig lacpPortConfiguration lacpEnable     enable     setLacpPortConfig lacpPortConfiguration portNumber     2     setLacpPortConfig lacpPortConfiguration     portPriority 2     setLacpPortConfig lacpPortConfiguration role     active enable     setLacpPortConfig lacpPortConfiguration timeout     fast enable     setLacpPortConfig lacpPortConfiguration key 2     setLacpPortConfig lacpPortConfiguration lacpEnable     enable     setLacpPortConfig lacpPortConfiguration portNumber     2     setLacpPortConfig lacpPortConfiguration role     active enable</pre>	<p>Displays the LACP configuration on the NID.</p>

	Command or Action	Purpose
	<code>setLacpPortConfig lacpPortConfiguration timeout fast enable</code>	
<b>Step 4</b>	<b>setLacpPortConfigcommit</b>  <b>Example:</b> Switch (ProvisionLacpPortType) # <b>setLacpPortConfig commit</b>	Sends the LACP configuration to the NID.
<b>Step 5</b>	<b>exit</b>  <b>Example:</b> Switch (ProvisionLacpPortType) # <b>exit</b>	Exits the LACP provisioning mode.

### Configuration Example

The example shows LACP port configuration on the NID:

```
Switch (ProvisionLacpPortType) # setLacpPortConfig lacpPortConfiguration key 1
Switch (ProvisionLacpPortType) # setLacpPortConfig lacpPortConfiguration lacpEnable enable
Switch (ProvisionLacpPortType) # setLacpPortConfig lacpPortConfiguration portNumber 2
Switch (ProvisionLacpPortType) # setLacpPortConfig lacpPortConfiguration role active enable
Switch (ProvisionLacpPortType) # setLacpPortConfig lacpPortConfiguration portPriority 23
Switch (ProvisionLacpPortType) # setLacpPortConfig lacpPortConfiguration timeout fast enable
Switch (ProvisionLacpPortType) # setLacpPortConfig review
Commands in queue:
  setLacpPortConfig lacpPortConfiguration key 3
  setLacpPortConfig lacpPortConfiguration lacpEnable enable
  setLacpPortConfig lacpPortConfiguration portNumber 2
  setLacpPortConfig lacpPortConfiguration portPriority 2
  setLacpPortConfig lacpPortConfiguration role active enable
  setLacpPortConfig lacpPortConfiguration timeout fast enable
  setLacpPortConfig lacpPortConfiguration key 2
  setLacpPortConfig lacpPortConfiguration lacpEnable enable
  setLacpPortConfig lacpPortConfiguration portNumber 2
  setLacpPortConfig lacpPortConfiguration role active enable
  setLacpPortConfig lacpPortConfiguration timeout fast enable
Switch (ProvisionLacpPortType) # setLacpPortConfig commit
SetLacpPortConfig Commit Success!!!
Switch (ProvisionLacpPortType) # exit
```

## Configuring Default LACP Configuration at Port level on the ME 1200 NID

The default values for LACP port parameters are:

- lacpEnable: false
- portPriority 32768
- role: active
- timeout: fast

There is no default value for key. Configure a valid value to identify the LACP channel aggregation group. If no value is set, key value is displayed as 0.



## Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP](#), on page 2.

## DETAILED STEPS

	Command or Action	Purpose
Step 1	<p><b>setLacpPortDefaults</b> {<b>commit</b>   <b>flush</b>   <b>lacpPhysicalPort</b> <i>port-num</i>  <b>review</b>}</p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>setLacpPortDefaults</b> ? commit          commit setLacpPortDefaults flush           flush all setLacpPortDefaults commands from queue lacpPhysicalPort Set LACP port default configuration request review          review setLacpPortDefaults commands Switch(ProvisionLacpPortType)# <b>setLacpPortDefaults</b> <b>lacpPhysicalPort 2</b></pre>	<p>Configures default LACP at port level.</p> <ul style="list-style-type: none"> <li>• <b>commit</b>—Sends the LACP configuration to NID.</li> <li>• <b>flush</b>—Flushes all LACP configuration from the queue.</li> <li>• <b>lacpPhysicalPort</b> <i>port_num</i>—Sets LACP default configuration at port level on the ME 1200 NID. The valid ports are 1 to 6.</li> <li>• <b>review</b>—Displays the configuration on the ME 1200 NID.</li> </ul>
Step 2	<p><b>setLacpPortDefaults review</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>setLacpPortDefaults</b> <b>review</b> Commands in queue:     setLacpPortDefaults lacpPhysicalPort 2</pre>	<p>Displays the LACP configuration on the ME 1200 NID.</p>
Step 3	<p><b>setLacpPortDefaults commit</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>setLacpPortDefaults</b> <b>commit</b></pre>	<p>Sends the LACP configuration to the NID.</p>
Step 4	<p><b>exit</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>exit</b></pre>	<p>Exits the LACP provisioning mode.</p>

## Configuration Example

The example shows default LACP port configuration on the ME 1200 NID:

```
Switch(ProvisionLacpPortType)# setLacpPortDefaults lacpPhysicalPort 2
Switch(ProvisionLacpPortType)# setLacpPortDefaults review
Commands in queue:
    setLacpPortDefaults lacpPhysicalPort 2
witch(ProvisionLacpPortType)# setLacpPortDefaults commit
SetLacpPortDefaults Commit Success!!!
Switch(ProvisionLacpPortType)# exit
```

## Clearing LACP Statistics on the ME 1200 NID

### Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP](#), on page 2.

### DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<p><b>clearLacpStats</b> {<b>commit</b>   <b>flush</b>   <b>lacpPhysicalPort</b> <i>port-num</i>   <b>review</b>}</p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>clearLacpStats</b> ?   commit          commit clearLacpStats   flush           flush all clearLacpStats commands   from queue   lacpPhysicalPort  Clear LACP statistics request   review          review clearLacpStats commands Switch(ProvisionLacpPortType)# <b>clearLacpStats</b> <b>lacpPhysicalPort</b> 3</pre>	<p>Clears LACP statistics.</p> <ul style="list-style-type: none"> <li><b>commit</b>—Sends the LACP configuration to NID.</li> <li><b>flush</b>—Flushes all LACP configuration from the queue.</li> <li><b>lacpPhysicalPort</b> <i>port num</i>—Clears the LACP statistics on a specified port on the NID. The valid values are 1 to 6.</li> <li><b>review</b>—Displays the configuration on the NID.</li> </ul>
<b>Step 2</b>	<p><b>clearLacpStats review</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>clearLacpStats review</b> Commands in queue:   clearLacpStats lacpPhysicalPort 3</pre>	<p>Displays the LACP configuration on the NID.</p>
<b>Step 3</b>	<p><b>clearLacpStats commit</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>clearLacpStats commit</b></pre>	<p>Sends the LACP configuration to the NID.</p>
<b>Step 4</b>	<p><b>exit</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>exit</b></pre>	<p>Exits the LACP provisioning mode.</p>

### Configuration Example

The example clears the LACP statistics on port 3 on the NID:

```
Switch(ProvisionLacpPortType)# clearLacpStats lacpPhysicalPort 3
Switch(ProvisionLacpPortType)# clearLacpStats review
Commands in queue:
  clearLacpStats lacpPhysicalPort 3
Switch(ProvisionLacpPortType)# clearLacpStats commit
ClearLacpStats_Output.clearLacpStatsResponse = 0
```

```
ClearLacpStats Commit Success!!!
Switch(ProvisionLacpPortType)# exit
```

## Negating LACP Configuration and Restoring Defaults

### Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP](#), on page 2.

### DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<p><b>no ?</b></p> <p><b>Example:</b> Switch(ProvisionLacpPortType)# <b>no ?</b></p> <pre>clearLacpStats      Clear LACP statistics request exit                Exit from ProvisionLacpPortType sub configuration mode getLacpConfig       Get LACP configuration request getLacpDefaults     Get LACP default configuration request getLacpPortConfig   Get LACP port configuration request getLacpPortDefaults Get LACP port default configuration request setLacpConfig       Set LACP configuration request setLacpDefaults     Set LACP default configuration request setLacpPortConfig   Set LACP port configuration request setLacpPortDefaults Set LACP port default configuration request showLacpAggLB       Show LACP load balance request showLacpInternal    Show LACP internal request showLacpNeighbors   Show LACP neighbor status request showLacpStats       Show LACP statistics request showLacpSysId       Show LACP system-id request</pre>	Negates the commands and sets the default configuration.
<b>Step 2</b>	<p><b>exit</b></p> <p><b>Example:</b> Switch(ProvisionLacpPortType)# <b>exit</b></p>	Exits the LACP provisioning mode.

## Viewing the Global LACP Configuration on the ME 1200 NID

### Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP](#), on page 2.

## DETAILED STEPS

	Command or Action	Purpose
Step 1	<p><b>getLacpConfig {commit   flush   getLacpConfigRequest   review}</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>getLacpConfig ?</b> commit          commit getLacpConfig flush           flush all getLacpConfig commands from queue getLacpConfigRequest  Get LACP configuration request review          review getLacpConfig commands commit          commit getLacpConfig Switch(ProvisionLacpPortType)# <b>getLacpConfig</b> <b>getLacpConfigRequest</b></pre>	<p>Retrieve the global LACP configuration.</p> <ul style="list-style-type: none"> <li>• <b>commit</b>—Sends the LACP configuration to NID.</li> <li>• <b>flush</b>—Flushes all LACP configuration from the queue.</li> <li>• <b>getLacpConfigRequest</b>—Retrieves the configured global LACP configuration on the ME 1200 NID.</li> <li>• <b>review</b>—Displays the configuration on the ME 1200 NID.</li> </ul>
Step 2	<p><b>getLacpConfig review</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>getLacpConfig review</b> Commands in queue:   getLacpConfig getLacpConfigRequest   getLacpConfig getLacpConfigRequest</pre>	<p>Displays the LACP configuration on the ME 1200 NID.</p>
Step 3	<p><b>getLacpConfig commit</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>getLacpConfig commit</b></pre>	<p>Sends the LACP configuration to the NID.</p>
Step 4	<p><b>exit</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>exit</b></pre>	<p>Exits the LACP provisioning mode.</p>

## Configuration Example

The example retrieves the global LACP configuration on the ME 1200 NID:

```
Switch(ProvisionLacpPortType)# getLacpConfig getLacpConfigRequest
Switch(ProvisionLacpPortType)# getLacpConfig review
Commands in queue:
  getLacpConfig getLacpConfigRequest
  getLacpConfig getLacpConfigRequest
Switch(ProvisionLacpPortType)# getLacpConfig commit
GetLacpConfig_Output.lacpGlobalConfiguration.systemPrio = 32768
GetLacpConfig_Output.lacpGlobalConfiguration.lacpGlobalState = true
  GetLacpConfig Commit Success!!!
Switch(ProvisionLacpPortType)# exit
```

## Viewing the Default LACP Configuration on the ME 1200 NID

### Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP](#), on page 2.

### DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<p><code>getLacpDefaults {commit   flush   getLacpDefaultsRequest   review}</code></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# getLacpDefaults ? commit                commit getLacpDefaults flush                 flush all getLacpDefaults commands from queue getLacpDefaultsRequest Get LACP default configuration request review                review getLacpDefaults commands Switch(ProvisionLacpPortType)# getLacpDefaults getLacpDefaultsRequest</pre>	<p>Retrieves the default LACP configuration.</p> <ul style="list-style-type: none"> <li>• <b>commit</b>—Sends the LACP configuration to NID.</li> <li>• <b>flush</b>—Flushes all LACP configuration from the queue.</li> <li>• <b>getLacpDefaultsRequest</b>—Retrieves the default LACP configuration on the ME 1200 NID.</li> <li>• <b>review</b>—Displays the configuration on the ME 1200 NID.</li> </ul>
<b>Step 2</b>	<p><code>getLacpDefaults review</code></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# getLacpDefaults review Commands in queue:   getLacpDefaults getLacpDefaultsRequest</pre>	<p>Displays the LACP configuration on the ME 1200 NID.</p>
<b>Step 3</b>	<p><code>getLacpDefaults commit</code></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# getLacpDefaults commit</pre>	<p>Sends the LACP configuration to the NID.</p>
<b>Step 4</b>	<p><code>exit</code></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# exit</pre>	<p>Exits the LACP provisioning mode.</p>

### Configuration Example

The example retrieves the default LACP configuration on the ME 1200 NID:

```
Switch(ProvisionLacpPortType)# getLacpDefaults getLacpDefaultsRequest
Switch(ProvisionLacpPortType)# getLacpDefaults review
Commands in queue:
  getLacpDefaults getLacpDefaultsRequest
Switch(ProvisionLacpPortType)# getLacpDefaults commit
```

```

GetLacpDefaults_Output.lacpGlobalConfiguration.systemPrio = 32768
GetLacpDefaults_Output.lacpGlobalConfiguration.lacpGlobalState = true

GetLacpDefaults Commit Success!!!
Switch(ProvisionLacpPortType)# exit

```

## Viewing the LACP Configuration at Port Level on the ME 1200 NID

### Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP, on page 2](#).

### DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<p><b>getLacpPortConfig {commit   flush   lacpPhysicalPort port-num   review}</b></p> <p><b>Example:</b></p> <pre> Switch(ProvisionLacpPortType)# <b>getLacpPortConfig ?</b> commit          commit getLacpPortConfig flush           flush all getLacpPortConfig commands from queue lacpPhysicalPort Get LACP port configuration request review          review getLacpPortConfig commands Switch(ProvisionLacpPortType)# <b>getLacpPortConfig lacpPhysicalPort 1</b> </pre>	<p>Retrieves the LACP configuration at port.</p> <ul style="list-style-type: none"> <li>• <b>commit</b>—Sends the LACP configuration to NID.</li> <li>• <b>flush</b>—Flushes all LACP configuration from the queue.</li> <li>• <b>lacpPhysicalPort port_num</b>—Retrieves the LACP configuration for specified port on the NID. The valid values are 1 to 6.</li> <li>• <b>review</b>—Displays the configuration on the NID.</li> </ul>
<b>Step 2</b>	<p><b>getLacpPortConfig review</b></p> <p><b>Example:</b></p> <pre> Switch(ProvisionLacpPortType)# <b>getLacpPortConfig review</b> Commands in queue: getLacpPortConfig lacpPhysicalPort 1 </pre>	<p>Displays the LACP configuration on the NID.</p>
<b>Step 3</b>	<p><b>getLacpPortConfig commit</b></p> <p><b>Example:</b></p> <pre> Switch(ProvisionLacpPortType)# <b>getLacpPortConfig commit</b> </pre>	<p>Sends the LACP configuration to the NID.</p>
<b>Step 4</b>	<p><b>exit</b></p> <p><b>Example:</b></p> <pre> Switch(ProvisionLacpPortType)# <b>exit</b> </pre>	<p>Exits the LACP provisioning mode.</p>

### Configuration Example

The example retrieves the LACP configuration for port 1 on the NID:

```
Switch(ProvisionLacpPortType)# getLacpPortConfig lacpPhysicalPort 1
Switch(ProvisionLacpPortType)# getLacpPortConfig review
Commands in queue:
  getLacpPortConfig lacpPhysicalPort 1
Switch(ProvisionLacpPortType)# getLacpPortConfig commit
GetLacpPortConfig_Output.lacpPortConfiguration.portNumber = 1
GetLacpPortConfig_Output.lacpPortConfiguration.lacpEnable = false
GetLacpPortConfig_Output.lacpPortConfiguration.key = 1
GetLacpPortConfig_Output.lacpPortConfiguration.role.t = 1
GetLacpPortConfig_Output.lacpPortConfiguration.role.u.active = true
GetLacpPortConfig_Output.lacpPortConfiguration.portPriority = 32768
GetLacpPortConfig_Output.lacpPortConfiguration.timeout.t = 1
GetLacpPortConfig_Output.lacpPortConfiguration.timeout.u.fast = true

GetLacpPortConfig Commit Success!!!
Switch(ProvisionLacpPortType)# exit
```

## Viewing the Default LACP Configuration at Port Level on the ME 1200 NID

### Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP](#), on page 2.

### DETAILED STEPS

	Command or Action	Purpose
Step 1	<p><b>getLacpPortDefaults {commit   flush   lacpPhysicalPort port-num   review}</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>getLacpPortDefaults ?</b>   commit          commit getLacpPortDefaults   flush          flush all getLacpPortDefaults commands from queue   lacpPhysicalPort Get LACP port default configuration   request   review          review getLacpPortDefaults commands Switch(ProvisionLacpPortType)# <b>getLacpPortDefaults lacpPhysicalPort 1</b></pre>	<p>Retrieve the LACP configuration at port.</p> <ul style="list-style-type: none"> <li>• <b>commit</b>—Sends the LACP configuration to NID.</li> <li>• <b>flush</b>—Flushes all LACP configuration from the queue.</li> <li>• <b>lacpPhysicalPort port_num</b>—Retrieves the default LACP configuration for specified port on the ME 1200 NID. The valid values are 1 to 6.</li> <li>• <b>review</b>—Displays the configuration on the ME 1200 NID.</li> </ul>
Step 2	<p><b>getLacpPortDefaults review</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>getLacpPortDefaults review</b> Commands in queue:   getLacpPortDefaults lacpPhysicalPort 1</pre>	<p>Displays the LACP configuration on the ME 1200 NID.</p>

	Command or Action	Purpose
<b>Step 3</b>	<b>getLacpPortDefaults commit</b>  <b>Example:</b> Switch(ProvisionLacpPortType) # <b>getLacpPortDefaults commit</b>	Sends the LACP configuration to the NID.
<b>Step 4</b>	<b>exit</b>  <b>Example:</b> Switch(ProvisionLacpPortType) # <b>exit</b>	Exits the LACP provisioning mode.

### Configuration Example

The example retrieves the default LACP configuration for port 1 on the ME 1200 NID:

```
Switch(ProvisionLacpPortType) # getLacpPortDefaults lacpPhysicalPort 1
Switch(ProvisionLacpPortType) # getLacpPortDefaults review
Commands in queue:
  getLacpPortDefaults lacpPhysicalPort 1
Switch(ProvisionLacpPortType) # getLacpPortDefaults commit
GetLacpPortDefaults_Output.lacpPortConfiguration.portNumber = 1
GetLacpPortDefaults_Output.lacpPortConfiguration.lacpEnable = false
GetLacpPortDefaults_Output.lacpPortConfiguration.key = 0
GetLacpPortDefaults_Output.lacpPortConfiguration.role.t = 1
GetLacpPortDefaults_Output.lacpPortConfiguration.role.u.active = true
GetLacpPortDefaults_Output.lacpPortConfiguration.portPriority = 32768
GetLacpPortDefaults_Output.lacpPortConfiguration.timeout.t = 1
GetLacpPortDefaults_Output.lacpPortConfiguration.timeout.u.fast = true

GetLacpPortDefaults Commit Success!!!
Switch(ProvisionLacpPortType) # exit
```



#### Note

NOTE: You must explicitly configure a key value. The default value for key retrieved is 0 until it is set to a value using the setLacpPortConfig operation.

## Verifying LACP

### Viewing the LACP System ID Information on the ME 1200 NID

#### Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP](#), on page 2.



## DETAILED STEPS

	Command or Action	Purpose
Step 1	<p><b>showLacpSysId {commit   flush   showLacpSysIdRequest   review}</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# showLacpSysId ? commit          commit showLacpSysId flush           flush all showLacpSysId commands from queue review          review showLacpSysId commands showLacpSysIdRequest Show LACP system-id request Switch(ProvisionLacpPortType)# showLacpSysId showLacpSysIdRequest</pre>	<p>Displays the LACP system ID information.</p> <ul style="list-style-type: none"> <li>• <b>commit</b>—Sends the LACP configuration to NID.</li> <li>• <b>flush</b>—Flushes all LACP configuration from the queue.</li> <li>• <b>showLacpSysIdRequest</b>—Displays the LACP system ID information on the ME 1200 NID.</li> <li>• <b>review</b>—Displays the configuration on the ME 1200 NID.</li> </ul>
Step 2	<p><b>showLacpSysId review</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# showLacpSysId review Commands in queue: showLacpSysId showLacpSysIdRequest showLacpSysId showLacpSysIdRequest</pre>	<p>Displays the LACP configuration on the ME 1200 NID.</p>
Step 3	<p><b>showLacpSysId commit</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# showLacpAggLB commit</pre>	<p>Sends the LACP configuration to the NID.</p>
Step 4	<p><b>exit</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# exit</pre>	<p>Exits the LACP provisioning mode.</p>

## Configuration Example

The example displays the LACP system ID information on the ME 1200 NID:

```
Switch(ProvisionLacpPortType)# showLacpSysId showLacpSysIdRequest
Commands in queue:
showLacpSysId showLacpSysIdRequest
showLacpSysId showLacpSysIdRequest
Switch(ProvisionLacpPortType)# showLacpSysId commit
ShowLacpSysId_Output.showLacpSysIdResponse.systemId = 'b8-38-61-68-7b-bc'
ShowLacpSysId_Output.showLacpSysIdResponse.systemPriority = 32768

ShowLacpSysId Commit Success!!!
Switch(ProvisionLacpPortType)# exit
```

## Viewing the LACP Load Balance Information on the ME 1200 NID

### Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP](#), on page 2.

### DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<pre>showLacpAggLB {commit   flush   showLacpAggLBRequest   review}</pre> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# showLacpAggLB ? commit                commit showLacpAggLB flush                 flush all showLacpAggLB commands from queue review                review showLacpAggLB commands showLacpAggLBRequest Show LACP load balance request Switch(ProvisionLacpPortType)# showLacpAggLB showLacpAggLBRequest</pre>	Displays LACP load balance information. <ul style="list-style-type: none"> <li>• <b>commit</b>—Sends the LACP configuration to NID.</li> <li>• <b>flush</b>—Flushes all LACP configuration from the queue.</li> <li>• <b>showLacpAggLBRequest</b>—Displays the LACP load balance information on the ME 1200 NID.</li> <li>• <b>review</b>—Displays the configuration on the ME 1200 NID.</li> </ul>
<b>Step 2</b>	<pre>showLacpAggLB review</pre> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# showLacpAggLB review Commands in queue: showLacpAggLB showLacpAggLBRequest</pre>	Displays the LACP configuration on the ME 1200 NID.
<b>Step 3</b>	<pre>showLacpAggLB commit</pre> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# showLacpAggLB commit</pre>	Sends the LACP configuration to the NID.
<b>Step 4</b>	<pre>exit</pre> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# exit</pre>	Exits the LACP provisioning mode.

### Configuration Example

The example displays the LACP load balance information on the ME 1200 NID:

```
Switch(ProvisionLacpPortType)# showLacpAggLB showLacpAggLBRequest
Switch(ProvisionLacpPortType)# showLacpAggLB review
Commands in queue:
showLacpAggLB showLacpAggLBRequest
Switch(ProvisionLacpPortType)# showLacpAggLB commit
ShowLacpAggLB_Output.lacpAggLBMode.smac_enable = true
```

```
ShowLacpAggLB_Output.lacpAggLBMode.dmac_enable = false
ShowLacpAggLB_Output.lacpAggLBMode.ip_enable = true
ShowLacpAggLB_Output.lacpAggLBMode.port_enable = true

ShowLacpAggLB Commit Success!!!
Switch(ProvisionLacpPortType)# exit
```

## Viewing the LACP Internal State Information on the ME 1200 NID

### Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP](#), on page 2.

### DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<pre>showLacpInternal {commit   flush   lacpPhysicalPort port-num   review}  Example:  Switch(ProvisionLacpPortType)# showLacpInternal ? commit          commit showLacpInternal flush           flush all showLacpInternal commands from queue lacpPhysicalPort Show LACP internal request review          review showLacpInternal commands Switch(ProvisionLacpPortType)# showLacpInternal lacpPhysicalPort 2</pre>	<p>Displays LACP internal state information.</p> <ul style="list-style-type: none"> <li>• <b>commit</b>—Sends the LACP configuration to NID.</li> <li>• <b>flush</b>—Flushes all LACP configuration from the queue.</li> <li>• <b>lacpPhysicalPort port_num</b>—Displays the LACP internal state information for specified port on the ME 1200 NID.</li> <li>• <b>review</b>—Displays the configuration on the ME 1200 NID.</li> </ul>
<b>Step 2</b>	<pre>showLacpInternal review  Example:  Switch(ProvisionLacpPortType)# showLacpInternal review Commands in queue:   showLacpNeighbors lacpPhysicalPort 1   showLacpInternal lacpPhysicalPort 1</pre>	<p>Displays the LACP configuration on the ME 1200 NID.</p>
<b>Step 3</b>	<pre>showLacpInternal commit  Example:  Switch(ProvisionLacpPortType)# showLacpInternal commit</pre>	<p>Sends the LACP configuration to the NID.</p>
<b>Step 4</b>	<pre>exit  Example:  Switch(ProvisionLacpPortType)# exit</pre>	<p>Exits the LACP provisioning mode.</p>

## Configuration Example

The example displays the LACP internal state information on the ME 1200 NID:

```
Switch(ProvisionLacpPortType)# showLacpInternal lacpPhysicalPort 2
Switch(ProvisionLacpPortType)# showLacpInternal review
Commands in queue:
    showLacpNeighbors lacpPhysicalPort 1
    showLacpInternal lacpPhysicalPort 1
Switch(ProvisionLacpPortType)# showLacpInternal commit
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[0].portNumber =1
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[0].mode = false
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[0].key = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[0].role = true
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[0].timeout = 1
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[0].portPriority= 32768
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[0].adminKey = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[0].operKey = 3
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[0].collectorMaxDelay = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[1].portNumber =2
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[1].mode = false
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[1].key = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[1].role = true
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[1].timeout = 1
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[1].portPriority= 26733
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[1].adminKey = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[1].operKey = 1
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[1].collectorMaxDelay = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[2].portNumber =3
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[2].mode = false
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[2].key = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[2].role = true
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[2].timeout = 1
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[2].portPriority= 32768
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[2].adminKey = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[2].operKey = 2
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[2].collectorMaxDelay = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[3].portNumber =4
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[3].mode = false
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[3].key = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[3].role = true
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[3].timeout = 1
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[3].portPriority= 32768
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[3].adminKey = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[3].operKey = 1
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[3].collectorMaxDelay = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[4].portNumber =5
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[4].mode = false
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[4].key = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[4].role = true
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[4].timeout = 1
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[4].portPriority= 32768
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[4].adminKey = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[4].operKey = 1
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[4].collectorMaxDelay = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[5].portNumber =6
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[5].mode = false
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[5].key = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[5].role = true
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[5].timeout = 1
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[5].portPriority= 32768
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[5].adminKey = 0
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[5].operKey = 1
ShowLacpInternal_Output.lacpPortInternals.lacpPortInternalslist[5].collectorMaxDelay = 0

ShowLacpInternal Commit Success!!!
Switch(ProvisionLacpPortType)# exit
```

## Viewing the LACP Neighbors Status Information on the ME 1200 NID

### Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP](#), on page 2.

### DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<p><b>showLacpNeighbors</b> {<b>commit</b>   <b>flush</b>   <b>lacpPhysicalPort</b> <i>port-number</i>   <b>review</b>}</p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>showLacpNeighbors ?</b> commit          commit showLacpNeighbors flush           flush all showLacpNeighbors commands from queue lacpPhysicalPort Show LACP neighbor status request review          review showLacpNeighbors commands Switch(ProvisionLacpPortType)# <b>showLacpNeighbors</b> <b>lacpPhysicalPort 2</b></pre>	<p>Displays LACP neighbor state information.</p> <ul style="list-style-type: none"> <li>• <b>commit</b>—Sends the LACP configuration to NID.</li> <li>• <b>flush</b>—Flushes all LACP configuration from the queue.</li> <li>• <b>lacpPhysicalPort</b><i>port num</i>—Displays the LACP neighbors information for specified port on the ME 1200 NID.</li> <li>• <b>review</b>—Displays the configuration on the ME 1200 NID.</li> </ul>
<b>Step 2</b>	<p><b>showLacpNeighbors review</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>showLacpNeighbors review</b> Commands in queue: showLacpNeighbors lacpPhysicalPort 2</pre>	Displays the LACP configuration on the ME 1200 NID.
<b>Step 3</b>	<p><b>showLacpNeighbors commit</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>showLacpNeighbors commit</b></pre>	Sends the LACP configuration to the NID.
<b>Step 4</b>	<p><b>exit</b></p> <p><b>Example:</b></p> <pre>Switch(ProvisionLacpPortType)# <b>exit</b></pre>	Exits the LACP provisioning mode.

### Configuration Example

The example displays the LACP neighbors status information on the ME 1200 NID:

```
Switch(ProvisionLacpPortType)# showLacpNeighbors lacpPhysicalPort 2
Switch(ProvisionLacpPortType)# showLacpNeighbors review
Commands in queue:
```

```

showLacpNeighbors lacpPhysicalPort 2
Switch(ProvisionLacpPortType)# showLacpNeighbors commit
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[0].aggrID = 1
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[0].partnerSysId =
'00-3a-99-fd-4a-44'
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[0].partnerPort = 3
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[0].partnerPortPriority
= 32768
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[0].partnerSysPriority =
32768
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[0].partnerOperKey = 3
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[0].aggrProtocolType =
'LACP'
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[0].bandwidth = 0
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[0].aggrMacAddr =
'00-3a-99-fd-4a-3b'
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[1].aggrID = 1
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[1].partnerSysId =
'00-3a-99-fd-4a-44'
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[1].partnerPort = 6
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[1].partnerPortPriority
= 32768
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[1].partnerSysPriority =
32768
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[1].partnerOperKey = 3
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[1].aggrProtocolType =
'LACP'
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[1].bandwidth = 0
ShowLacpNeighbors_Output.lacpNeighborStatus.lacpNeighborStatusList[1].aggrMacAddr =
'00-3a-99-fd-4a-3e'

ShowLacpNeighbors Commit Success!!!
Switch(ProvisionLacpPortType)# exit

```

## Viewing the LACP Statistics on the ME 1200 NID

### Before You Begin

- Perform the steps to provision LACP on the ME 1200 NID. See [Provisioning the ME 1200 NID to Configure LACP](#), on page 2.

### DETAILED STEPS

	Command or Action	Purpose
Step 1	<pre> showLacpStats {commit   flush   lacpPhysicalPort port-num   review}  Example:  Switch(ProvisionLacpPortType)# showLacpStats ? commit          commit showLacpStats flush          flush all showLacpStats commands from queue lacpPhysicalPort Show LACP statistics request review          review showLacpStats commands Switch(ProvisionLacpPortType)# showLacpStats lacpPhysicalPort 2 </pre>	<p>Displays the LACP statistics.</p> <ul style="list-style-type: none"> <li>• <b>commit</b>—Sends the LACP configuration.</li> <li>• <b>flush</b>—Flushes all LACP configuration from the queue.</li> <li>• <b>lacpPhysicalPort port_num</b>—Displays the LACP statistics for specified port on the ME 1200 NID.</li> <li>• <b>review</b>—Displays the configuration on the ME 1200 NID.</li> </ul>

	Command or Action	Purpose
<b>Step 2</b>	<b>showLacpStats review</b>  <b>Example:</b>  Switch(ProvisionLacpPortType)# <b>showLacpStats review</b> Commands in queue: showLacpStats lacpPhysicalPort 1 showLacpStats lacpPhysicalPort 2	Displays the LACP configuration on the ME 1200 NID.
<b>Step 3</b>	<b>showLacpStats commit</b>  <b>Example:</b>  Switch(ProvisionLacpPortType)# <b>showLacpStats commit</b>	Sends the LACP configuration to the NID.
<b>Step 4</b>	<b>exit</b>  <b>Example:</b> Switch(ProvisionLacpPortType)# <b>exit</b>	Exits the LACP provisioning mode.

### Configuration Example

The example displays the LACP statistics on the ME 1200 NID:

```
Switch(ProvisionLacpPortType)# showLacpStats lacpPhysicalPort 2
Switch(ProvisionLacpPortType)# showLacpStats review
Commands in queue:
    showLacpStats lacpPhysicalPort 1
    showLacpStats lacpPhysicalPort 2
Switch(ProvisionLacpPortType)# showLacpStats commit
ShowLacpStats_Output.lacpPortStatistics.lacpPortStatsList[0].rxUnknown = 0
ShowLacpStats_Output.lacpPortStatistics.lacpPortStatsList[0].port = 3
ShowLacpStats_Output.lacpPortStatistics.lacpPortStatsList[0].rxFrames = 17866
ShowLacpStats_Output.lacpPortStatistics.lacpPortStatsList[0].txFrames = 12527
ShowLacpStats_Output.lacpPortStatistics.lacpPortStatsList[0].rxIllegal = 0
ShowLacpStats_Output.lacpPortStatistics.lacpPortStatsList[1].rxUnknown = 0
ShowLacpStats_Output.lacpPortStatistics.lacpPortStatsList[1].port = 6
ShowLacpStats_Output.lacpPortStatistics.lacpPortStatsList[1].rxFrames = 17244
ShowLacpStats_Output.lacpPortStatistics.lacpPortStatsList[1].txFrames = 12132
ShowLacpStats_Output.lacpPortStatistics.lacpPortStatsList[1].rxIllegal = 0

ShowLacpStats Commit Success!!!
Switch(ProvisionLacpPortType)# exit
```

