



LACP Commands

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lACP port-priority

To set the physical port priority, use the **lACP port-priority** Interface (Ethernet) Configuration mode command. To restore the default configuration, use the **no** form of this command.

Syntax

lACP port-priority *value*

no lACP port-priority

Parameters

value—Specifies the port priority. (Range: 1–65535)

Default Configuration

The default port priority is 1.

Command Mode

Interface (Ethernet) Configuration mode

Example

The following example sets the priority of gi1/0/6.

```
switchxxxxxx(config)# interface gi1/0/6  
switchxxxxxx(config-if)# lACP port-priority 247
```

lACP system-priority

To set the system priority, use the **lACP system-priority** Global Configuration mode command. To restore the default configuration, use the **no** form of this command.

Syntax

lACP system-priority *value*

no lACP system-priority

Parameters

value—Specifies the system priority value. (Range: 1–65535)

Default Configuration

The default system priority is 1.

Command Mode

Global Configuration mode

Example

The following example sets the system priority to 120.

```
switchxxxxxx(config)# lACP system-priority 120
```

lACP timeout

To assign an administrative LACP timeout to an interface, use the **lACP timeout** Interface (Ethernet) Configuration mode command. To restore the default configuration, use the **no** form of this command.

Syntax

lACP timeout /long / short/

no lACP timeout

Parameters

- **long**—Specifies the long timeout value.
- **short**—Specifies the short timeout value.

Default Configuration

The default port timeout value is Long.

Command Mode

Interface (Ethernet) Configuration mode

Example

The following example assigns a long administrative LACP timeout to gi1/0/6.

```
switchxxxxxx(config)# interface gi1/0/6  
switchxxxxxx(config-if)# lACP timeout long
```

show lacp

To display LACP information for all Ethernet ports or for a specific Ethernet port, use the **show lacp** Privileged EXEC mode command.

Syntax

show lacp *interface-id* [**parameters** / **statistics** / **protocol-state**]

Parameters

- **interface-id**—Specify an interface ID. The interface ID must be an Ethernet port
- **parameters**—(Optional) Displays parameters only.
- **statistics**—(Optional) Displays statistics only.
- **protocol-state**—(Optional) Displays protocol state only.

Command Mode

Privileged EXEC mode

Example

The following example displays LACP information for gi1/0/1.

| | | | |
|---|----------------------|--|-------------------|
| switchxxxxxx# show lacp ethernet gi1/0/1 | | | |
| Port gi1/0/1 LACP parameters: | | | |
| | Actor | | |
| | system priority: | | 1 |
| | system mac addr: | | 00:00:12:34:56:78 |
| | port Admin key: | | 30 |
| | port Oper key: | | 30 |
| | port Oper number: | | 21 |
| | port Admin priority: | | 1 |
| | port Oper priority: | | 1 |
| | port Admin timeout: | | LONG |
| | port Oper timeout: | | LONG |
| | LACP Activity: | | ACTIVE |
| | Aggregation: | | AGGREGATABLE |
| | synchronization: | | FALSE |
| | collecting: | | FALSE |
| | distributing: | | FALSE |
| | expired: | | FALSE |
| | Partner | | |

| | | | |
|-----------------------------------|--|----------------------|---------------------|
| | | system priority: | 0 |
| | | system mac addr: | 00:00:00:00:00:00 |
| | | port Admin key: | 0 |
| | | port Oper key: | 0 |
| | | port Oper number: | 0 |
| | | port Admin priority: | 0 |
| | | port Oper priority: | 0 |
| | | port Admin timeout: | LONG |
| | | port Oper timeout: | LONG |
| | | LACP Activity: | PASSIVE |
| | | Aggregation: | AGGREGATABLE |
| | | synchronization: | FALSE |
| | | collecting: | FALSE |
| | | distributing: | FALSE |
| | | expired: | FALSE |
| Port gil/0/1 LACP Statistics: | | | 2 |
| | | LACP PDUs sent: | 2 |
| | | LACP PDUs received: | |
| Port gil/0/1 LACP Protocol State: | | | |
| LACP State Machines: | | | |
| | | Receive FSM: | Port Disabled State |
| | | Mux FSM: | Detached State |
| Control Variables: | | | |
| | | BEGIN: | FALSE |
| | | LACP_Enabled: | TRUE |
| | | Ready_N: | FALSE |
| | | Selected: | UNSELECTED |
| | | Port_moved: | FALSE |
| | | NNT: | FALSE |
| | | Port_enabled: | FALSE |
| Timer counters: | | | |
| | | periodic tx timer: | 0 |
| | | current while timer: | 0 |
| | | wait while timer: | 0 |

show lacp port-channel

To display LACP information for a port-channel, use the **show lacp port-channel** Privileged EXEC mode command.

Syntax

show lacp port-channel [*port_channel_number*]

Parameters

port_channel_number—(Optional) Specifies the port-channel number.

Command Mode

Privileged EXEC mode

Example

The following example displays LACP information about port-channel 1.

| | | | |
|---|--|------------------|-------------------|
| switchxxxxxx# show lacp port-channel 1 | | | |
| Port-Channel 1:Port Type 1000 Ethernet | | | |
| Actor | | | |
| | | System Priority: | 1 |
| | | MAC Address: | 000285:0E1C00 |
| | | Admin Key: | 29 |
| | | Oper Key: | 29 |
| Partner | | | |
| | | System Priority: | 0 |
| | | MAC Address: | 00:00:00:00:00:00 |
| | | Oper Key: | 14 |

■ show lacp port-channel