



# 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# <b>show lacp ethernet gi1/0/1</b>			
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# <b>show lacp port-channel 1</b>			
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