

Port Channel Commands

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channel-group

To associate a port with a port-channel, use the **channel-group** Interface (Ethernet) Configuration mode command. To remove a port from a port-channel, use the **no** form of this command.

Syntax

channel-group *port-channel* **mode** {**on** | **auto**}

no channel-group

Parameters

- ***port-channel***—Specifies the port channel number for the current port to join.
- **mode**—Specifies the mode of joining the port channel. The possible values are:

  on—Forces the port to join a channel without an LACP operation.

  auto—Forces the port to join a channel as a result of an LACP operation.

Default Configuration

The port is not assigned to a port-channel.

Command Mode

Interface (Ethernet) Configuration mode

Default mode is **on**.

User Guidelines

LACP starts to manage port joining.

When the **auto** mode is configured and there are not received LACP messages on all port-candidates then one of candidates is joined. When the first LACP message is received the port is disjoined and LACP starts to manage port joining.

Example

The following example forces port gi1/0/1 to join port-channel 1 without an LACP operation.

```
switchxxxxxx(config)#  interface gi1/0/1
switchxxxxxx(config-if)#  channel-group 1 mode on
```

port-channel load-balance

To configure the load balancing policy of the port channeling, use the **port-channel load-balance** Global Configuration mode command. To reset to default, use the **no** form of this command.

Syntax

port-channel load-balance *{***src-dst-mac** | **src-dst-mac-ip***}*

no port-channel load-balance

Parameters

- **src-dst-mac**—Port channel load balancing is based on the source and destination MAC addresses.
- **src-dst-mac-ip**—Port channel load balancing is based on the source and destination of MAC and IP addresses.

Default Configuration

src-dst-mac

Command Mode

Global Configuration mode

Example

```
switchxxxxxx(config)#  port-channel load-balance src-dst-mac
```

show interfaces port-channel

To display port-channel information for all port channels or for a specific port channel, use the **show interfaces port-channel** Privileged EXEC mode command.

Syntax

show interfaces port-channel *[interface-id]*

Parameters

interface-id—(Optional) Specify an interface ID. The interface ID must be a port channel.

Command Mode

Privileged EXEC mode

Examples

The following example displays information on all port-channels.

```
switchxxxxxx#  show interfaces port-channel
Load balancing: src-dst-mac.
Gathering information...
Channel  Ports
-------  -----
Po1      Active: 1,Inactive: gi1/0/2-3
Po2      Active: 5 Inactive: gi1/0/4
```