



# Stack Commands

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## set stack unit-type

To configure the unit type of a stack member , use the **set stack unit-type** Privileged EXEC mode command.

**set stack unit-type unit** *unit-id* **network** *network-type* **uplink** *uplink-type*

### Parameters

- **unit** *unit-id* - Define the unit ID to apply setting. (Range: 1–8)
- **network** *network-type* - The type of network ports of the unit. Supported values are:
  - gi (for device for which all network ports types are Gigabitethernet)
  - tw (for device for which all network ports types are TwoPointFiveGigabitEthernet).
  - te (for device for which all network ports typs are Tengigabitethernet).
- **uplink** *uplink-type* - The type of uplink ports of the unit. Supported values are:
  - te (for device with Tengigabitethernet uplink ports)
  - none (for devices with no uplink ports)

### Default Configuration

User defined type is not configured

### Command Mode

Privileged EXEC mode

### User Guidelines

Use the **set stack unit-type** command to define the type of "not-present" stack units (see below). The type of unit in stack defines the type of interface naming for this unit and determines which interface level commands can be applied.

If a unit is present or inserted in a stack, the unit type is automatically set by the software to the type of unit identified. If unit that was present is subsequently removed from stack the unit will become "not-present" but retain the existing unit type. If a unit is "not-present", and there is no previous type identified (unit did not exist previously in stack), its unit type is automatically set to the same unit type as the Active unit.

- if **network** port type is set to te, **uplink** port type must be set to none.
- if **network** port type is set to gi or tw , **uplink** port type must be set to te.
- If the command is applied to a unit which is present in stack, command will fail with the following error message: "Unit ID X is present in stack - cannot manually set unit type"
- The unit-type of each unit is saved across reboots and displayed as part of configuration file header in the following format: "**unit-type unit** X **network** *network-type* **uplink** *uplink-type*"

**Example 1**—The following example sets the unit type of unit 3.

```
switchxxxxxx# set stack unit-type unit 3 network gi uplink te
```

# stack unit

To place the user in the context of the specified stack unit or all stack units, use the **stack unit** Global Configuration command.

## Syntax

```
stack unit {unit-id | all}
```

## Parameters

- **unit-id**— Select a specific unit. All commands after this command refer to this unit. Unit must be member in the stack. (Range: 1–4).
- **all**—Select **all the units in the stack**.

## Default Configuration

None

## Command Mode

Global Configuration mode

**Example 1**—The following example sets the unit context to 2, all following stack command will apply to unit 2.

```
switchxxxxxx(config)# stack unit 2
```

**Example 2**—The following example sets the unit context to all units in the stack, all following stack command will apply to all the units.

```
switchxxxxxx(config)# stack unit all
```

# stack configuration

To configure the ports and unit id after reboot, use the **stack configuration** command.

## Syntax

```
stack configuration {[links ports-list] [unit-id {unit-id | auto}] }
```

```
no stack configuration
```

## Parameters

- *links*— Select port list to be used as stack links after reload.
- *ports-list* - a list of one or more stack ports separated by comma, or a range of sequential ports marked by dash.  
*no-links*— set stack unit without stack links after reboot.
- *unit-id*— Select the unit id to be used after reload. (Range: 1–4). Use *auto* to enable stack auto numbering feature.

## Command Mode

Global Configuration mode

Stack Unit mode.

## User Guidelines

- Running the command in Global Configuration mode will configure the current stack Active unit.
- The **no stack configuration** is used to return the stack configuration to factory default after reload (use the **reload** command to reboot unit).
- Running the command in **stack unit all** context and configuration of the *unit-id* parameter not to *auto* generate an error (to avoid setting several units to the same Id).
- Optional parameters not provided in the command will not be changed.

**Example 1**—The following example sets the Active unit to stack factory default.

```
switchxxxxxx(config)# no stack configuration
```

**Example 2**—The following example sets the unit 3 to have stack links (ports) te3-4 with unit ID auto.

```
switchxxxxxx(config)# stack unit 3  
switchxxxxxxunit# stack configuration links te3-4 unit-id auto
```

# show stack configuration

To display the stack configuration (including configuration that is configured after reboot) parameters, use the **show stack configuration** EXEC mode command.

## Syntax

**show stack configuration**

## Command Mode

User EXEC mode

## Examples

Display the stack configuration information for an entire stack.

```
switchxxxxx# show stack configuration
```

Unit Id	After Reboot Configuration	
	Unit Id	Stack Links
-----	-----	-----
1	1	te1-2
2	auto	te3-4
3	4	te1-2

# show stack

To display the stack operational status, use the **show stack** EXEC mode command.

## Syntax

```
show stack
```

## Command Mode

User EXEC mode

## Examples

Display the stack information for an entire stack.

```
switchxxxxxx# show stack  
Topology is Ring  
Units stack mode: Hybrid
```

Unit Id	MAC Address	Role	Network Port Type	Uplink Port Type
-----	-----	-----	-----	-----
1	00:00:b0:00:10:00	Active	te	none
2	00:00:b0:00:20:00	Standby	gi	te
3	00:00:b0:00:30:00	Member	gi	te
4	00:00:b0:00:40:00	Member	tw	te

# show stack links

To display the stack links operational status, use the **show stack links** EXEC mode command.

## Syntax

show stack links [details]

## Command Mode

User EXEC mode

**Example 1**—Display the stack links information for an entire stack.

```
switchxxxxxx# show stack links
```

Topology is Ring

Unit Id	Active Links	Neighbor Links	Operational Link Speed	Down/Standby Links
-----	-----	-----	-----	-----
1	te1/1-2	te3/4,te2/1	10G	te1/3,te1/4
2	te2/1-2	te1/2,te3/3	10G	
3	te3/3-4	te2/2,te1/1	10G	

**Example 2**—Display the stack links information for an entire stack with details.

.

```
switchxxxxxx# show stack links details
```

Unit Id	Link	Status	Speed	Neighbor Unit Id	Neighbor Link	Neighbor Mac Address
-----	-----	-----	-----	-----	-----	-----
1	te1	Active	10G	2	te2	00:00:b0:00:20:00
1	te2	Down	NA	NA	NA	NA
2	te1	Down	NA	NA	NA	NA
2	te2	Active	10G	1	te1	00:00:b0:00:10:00

Topology is Ring