

Interface GCC Command Reference

This chapter describes commands to configure the Interface GCC.

- interface gcc0, on page 2
- interface gcc1, on page 3
- ipv4 address odu, on page 4
- ipv4 address otu, on page 5
- show interfaces, on page 6
- show interfaces gcc0, on page 7
- show interfaces gcc1, on page 8

interface gcc0

To enter the configuration mode of GCC interface on an OTUk controller, use the **interface gcc0** command in the config mode.

interface gcc0 [*R/S/I/P*]

Syntax Description

R/S/I/P	Displays the Rack/Slot/Instance/Port of the controller.

Command Default

Disable

Command Modes

Config mode

Command History

Release	Modification
Release 5.2.4	This command was introduced.

Usage Guidelines

To use this command, you must be in a user group associated with a task group that includes appropriate task IDs. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.

Task ID

Task ID	Operation
otn	write

Example

This example shows how to enter the configuration mode of GCC interface on an OTU controller:

```
RP/0/RP0:hostname(config)# interface gcc0 0/0/0/0
```

interface gcc1

To enter the configuration mode of GCC interface on an ODUk controller, use the **interface gcc1** command in the config mode. To delete the controller oduk, use the **no** form of this command.

interface gcc1 [*R/S/I/P*]
no interface gcc1 [*R/S/I/P*]

Syntax Description

gcc1	Enters the configuration mode.
R/S/I/P	Displays the Rack/Slot/Instance/Port of the controller.

Command Default

Disable

Command Modes

Config mode

Command History

Release	Modification
Release 5.2.4	This command was introduced.

Usage Guidelines

To use this command, you must be in a user group associated with a task group that includes appropriate task IDs. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.

Task ID

Task ID	Operation
otn	write

Example

This example shows how to enter the configuration mode of GCC interface on an ODU controller.

```
RP/0/RP0:hostname (config)# interface gcc1 0/0/0/0
```

ipv4 address odu

To configure IP address for GCC on an ODUk controller, use the **ipv4 address** command in the config mode. To delete this feature, use the **no** form of this command.

ipv4 address
no ipv4 address

Command Default

None

Command Modes

Config mode

Command History

Release	Modification
Release 5.2.4	This command was introduced.

Usage Guidelines

To use this command, you must be in a user group associated with a task group that includes appropriate task IDs. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.

Task ID

Task ID	Operation
otn	write

Example

This example shows how to configure IP address for GCC1 on the ODU controller.

```
RP/0/RP0:hostname (config-if)# ipv4 address 1.1.1.1/24
```

ipv4 address otu

To configure IP address for GCC on an OTUk controller, use the **ipv4 address** command in the config mode. To delete this feature, use the **no** form of this command.

ipv4 address
no ipv4 address

Command Default

None

Command Modes

Config mode

Command History

Release	Modification
Release 5.2.4	This command was introduced.

Usage Guidelines

To use this command, you must be in a user group associated with a task group that includes appropriate task IDs. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.

Task ID

Task ID	Operation
otn	write

Example

This example shows how to configure IP address for GCC1 on the OTU controller.

```
RP/0/RP0:hostname (config-if)# ipv4 address 1.1.1.1/24
```

show interfaces

To display IP address and status of all the interfaces, use the **show interfaces** command in the exec mode.

show interfaces

This command has no keywords or arguments.

Command Modes

Exec mode

Command History

Release	Modification
Release 5.2.4	This command was introduced.

Usage Guidelines

To use this command, you must be in a user group associated with a task group that includes appropriate task IDs. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.

Task ID

Task ID	Operation
otn	read

Example

This example shows how to display IP address and brief status of all the interfaces:

```
RP/0/RP0:hostname # show ip interfaces
```

```
Wed Jan  5 05:04:46.659 UTC
Interface                      IP-Address      Status                Protocol
GCC00/0/0/0                    1.1.1.1         Up                    Down
MgmtEth0/RP1/CPU0/0            unassigned      Shutdown              Down
```

show interfaces gcc0

To display all the interfaces on which GCC is configured, use the **show interfaces gcc0** command in the exec or config mode.

show interfaces gcc0 [*R/S/I/P*]

Syntax Description

R/S/I/P	Displays the Rack/Slot/Instance/Port of the controller.

Command Modes

Exec mode

Config mode

Command History

Release	Modification
Release 5.2.4	This command was introduced.

Usage Guidelines

To use this command, you must be in a user group associated with a task group that includes appropriate task IDs. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.

Task ID

Task ID	Operation
otn	read

Example

This example shows how to display all the interfaces on which GCC is configured:

```
RP/0/RP0:hostname # show interfaces gcc0 0/1/0/0
```

```
GCC00/1/0/0 is up, line protocol is up
  Interface state transitions: 2
  Hardware is GCC0
  Internet address is 1.1.1.1/24
  MTU 4474 bytes, BW 4294967295 Kbit (Max: 4294967295 Kbit)
     reliability Unknown, txload Unknown, rxload Unknown
  Encapsulation PPP,  loopback not set, keepalive set (10 sec)
  LCP Open
  Open: IPCP
  Last input Unknown, output Unknown
  Last clearing of "show interface" counters Unknown
  Input/output data rate is disabled
```

show interfaces gcc1

To display all the interfaces on which GCC is configured, use the **show interfaces gcc1** command in the exec mode.

show interfaces gcc1 [*R/S/I/P*]

Syntax Description

show gcc1	Shows the gcc1 configuration mode.
R/S/I/P	Displays the Rack/Slot/Instance/Port of the controller.

Command Modes

Exec mode

Command History

Release	Modification
Release 5.2.4	This command was introduced.

Usage Guidelines

To use this command, you must be in a user group associated with a task group that includes appropriate task IDs. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.

Task ID

Task ID	Operation
otn	read

Example

The following example shows how to display all the interfaces on which GCC is configured.

```
RP/0/RP0:hostname # show ip interface brief gcc1 0/2/0/1
```

```
GCC10/2/0/1 is up, line protocol is up
  Interface state transitions: 2
  Hardware is GCC1
  Internet address is 1.2.3.4/24
  MTU 4474 bytes, BW 4294967295 Kbit (Max: 4294967295 Kbit)
     reliability Unknown, txload Unknown, rxload Unknown
  Encapsulation PPP,  loopback not set, keepalive set (10 sec)
  LCP Open
  Req-Sent: IPCP
  Last input Unknown, output Unknown
  Last clearing of "show ip interface brief" counters Unknown
  Input/output data rate is disabled
```