

Cross Connect Command Reference

This chapter describes the commands to create cross connection between the controllers.

- xconnect, on page 2
- show xconnect, on page 4

xconnect

To create a cross connection between controllers, use the **xconnect** command in the global configuration mode. To delete a cross connect, use the **no xconnect** command in the global configuration mode.

xconnect *ID* **endpoint-1** *ODUk R/S/I/P* **endpoint-2** *ODUk R/S/I/P*

xconnect *ID* **endpoint-1 odu-grp-mp** *Group ID* **endpoint-2 Odu-grp-mp** *Group ID*

xconnect *ID* **endpoint-1 Odu-grp-mp** *Group ID* **endpoint-2** *ODUk R/S/I/P*

no xconnect *ID*

Syntax Description

ID	Enter the cross connect ID. The valid range of cross connect ID is from 1 to 32655.
endpoint-1	Creates a cross connection from the endpoint of the first ODU controller.
endpoint-2	Creates a cross connection to the endpoint of the second ODU controller.
R/S/I/P	Interface instance of the controller.
Group ID	ID of the ODU group controller.
ODUk	Name of the controller.
Odu-grp-mp	Creates a cross connection from the ODU group controller.

Command Modes

Global configuration (config).

Command History

Release	Modification
5.2.1	This command was introduced.

Usage Guidelines

You can create a cross connection between similar types of ODUk controllers. For example: ODU1 to ODU1.

Two endpoints cannot be cross connected on the same port.

Example

The following example shows how to create a cross connection between ODUk to ODUk .

```
Router (config)#xconnect 2 endpoint-1 ODU1 0/0/0/1 endpoint-2 ODU2 0/0/0/2
```

The following example shows how to create a cross connection between one ODU Group to another ODU Group.

```
Router (config)#xconnect 4 endpoint-1 odU-grp-mp 4 endpoint-2 odU-grp-mp 3
```

The following example shows how to create a cross connection between ODU Group to ODUk .

```
Router (config)#xconnect 5 endpoint-1 odU-grp-mp 4 endpoint-2 odU1 0/0/0/1
```

The following example shows how to delete a cross connection.

```
Router (config)# no xconnect 2
```

show xconnect

To show details of a cross connection, use the **show xconnect** command in the privileged mode. To show all the cross connections, use the **show xconnect all** command in the privileged mode.

show xconnect *ID*

show xconnect all

Syntax Description

ID	Displays the cross connection ID. The valid range of cross connection ID is from 1 to 32655.
all	Displays all the cross connections.

Command Modes

Privileged (#)

Command History

Release	Modification
5.2.1	This command was introduced.

Example

The following example shows how to display description of a cross connection using its ID.

```
Router # show xconnect 1
```

```
Thu Oct  3 12:27:19.409 IST

Xconnect information for static permanent connection
-----------------------------------------------------

Xconnect Id     Endpoint First     Endpoint Second      status
    1            ODU10_0_0_0        ODU10_0_0_1      DP programmed
```

The following example shows how to display all the cross connections.

```
Router # show xconnect all
```

```
Thu Oct  3 12:27:00.986 IST

Xconnect information for static permanent connection
-----------------------------------------------------

Xconnect Id     Endpoint First      Endpoint Second       status
    1             ODU10_0_0_0         ODU10_0_0_1       DP programmed

    7             ODU10_0_0_1          ODU40_0_0_4       DP not programmed
```