



# User Plane Service Configuration Mode Commands

The User Plane Service Configuration Mode is used to create and manage the User Plane services on this system. The User Plane service acts as SGW-U service or PGW-U service based on Sx session established from Control plane. A single User-Plane-Service can serve SGW-U type sessions and/or PGW-U type sessions. You can also define two or more separate User-Plane-Services for each node type SGW-U and PGW-U respectively.

User Plane Service is associated with Sx Service for Control Plane interface and GTPU-Service for receiving GTPU packets. For this release, each User-Plane-Service is associated with only single Sx Service to interface with Control plane.

**Command Modes** Exec > Global Configuration > Context Configuration > User Plane Service Configuration

**configure** > **context** *context\_name* > **user-plane-service** *service\_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name( config-user-plane-service )#
```



**Important** The commands or keywords/variables that are available are dependent on platform type, product version, and installed license(s).

- [associate, on page 1](#)
- [end, on page 3](#)
- [exit, on page 3](#)

## associate

Associates or disassociates a user-plane service with GTPU. By default, this CLI command is disabled.

**Product** CUPS

**Privilege** Administrator

**Command Modes** Exec > Global Configuration > Context Configuration > User Plane Service Configuration

**configure** > **context** *context\_name* > **user-plane-service** *service\_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-user-plane-service)#
```

### Syntax Description

**[no] associate gtpu-service** *service\_name* { pgw-ingress | sgw-ingress | sgw-egress | sx-service | cp-tunnel | upf-ingress | interface-type [n9 |s5u | s8u | n3] }

#### no

Removes association of GTPU-Service from the User-Plane-Service. For example, the CLI command **no associate gtpu-service pge-ingress** removes the association of GTPU-Service with interface type **pgw-ingress**, with User-Plane-Service.

#### gtpu-service

Associates GTPU-Service with User-Plane-Service.

*service\_name* specifies the name for a pre-configured GTPU service to be associated with the User-Plane service.

#### pgw-ingress

Configures the interface type as PGW ingress.

#### sgw-ingress

Configures the interface type as SGW ingress.

#### sgw-egress

Configures the interface type as SGW egress.

#### sx-service

Configures the interface type as Sx service.

#### cp-tunnel

Configures the interface type as cp-tunnel (tunnel towards Control Plane function).

#### upf-ingress

Configures the interface type as UPF ingress.

#### interface-type [n9 |s5u | s8u | n3]

Configures the desired GTP-U ingress interface type.

### Usage Guidelines

Use this command to associate a pre-configured GTPU service the user-plane service.

**Example**

The following command associates a pre-configured GTPU service called *gtp1*, with *pgw-ingress* interface to the user-plane service:

```
associate gtpu-service gtp1 pgw-ingress
```

## end

Exits the current configuration mode and returns to the Exec mode.

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>end</b>
<b>Usage Guidelines</b>	Use this command to return to the Exec mode.

## exit

Exits the current mode and returns to the parent configuration mode.

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>exit</b>
<b>Usage Guidelines</b>	Use this command to return to the parent configuration mode.

■ exit