



UPF Ingress Interfaces

- [Feature Summary and Revision History, on page 1](#)
- [Feature Description, on page 1](#)
- [UPF Ingress Interface Type Configuration, on page 2](#)

Feature Summary and Revision History

Summary Data

Table 1: Summary Data

Applicable Product(s) or Functional Area	5G-UPF
Applicable Platform(s)	VPC-SI
Feature Default Setting	Disabled – Configuration Required
Related Changes in this Release	Not Applicable
Related Documentation	<i>UCC 5G UPF Configuration and Administration Guide</i>

Revision History

Table 2: Revision History

Revision Details	Release
First introduced.	2020.02.0

Feature Description

UPF supports GTP-U ingress interfaces to initiate the user plane service.

The user plane service associates with the GTP-U service using the **associate gtpu-service** CLI command in User Plane Service configuration mode. To enable the **upf-ingress** command, you must configure the **require upf** command on the UPF. You need the UPF license to enable the **require upf** command.

UPF Ingress Interface Type Configuration

Configuring UPF Ingress Interface Type

Configuration Example

The following is an example configuration:

```
associate gtpu-service n3-ingress upf-ingress
associate gtpu-service n3-ingress upf-ingress interface-type n3
associate gtpu-service n9-ingress upf-ingress interface-type n9
associate gtpu-service s5-ingress upf-ingress interface-type s5
associate gtpu-service s8-ingress upf-ingress interface-type s8
```

Verifying the UPF Ingress Interface Type Configuration

To verify the configuration, use the following command:

- [show user-plane-service all, on page 2](#)

show user-plane-service all

The **show user-plane-service all** command displays user-plane service information.

The following is a sample output of this command:

```
show user-plane-service all
Service name                : user-plane-service
Service-Id                  : 7
Context                      : EPC2-UP
Status                       : NOT STARTED
UPF Ingress GTPU Service     : sx-gtpu-service
UPF Ingress N3 Interface Type GTPU Service: n3-ingress
UPF Ingress N9 Interface Type GTPU Service: n9-ingress
UPF Ingress S5U Interface Type GTPU Service: s5u-ingress
UPF Ingress S8U Interface Type GTPU Service: s8u-ingress
UPF Egress GTPU Service      : Not defined
SGW Ingress GTPU Service     : SGW-Ingress
SGW Egress GTPU Service      : SGW-Egress
Control Plane Tunnel GTPU Service : control_gtpu
Sx Service                   : sxu
Control Plane Group          : g1
Fast-Path service           : Disabled
```

NOTES:

- The UPF configures only one of the interface types, **pgw-ingress** or **upf-ingress** in a single user plane service.