Control Plane and User Plane Association

Feature Summary and Revision History

Summary Data

Table 1: Summary Data

Applicable Product(s) or Functional Area	cnBNG
Applicable Platform(s)	SMI
Feature Default Setting	Disabled - Configuration Required
Related Changes in this Release	Not Applicable
Related Documentation	Not Applicable

Revision History

Table 2: Revision History

Revision Details	Release
First introduced.	2021.01.0

Feature Description

The Control Plane (CP) associates with a peer User Plane to synchronize with the number of subscriber sessions and state of each session. The CP and UP must maintain the total number of active sessions and their state on both sides.

To associate a UP to the CP, see the .

Enabling Control Plane and User Plane Association

This section describes how to enable CP to UP association.

Associating the CP and UP involves the following procedure.

Associating the User Plane

Associating the User Plane

Use the following commands to associate the Control Plane (CP) to the peer User Plane.

```
config
  user-plane user_plane_name
  offline
  peer-address { ipv4 ipv4_address | ipv6 ipv6_address }
  port-id port_identifier subscriber-profile subscriber_profile
  subscriber-profile subscriber_profile
  exit
```

NOTES:

- **user-plane** *user_plane_name*: Specifies the User Plane (UP) name and enter UP Configuration mode.

- **offline**: Marks the UP offline for a graceful disconnect.

- **peer-address ipv4** *ipv4_address*: Specifies the peer IPv4 address of the UP.

- **peer-address ipv6** *ipv6_address*: Specifies the peer IPv6 address of the UP.

- **port-id** *port_identifier* **subscriber-profile** *subscriber_profile*: Specifies the port identifier of the UP. **subscriber-profile** *subscriber_profile* associates the subscriber profile at the port identifier level.

- **subscriber-profile** *subscriber_profile*: Associates the subscriber profile at UP level.