

Configuring NCE for Point-to-Point Interfaces

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Configuring Point-to-Point Interfaces

The tpo ID configuration forms an SCTP peering between two peers to transport optimized TCP traffic over the WAN link.

The following are important points to remember when configuring the tpo ID:

- The tpo ID configuration is done in the configuration mode.
- A tpo ID is configured with an integer from 1 to 64.
- Different NCE service modules have different platform capabilities. Use the **show tpo module-capacity** command to see the maximum number of peers supported for a specific module.
- Only one SCTP peer IP address can be configured within a tpo ID.
- A tpo ID has “default policy action compress-sctp” configured if no service policy is associated with the tpo ID.
- Only one service policy can be configured within a tpo ID, to associate a policy map with the tpo ID.
- The same SCTP-peer IP address cannot be configured within different tpo IDs.

Example:

```
service-module(config)# tpo id 1
Configuring TPO_config
service-module(config-tpo-id)# sctp-peer 12.2.2.2
service-module(config-tpo-id)# default policy action compress-sctp
service-module(config-tpo-id)#
```

Configuration Example

Use the following configuration examples when referring to routers A and B in [Figure 4-1](#).

Router A

```
interface Transport-Opt-Service-Engine0/1
 ip unnumbered GigabitEthernet0/1
```

```

service-module ip address 1.100.70.189 255.255.0.0
service-module ip default-gateway 1.100.70.188
!
interface Serial0/0/0
ip address 2.1.1.1 255.255.255.0
transport-opt 3 interface Transport-Opt-Service-Engine0/1

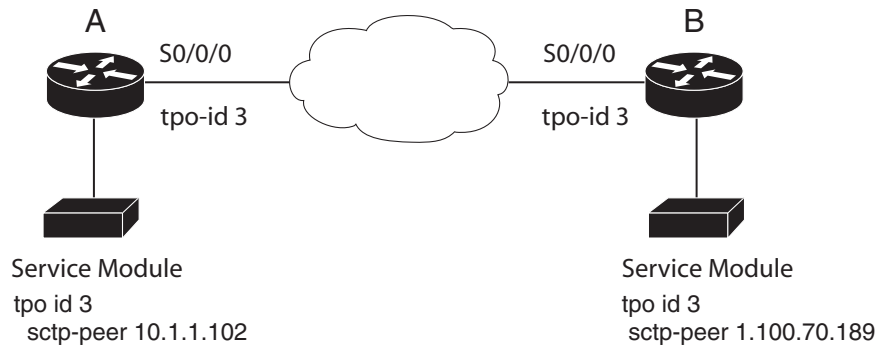
```

Router B

```

interface Transport-Opt-Service-Engine0/1
ip unnumbered GigabitEthernet0/1
service-module ip address 10.1.1.102 255.255.255.0
service-module ip default-gateway 10.1.1.101
!
interface Serial0/0/0
ip address 2.1.1.2 255.255.255.0
transport-opt 3 interface Transport-Opt-Service-Engine0/1
!

```

Figure 4-1 Point-to-Point Configuration Example

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