

Configuring Inter-PSD Forwarding on a PSD

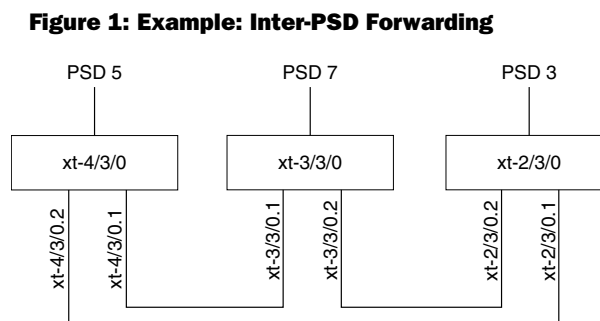
To configure inter-PSD forwarding on a PSD:

1. Use the `xt-fpc/pic/slot` statement at the [edit interfaces] hierarchy level to configure cross-connections with the other PSDs.
2. Configure logical interfaces under the cross-connect interface using the `unit logical-unit-number` statement at the [edit interfaces `xt-fpc/pic/slot`] hierarchy level.

The values for `logical-unit-number` must match values set in the Root System Domain (RSD) configuration.

3. For each logical interface, include the following statements:
 - `peer-psd psdn`—Configure a peer PSD. The PSD identification is a numeric value with a range of 1 through 31.
 - `peer-interface interface-name`—Configure the tunnel peer interface that is bound to the logical interface.
 - `encapsulation frame-relay`—Configure Frame Relay encapsulation. Currently, only Frame Relay encapsulation is supported for inter-PSD forwarding.
 - `point-to-point`—Configure the interface as a point-to-point interface.
 - `dlci dlci-number`—Configure the data-link connection identifier (DLCI) for the point-to-point interface.
 - `family family-name`—Configure the protocol family for the interface.
4. Repeat this procedure for each PSD that you want to include in inter-PSD forwarding.

In the example illustrated in Figure 1, a cross-connect using a tunnel interface transports packets between the logical interfaces configured on each PSD.



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Table 1: Example: Inter-PSD Forwarding

PSD	Interfaces
PSD 5	xt-4/3/0.1 10.0.0.2 2121:2121::2/64
	xt-4/3/0.2 10.0.1.2
PSD 7	xt-3/3/0.1 10.0.0.1 2121:2121::1/64
	xt-3/3/0.2 10.1.1.2
PSD 3	xt-3/3/0.1 10.0.0.1 2121:2121::1/64
	xt-2/3/0.2 10.1.1.1

In this example, the [edit interfaces] hierarchy on PSD 5 is configured as follows:

```
interfaces {
  xt-4/3/0 {
    unit 1 {
      peer-psd psd7;
      peer-interface xt-3/3/0.1;
      encapsulation frame-relay;
      point-to-point;
      dlc1 1;
      family inet {
        address 10.0.0.2/32 {
          destination 10.0.0.1;
        }
      }
      family inet6 {
        address 2121:2121::2/64;
      }
    }
    unit 2 {
      peer-psd psd3;
      peer-interface xt-2/3/0.1;
      encapsulation frame-relay;
      point-to-point;
      dlc1 2;
      family inet {
        address 10.0.1.2/32 {
          destination 10.0.1.1;
        }
      }
    }
  }
}
```

```
}  
}
```

In this example, the [edit interfaces] hierarchy on PSD 7 is configured as follows:

```
interfaces {  
  xt-3/3/0 {  
    unit 1 {  
      peer-psd psd5;  
      peer-interface xt-4/3/0.1;  
      encapsulation frame-relay;  
      point-to-point;  
      dlci 1;  
      family inet {  
        address 10.0.0.1/32 {  
          destination 10.0.0.2;  
        }  
      }  
      family inet6 {  
        address 2121:2121::1/64;  
      }  
    }  
    unit 2 {  
      peer-psd psd3;  
      peer-interface xt-2/3/0.2;  
      encapsulation frame-relay;  
      point-to-point;  
      dlci 2;  
      family inet {  
        address 10.1.1.1/32 {  
          destination 10.1.1.2;  
        }  
      }  
    }  
  }  
}
```

In this example, the [edit interfaces] hierarchy on PSD 3 is configured as follows:

```
interfaces {  
  xt-2/3/0 {  
    unit 1 {  
      peer-psd psd5;  
      peer-interface xt-4/3/0.2;  
      encapsulation frame-relay;  
      point-to-point;  
      dlci 1;  
      family inet {  
        address 10.0.1.1/32 {  
          destination 10.0.1.2;  
        }  
      }  
    }  
    unit 2 {  
      peer-psd psd7;  
      peer-interface xt-3/3/0.2;  
    }  
  }  
}
```

```
encapsulation frame-relay;  
point-to-point;  
dlci 2;  
family inet {  
    address 10.1.1.2/32 {  
        destination 10.1.1.1;  
    }  
}  
}  
}
```

- Related Topics**
- Inter-PSD Forwarding Overview
 - Interface Hierarchy
 - Before You Configure Inter-PSD Forwarding

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