

## Examples: Configuring Channelized DS3-to-DS1 Interfaces

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The following configuration is sufficient to get the channelized DS3-to-DS1 interface up and running. The T3 interface can be divided into 28 channels, each at T1 line rate. DS3 channels can use the following encapsulation types for their logical interfaces:

- PPP, PPP CCC, and PPP TCC
- Frame Relay, Frame Relay CCC, and Frame Relay TCC
- Cisco HDLC, Cisco HDLC CCC, and Cisco HDLC TCC

For more information, see *Configuring Frame Relay DLCIs*.

### Configuring Cisco HDLC Encapsulation on a Channelized DS3 Interface

```
[edit interfaces]
t1-2/0/1:20 {
  encapsulation cisco-hdlc;
  unit 0 {
    family inet {
      address 10.0.4.40/32 {
        destination 10.0.4.41;
      }
    }
  }
}
```

### Configuring PPP Encapsulation on a Channelized DS3 Interface

```
[edit interfaces]
t1-2/0/1:20 {
  encapsulation ppp;
  unit 0 {
    family inet {
      address 10.0.4.40/32 {
        destination 10.0.4.41;
      }
    }
  }
}
```

### Configuring Five Frame Relay DLCIs on a Channelized DS3 Interface

```
[edit interfaces]
t1-5/1/3:0 {
  mtu 9192;
  encapsulation frame-relay;
  unit 1 {
    dlc1 101;
    family inet {
      mtu 9000;
      address 10.123.1.2/32 {
        destination 10.123.1.1;
      }
    }
  }
  family iso {
```

```

        mtu 9000;
    }
    family mpls {
        mtu 9000;
    }
}
unit 2 {
    dlc1 102;
    family inet {
        mtu 9000;
        address 10.123.1.4/32 {
            destination 10.123.1.3;
        }
    }
    family iso {
        mtu 9000;
    }
    family mpls {
        mtu 9000;
    }
}
unit 3 {
    dlc1 103;
    family inet {
        mtu 9000;
        address 10.123.1.6/32 {
            destination 10.123.1.5;
        }
    }
    family iso {
        mtu 9000;
    }
    family mpls {
        mtu 9000;
    }
}
unit 4 {
    dlc1 104;
    family inet {
        mtu 9000;
        address 10.123.1.8/32 {
            destination 10.123.1.7;
        }
    }
    family iso {
        mtu 9000;
    }
    family mpls {
        mtu 9000;
    }
}
unit 5 {
    dlc1 105;
    family inet {
        mtu 9000;
        address 10.123.1.10/32 {

```

```

        destination 10.123.1.9;
    }
}
family iso {
    mtu 9000;
}
family mpls {
    mtu 9000;
}
}
}

```

**Configuring Cisco HDLC Encapsulation with Byte-Encoding**

```

[edit interfaces t1-1/1/0:1]
no-keepalives;
encapsulation cisco-hdlc;
t1-options {
    byte-encoding nx56;
}
unit 0 {
    family inet {
        address 10.221.2.8/24;
    }
}

```

**Configuring Cisco HDLC Encapsulation with Byte-Encoding and Framing**

```

[edit interfaces t1-1/1/0:1]
no-keepalives;
encapsulation cisco-hdlc;
t1-options {
    byte-encoding nx56;
    framing sf;
}
unit 0 {
    family inet {
        address 10.221.2.8/24;
    }
}

```

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