

Configuring Multiple DSPU to Upstream FEP

Document ID: 17573

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Introduction

This document provides a sample configuration for multiple downstream physical units (DSPUs) that are connected to an upstream front-end processor (FEP).

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

The information in this document is based on Communications Manager/2 (CommMgr/2) that is running on OS/2.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions .

Design Notes

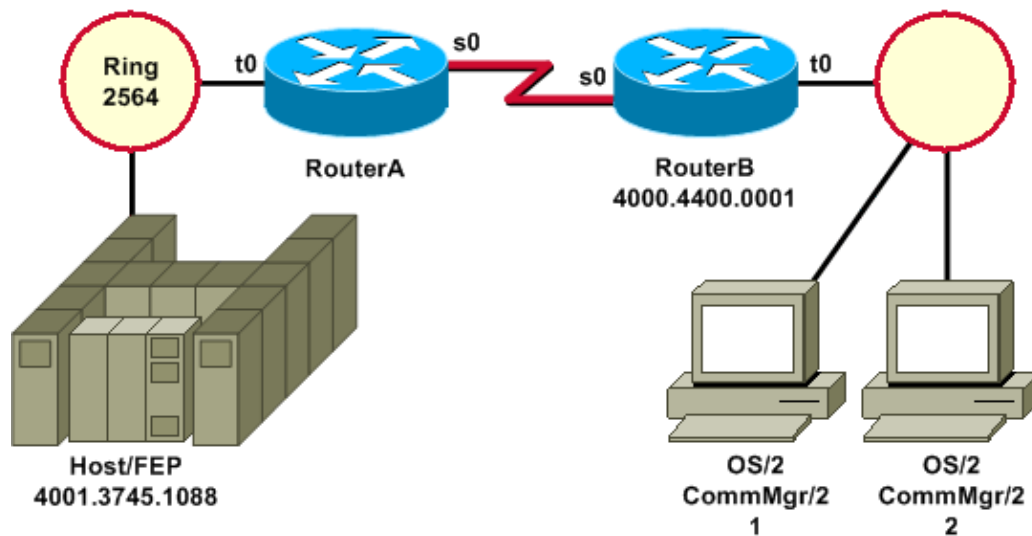
- These configurations use Remote Source-Route Bridging (RSRB). DSPU can be used over Data Link Switching Plus (DLSw+) (recommended) using Virtual Data-Link Control (VDLC).
- DSPU is configured to use dedicated Logical Unit (LU) resources and allow connections from devices with listed Exchange Identifications (XIDs).
- A Multiple DSPU to Upstream FEP Sniffer Trace was taken between CommMgr/2 and RouterB.

Configure

In this section, you are presented with the information to configure the features described in this document.

Network Diagram

This document uses this network setup:



Configurations

This document uses these configurations:

- RouterA
- RouterB
- CommMgr/2 1
- CommMgr/2 2
- VTAM Switched Major Node

| RouterA |
|--|
| <pre>hostname RouterA source-bridge ring-group 2989 source-bridge remote-peer 2989 tcp 198.92.0.235 source-bridge remote-peer 2989 tcp 192.190.226.148 interface Serial0 ip address 193.100.1.1 255.255.255.0 interface TokenRing0 ip address 198.92.0.235 255.255.255.0 ring-speed 16 source-bridge 2564 1 2989 source-bridge spanning</pre> |

| RouterB |
|--|
| <pre>hostname RouterB source-bridge ring-group 2989</pre> |

```

source-bridge remote-peer 2989 tcp 192.190.226.148
source-bridge remote-peer 2989 tcp 198.92.0.235

dspu rsrbr 77 1 2989 4000.ffff.0001
dspu rsrbr enable-host lsap 4
dspu host HOST3745 xid-snd 05d05197 rmac 4001.3745.1088 lsap 4 rsap 4
dspu rsrbr start HOST3745
dspu pu SRVTOK2 xid-rcv 05daa005 lsap 4 rsap 4
dspu lu 2 4 host HOST3745 5
dspu pu SRVTOK xid-rcv 05d10001 lsap 4 rsap 4
dspu lu 2 4 host HOST3745 8

interface Serial0
ip address 193.100.1.2 255.255.255.0

interface TokenRing0
mac-address 4000.4400.0001
ip address 192.190.226.148 255.255.255.0
no ip route-cache
ring-speed 16
dspu enable-pu lsap 4

```

CommMgr/2 1

Configure CommMgr/2 on the first PC in this manner:

1. Click the **CM Setup** icon.
2. Click the **Setup** button.
3. Specify the configuration name and click **OK**.
4. To specify the configuration type, click **Configure** and complete these fields with these values:

- ◆ Netid: NETA
- ◆ Local Node Name: DSPUA
- ◆ Local Node ID: 05DAA005
- ◆ LAN Destination: 4000.4400.0001

CommMgr/2 2

Configure CommMgr/2 on the second PC in this manner:

1. Click the **CM Setup** icon.
2. Click the **Setup** button.
3. Specify the configuration name and click **OK**.
4. To specify the configuration type, click **Configure** and complete these fields with these values:

- ◆ Netid: NETA
- ◆ Local Node Name: DSPUA
- ◆ Local Node ID: 05D10001
- ◆ LAN Destination: 4000.4400.0001

VTAM Switched Major Node

```

SWCERT5A VBUILD TYPE=SWNET,MAXGRP=4,MAXNO=4
*
DSPUA    PU      ADDR=01,
          PUTYPE=2,
          IDBLK=05D,

```

```
IDNUM=05197 ,
MODETAB=ALAMODE ,
DLOGMOD= SX32702S ,
DISCNT= (NO) ,
USSTAB=USSSNA ,
ISTATUS=ACTIVE ,
MAXDATA=521 ,
IRETRY=YES ,
MAXOUT=7 ,
PASSLIM=5 ,
MAXPATH=4
*
DSPAL00 LU      LOCADDR=02
DSPAL01 LU      LOCADDR=03
DSPAL02 LU      LOCADDR=04
.
.
.
DSPAL20 LU      LOCADDR=22
```

Verify

There is currently no verification procedure available for this configuration.

Troubleshoot

There is currently no specific troubleshooting information available for this configuration.

Related Information

- [Technology Support](#)
- [Product Support](#)
- [Technical Support & Documentation – Cisco Systems](#)