Configuring Boundary Access Node (BAN)

NOTE

This is a basic configuration. Depending on the type of network, you may need to configure additional parameters.

For information on how to access the configuration and monitoring prompts, see the back of this card.

Configure the router for Frame Relay (FR). Add a permanent circuit. The router prompts you for a circuit number and a circuit name. This circuit functions as the BAN DLCI.

Configure the router for ASRT (Adaptive Source Route Bridging). Add a bridge port and assign a circuit name. This name *must* match the name assigned to the FR circuit, above. Enable source routing on the port.

If you are supporting SDLC end stations, configure the router for DLSw, and be sure to open a SAP on the Frame Relay interface.

Configure the router for BAN. You enter BAN configuration commands at the `BAN config>` prompt. You access this prompt within `DLSw config>` or `ASRT config>`.

```
DLSw config>ban
BAN (Boundary Access Node) configuration
BAN config>
```

Add a BAN port. Enter the BAN DLCI MAC address and the Boundary Node MAC Identifier address. These addresses pertain to the MAC address of the DLCI and the hard-coded (default) address in the NCP software, respectively.

Specify bridged or terminated BAN. Choose bridging unless you want all sessions to be DLSw terminated.

When you are finished configuring the router, restart it as described on the back of this card to load the new configuration.

Boundary Access Node Configuration Commands

This section summarizes the Boundary Access Node configuration commands. Enter these commands at the `BAN config>` prompt. The back of this card tells you how to display this prompt. Enter ? to list available commands or their options.

<u>a</u>dd

> *port#*
>
> > Adds a BAN port.

<u>de</u>lete

> *port#*
>
> > Deletes a BAN port.

<u>l</u>ist

> Displays the existing BAN configuration.

<u>ex</u>it

> Returns to the `DLSw config>` or `ASRT config>` prompt.

Boundary Access Node Monitoring Commands

This section summarizes the Boundary Access Node monitoring commands. Enter these commands at the `BAN>` prompt. The back of this card tells you how to display this prompt. Enter ? to list available commands or their options.

list

    Displays information about the existing BAN configuration and the current status of the BAN DLCI.

exit

    Returns to the `DLSw config>` or `ASRT config>` prompt.

Configuring the Router

Enter configuration commands at the `Config>` prompt. Access the config prompt as shown:

```
*talk 6
Gateway user configuration
Config>
```

If the `Config>` prompt does not appear, press ⬅ again.

To enter BAN configuration commands, display the `DLSw config>` prompt as shown:

```
Config>protocol dls
DLSw config>ban
BAN config>
```

To return to the * prompt, press [Ctrl] [p].

Restarting the Router

When you are done configuring the router, restart it to load the new configuration. Enter **restart** at the * prompt and respond yes to the following prompt:

```
Are you sure you want to restart the gateway? (Yes or No): yes
```

When the new configuration is finished loading, the terminal displays the * prompt.

Monitoring the Router

Enter monitoring commands at the GWCON prompt (+). To enter BAN monitoring commands, display the `BAN>` prompt as shown:

```
*talk 5

CGW Operator Console
+protocol dls
DLSW>ban
BAN>
```

To return to the * prompt, press [Ctrl] [p].

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