



There exist multiple types of connectivity within the Communications Server for AIX®.

## SNA connectivity

- Communications Server for AIX connectivity includes:
  - ▶ Enterprise Extender, High Performance Routing (HPR)
    - Dynamic route discovery
    - Non-disruptive session recovery
    - UDP/IP using ports 12000 - 12004

Communications Server AIX Connectivity

CS/AIX provides Enterprise Extender (HPR/IP) connectivity

## SNA connectivity, continued

- ▶ **LLC-2 SNA LAN**
  - Ethernet or Token-Ring
    - Peer or Host connections
    - Downstream Gateway
    - Downstream DLUR
- ▶ **WAN**
  - SDLC, X.25
  - Requires vendor-acquired adapters

LLC-2 LAN (SNA over LAN)

- Three types of LAN connections, Host, Downstream Gateway, Downstream DLUR

WAN - SDLC or X.25 QLLC

## Enterprise Extender

Configuring CS/AIX Enterprise Extender connectivity:

1. Define DLC
2. Define Port
  - Specify Interface (eth0, eth1, ...)
  - Specify Connection Network
3. Define Link Station
  - Remote IP host address or name
  - Adjacent Node Type (Network Node, End Node)
4. Define DLUR
5. Define Local LU, LU Pool

Enterprise Extender definitions require defining a DLC, Port and Link station.

Using Port definition, the IP interfaces can be selected that will support Enterprise Extender

The link stations should specify at one Network Node server, more if possible for higher availability.

## LAN LLC2

Configuring CS/AIX LAN LLC2 connectivity:

Define DLC

1. Define Port

- Ethernet
- Token-Ring

2. Define Link Station in one of three types

- Link station to peer or Host
- LAN Downstream Gateway
- LAN Downstream DLUR (Passthrough DLUR)

LAN LLC2 definitions provide the ability to “pass through” the PU visibility to the Host

LAN connections can be to Host or peers, defined as a Downstream Gateway or defined as Downstream DLUR

Downstream Gateway provides consolidation of LUs on the server

Downstream DLUR provides direct pass through capabilities.

## LAN LLC2, continued

3. Define DLUR
4. Define Local LU, LU Pool

The Host can see the defined PUs downstream of the CS/AIX server.

## Communications Server for AIX WAN

Configuring CS/AIX WAN connectivity:

1. Define DLC (SDLC or X.25 QLLC)
2. Define Port
  - SDLC
  - X.25 QLLC

Like LAN, WAN definitions provide the ability to “pass through” the PU visibility to the Host

SDLC or X.25 QLLC port definitions are dependent on the WAN adapters supporting the connection.

## Communications Server for AIX WAN, continued

3. Define Link Station as one of three types
  - Link station to peer or Host
  - LAN Downstream Gateway
  - LAN Downstream DLUR (Passthrough DLUR)
4. Define DLUR
5. Define Local LU, LU Pool

Like LAN, WAN definitions provide the ability to “pass through” the PU visibility to the Host

SDLC or X.25 QLLC port definitions are dependent on the WAN adapters supporting the connection.



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