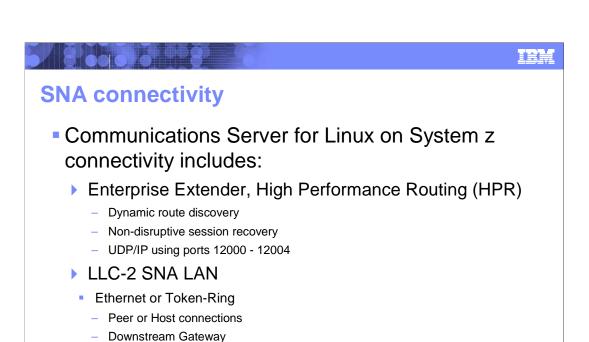


There exist multiple types of connectivity with Communications Server for Linux $^{\text{\tiny 8}}$ on System $z^{\text{\tiny 8}}$.

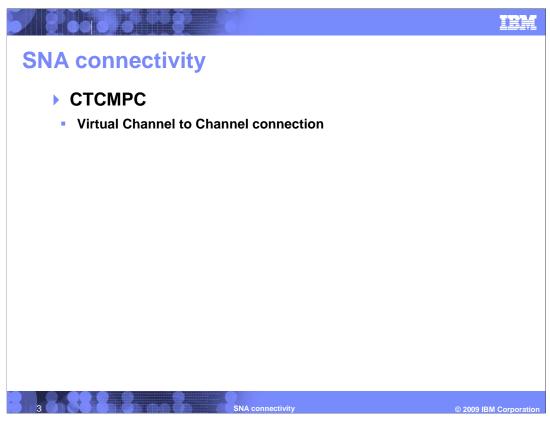


Downstream DLUR

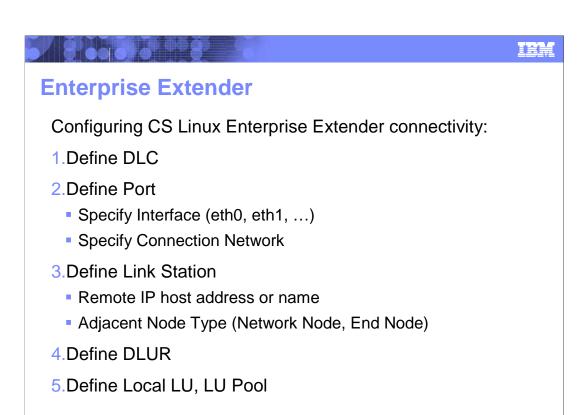
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Communications Server Linux on System z Connectivity
CS Linux provides Enterprise Extender (HPR/IP) connectivity
LLC-2 LAN (SNA over LAN)

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



CTCMPC - Channel to Channel Multi-Path Channel (APPN over Channel)



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 Linux on System z LAN LLC2 connectivity:

- 1.Define DLC
- 2.Define Port
 - OSA Ethernet
 - OSA Token-Ring
- 3. Define Link Station in one of three types
 - Link station to peer or Host
 - LAN Downstream Gateway
 - LAN Downstream DLUR (Passthrough DLUR)

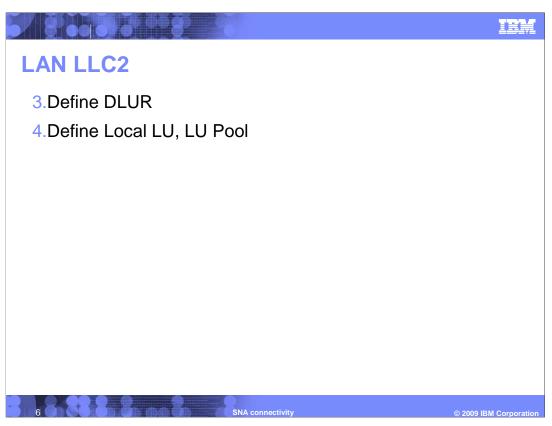
LAN LLC2 definitions provide the ability to "pass through" the PU visibility to the Host

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.

The Host can see the defined PUs downstream of the CS Linux on System z server.



The Host can see the defined PUs downstream of the CS Linux on System z server.

CTCMPC

Configuring CS Linux on System z CTCMPC:

- 1.Follow the README-CTCMPC instructions for setting up VTAM®, VM and Linux
- 2. Define DLC
- 3. Define Port
- 4. Define Link Station to APPN adjacent node
 - At least one node (Peer or local node) should be Network Node server
- 5. Define DLUR
- 6. Define Local LU, LU Pool

7 SNA connectivity © 2009 IBM Corporation

CTCMPC must be defined in the TRL definition of VTAM and Linux system configuration: The VTAM TRL will look like this:

LNXTRL VBUILD TYPE=TRL

LNXTRE TRLE LNCTL=MPC,

MAXBFRU=7.

READ=(BC1),

WRITE=(BC0),

REPLYTO=3.0

The Linux side will defined a READ port and WRITE port(BC0, BC1),

VTAM will define the matching WRITE port and READ port(BC1, BC0).

To activate ports:

On CS Linux:

snaadmin init_node

snaadmin start_port, port_name=MPCP0

And on VTAM:

V BC0-BC1, ONLINE

V NET, ID=LNXTRL, ACT

V NET, ID=LNXLCL, ACT

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