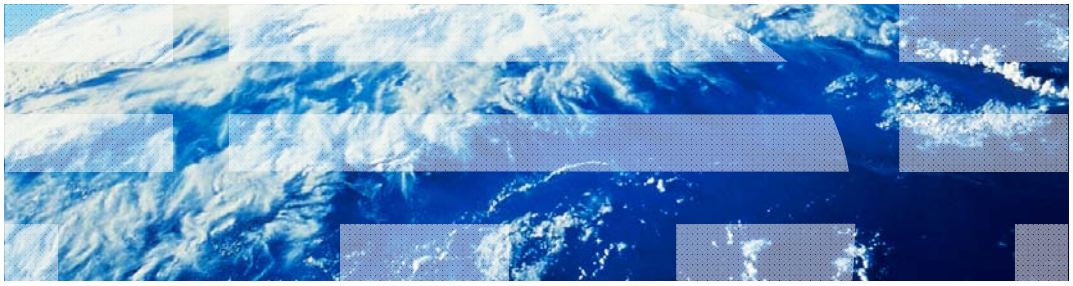
Communications Server for Data Center Deployment

Overview



This presentation provides an overview for Communications Server for AIX, Linux, Linux on System z and Windows. It also provides an overview to the newer release of these products, which is called Communications Server for Data Center Deployment.

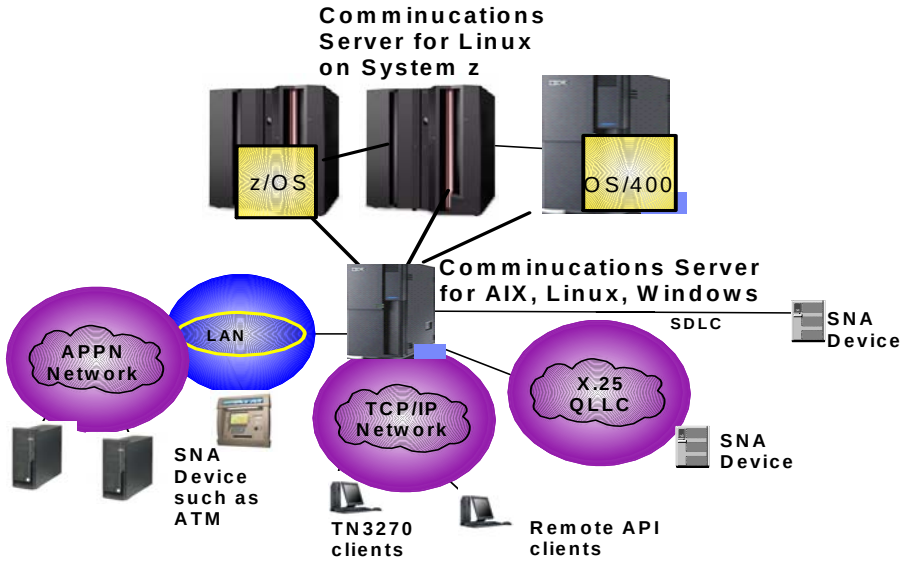
Preliminary notes

- The content of this presentation applies to all platforms of the Communications Server for Data Center Deployment. It also applies to the previous Communications Server for AIX, Linux, Linux on System z, and Windows
- To simplify this presentation, the products are referenced generically, differentiating by the platform:
  - Communications Server for Linux,
  - Communications Server for Linux on System z,
  - Communications Server for AIX, or
  - Communications Server for Windows

This presentation discusses Communications Server for Data Center Deployment as a whole. Since the product applies to multiple platforms, to avoid confusion, the products are referenced generically as Communications Server and the platform is specifed as appropriate.

Communications Server for Data Center Deployment family

Provides connectivity for distributed platforms to data center hosts



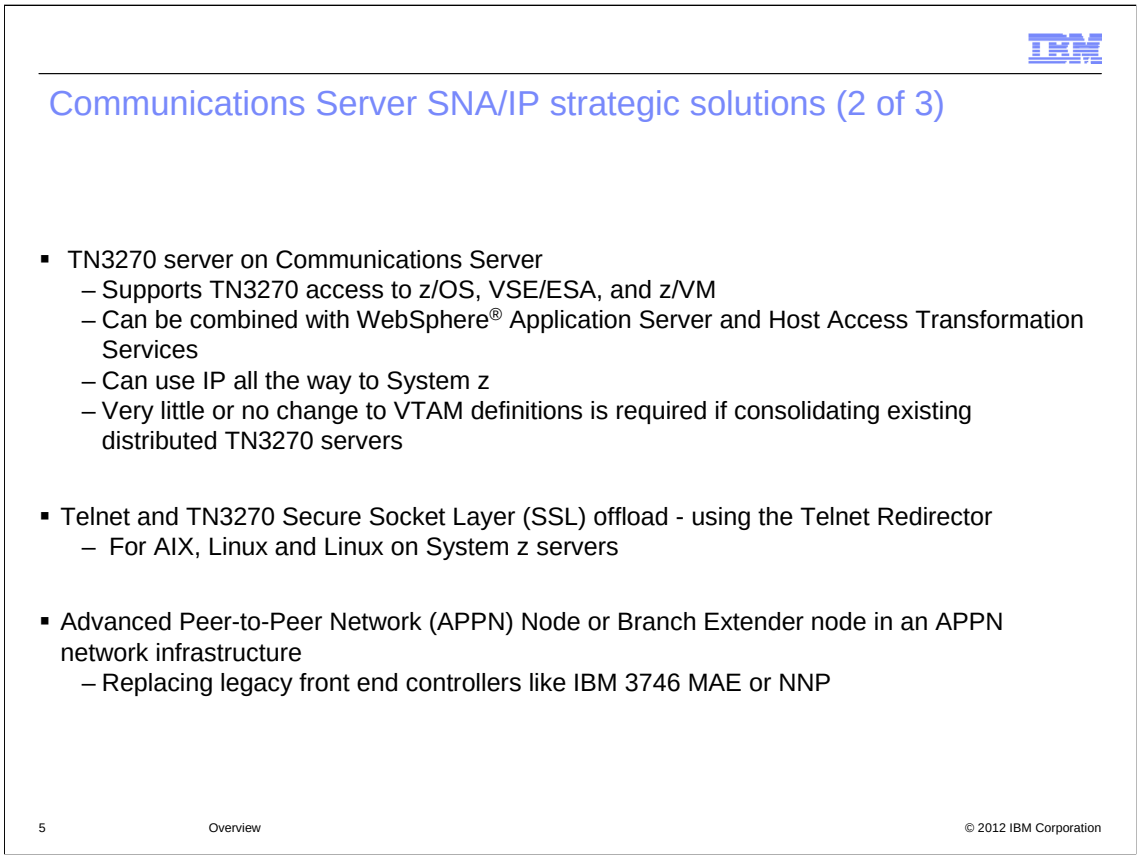
The Communications Server for Data Center Deployment family supports AIX and Linux platforms for SNA connectivity.

Communications Server SNA/IP strategic solutions (1 of 3)

- Enterprise Extender (EE) same-NETID gateway functions
  - Using APPN/ISR routing to/from VTAM® and EE downstream
  - EE gateway to z/OS®, VSE/ESA, or z/VM® VTAM
- Channel-to-Channel Multi-Path Channel (CTCPMC)
  - On Linux for System z, can be EE front end for z/VSE® and VM/VTAM
- WAN connectivity for Synchronous Data Link Control (SDLC) and X.25 Qualified Logical Link Control (QLLC) connections
  - AIX and Intel platform servers
  - Supports general SDLC and X.25 Data Link Controls for OEM adapters

The Communications Server for Data Center Deployment family of products supports SNA/IP strategic solutions for SNA connectivity. One solution is Enterprise Extender same-NETID gateway functions, using APPN/ISR routing to and from VTAM, and EE gateway to z/OS, VS/ESA, or Z/VM VTAM. A second solution is channel-to-channel multi-path channel, which—on Linux for System z—can act as the EE front end for z/VSE and VM/VTAM.

A third solution is wide area network connectivity for Synchronous Data Link Control and x.25 Qualified Logical Link Control connections on the AIX and Intel platform servers. Communications Server also supports general Synchronous Data Link Control and x.25 Data Link Controls for OEM adaptors.



The TN3270 Server on Communications supports access to z/OS, VSE/ESA and Z/VM. It can be combined with the WebSphere Application Server and Host Access Transformation Services, and can use IP across the network to System z. If you consolidate existing distributed TN3270 servers to the Communications Server TN3270 server, very little or no change is required in the existing VTAM definitions.

On AIX, Linux and Linux on System z, the Telnet Redirector provides SSL termination for a branch or data center platform.

Communications Server provides Advanced Peer-to-Peer Network Node and Branch Node support for most advanced peer-to-peer network distributed connectivity needs, and consolidates SNA resources for more cost efficient management in the data center.

Communications Server SNA/IP strategic solutions (3 of 3)

- SNA gateway for consolidation of multiple downstream SNA Physical Units (PUs)
- SNA application platform for Web-based access to SNA applications
- Remote API services for secure remote SNA application access
  - Without having SNA protocol stacks on distributed AIX, Windows and Linux (xSeries®, System p® and System z) nodes
  - Connecting to domain of AIX, Linux or Linux on System z servers
- SNA API client for application access without having SNA protocol stack on Windows platform
  - Connecting to Communications Server for Windows server

SNA Gateway allows the consolidation of multiple downstream physical units, and supports web-based applications with Java APIs for Common Programming Interface for Communications applications. A thin API stack is provided to allow Remote API clients to connect to a domain of servers for load balancing, redundancy and failover support. This Remote API client only requires 2-3 parameters and has a very small foot print compared to full stack SNA implementation. These strategic solutions provide consolidation of the SNA resources nearer to the mainframe in the data center to reduce the total cost of ownership. The SNA API client, shipped with Windows Server, provides a Windows remote SNA client, similar to the Remote API client. This is for a branch environment that has mostly Windows platform devices.

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