

# Distributed Communications Server

## *Overview*

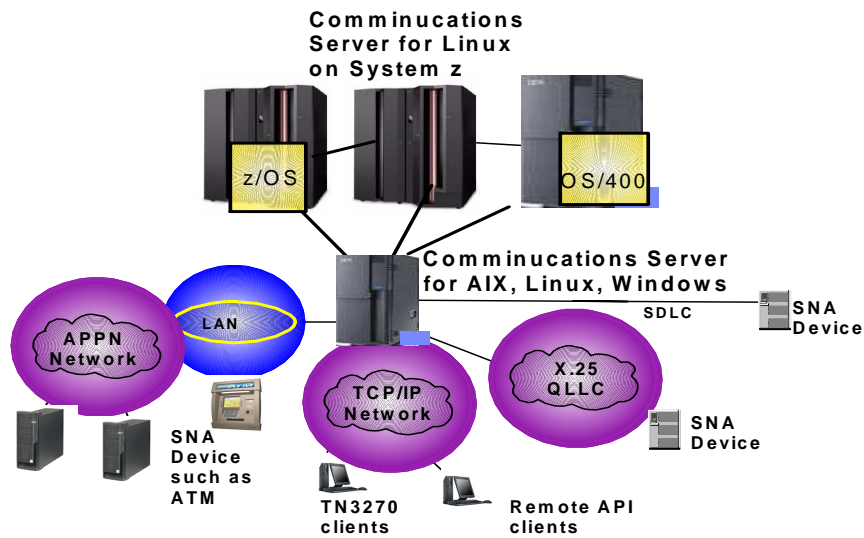
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The Distributed Communications Server products provide a variety of functions and services for multiple networking platforms.

# Distributed Communications Server family

Providing connectivity for distributed platforms to data center hosts



Distributed Communications Server Family supports AIX®, Linux® (i686, x86\_64, ppc64, s390x) and Windows® platforms for SNA connectivity.

## Overview

Communications Server for AIX, Linux, Linux on System z® and Windows provides SNA/IP strategic solutions

- ▶ Enterprise Extender 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

The distributed Communications Server family of products support SNA/IP strategic features for SNA connectivity:

## Overview

- ▶ 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 SDLC and X.25 QLLC connections
  - AIX and Intel® platform servers
  - Supports general SDLC and X.25 DLCs for OEM adapters

Enterprise Extender, CTCMPC (Linux on System z), SDLC and X.25 QLLC (AIX and Intel platforms)

## Overview

- ▶ TN3270 server on distributed Communications Server
  - Supports TN3270 access to z/OS, VSE/ESA, and z/VM
  - Can be combined with WebSphere® Application Server and Host Access Transformation Services
  - IP all the way to System z
  - No or minimal change to VTAM definitions if consolidating existing distributed TN3270 servers
  
- ▶ Telnet and TN3270 SSL offload - using the Telnet Redirector
  - For AIX, Linux and Linux on System z servers

Supports TN3270 server to upstream z/OS, z/VSE and VM/VTAM hosts. Works with other Host Access solutions products:

Host Access Transformation Services, Host On-Demand Server, Personal Communications for Windows, any standard TN3270 client device.

Can even be configured to support some unique model types.

TN Redirector found on AIX, Linux and Linux on System Z server provides SSL termination for a branch or data center platform.

## Overview

- ▶ APPN Network Node or Branch Extender node in an APPN network infrastructure
  - Replacing legacy front end controllers like IBM 3746 MAE or NNP

APPN Network Node and Branch Node support for most APPN distributed connectivity needs.

Provides consolidation of SNA resources for more cost efficient management in the data center.

## Overview

- ▶ SNA gateway for consolidation of multiple downstream SNA 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

Supports Web-based applications with Java™ APIs for CPI-C applications

Provides a thin API stack for Remote API clients that 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. This strategic functions provides 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 the branch environment that has mostly Windows platform devices.

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