



z/OS® V1R10 Communications Server

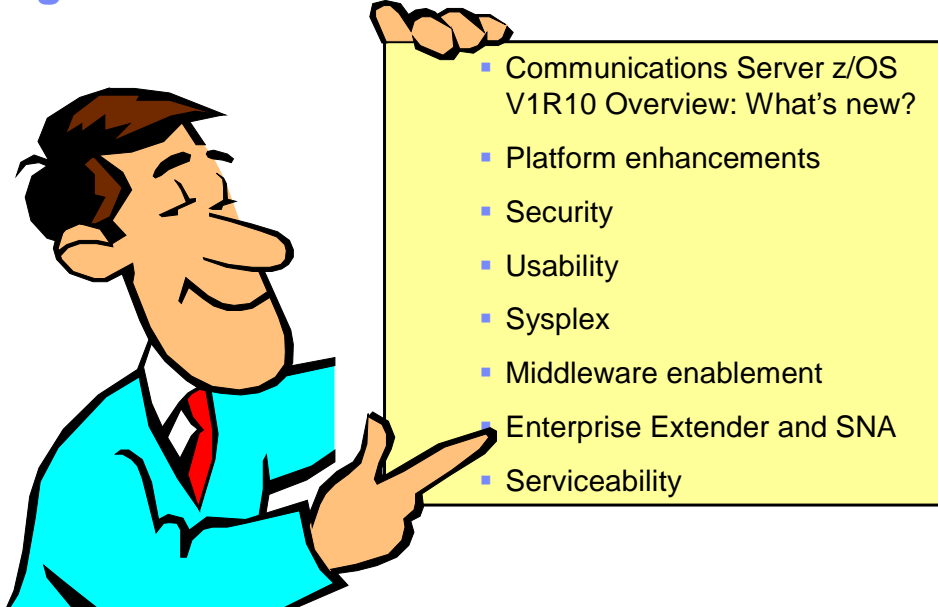
Overview

@business on demand software

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This presentation is an overview of Communications Server for z/OS V1R10.

Agenda



- Communications Server z/OS V1R10 Overview: What's new?
- Platform enhancements
- Security
- Usability
- Sysplex
- Middleware enablement
- Enterprise Extender and SNA
- Serviceability

This overview of the CS z/OS V1R10 includes the subjects of Platform Enhancements, Security, Usability, Sysplex, Middleware Enablement, Enterprise Extender and SNA, and Serviceability.

Platform enhancements

- Platform enhancements
 - ▶ TCP/IP Performance Improvements
 - ▶ IBM System z10 EC™ Hipersockets Multiple Write Facility
 - ▶ Multiple VLANs per OSA per stack per IP protocol version
 - ▶ INTERFACE statement support for IPv4 QDIO interfaces
 - ▶ Resolver support for EDNS0

The Platform Enhancements for CS z/OS V1R10 include TCP/IP Performance Improvements, IBM System z10 EC Hipersockets Multiple Write Facility, Multiple VLANs per Open Systems Adapter (OSA) per stack per IP protocol version, INTERFACE statement support for IPv4 Queued Direct I/O (QDIO) interfaces, and Resolver support for Extension Mechanisms for DNS (EDNS0).

Security enhancements (1 of 2)

- Security
 - ▶ DataPower® integration with NSS SAF access service
 - ▶ Defensive filtering
 - ▶ IPSec RFC currency
 - ▶ Enhanced port access control
 - ▶ Enhanced rpcbind application registration control

Security enhancements include the integration of DataPower with Network Security Services (NSS) SAF access service, defensive filtering, IPSec RFC currency, enhanced port access control, and enhanced rpcbind application registration control.

Security Enhancements (2 of 2)

- Security
 - ▶ FTP enhancements (security)
 - ▶ TLS/SSL enablement for Load Balancing Advisor
 - ▶ Remove support of traffic regulation policy in Policy Agent
 - ▶ Autolog support for AT-TLS dependent applications
 - ▶ Security options for Centralized Policy Server

Additional security enhancements include FTP enhancements, TLS/SSL enablement for Load Balancing Advisor, removal of support of traffic regulation policy in Policy Agent, Autolog support for AT-TLS dependent applications, and security options for Centralized Policy Server. AT-TLS is an acronym for Application Transparent Transport Layer Security (TLS) protocol.

Usability enhancements

- Usability
 - ▶ Configuration Assistant: Import of policy configuration data
 - ▶ Configuration Assistant: IP address groups

Usability enhancements include Configuration Assistant improvements to import policy configuration data and define IP address groups.

Sysplex enhancements

- Sysplex
 - ▶ TN3270E Telnet server LU name coordination in a sysplex
 - ▶ Subplex support for Load Balancing Advisor

Sysplex improvements include TN3270E Telnet server Logical Unit (LU) name coordination in a sysplex and subplex support for Load Balancing Advisor.

Middleware enablement

- Middleware enablement
 - ▶ Network Management Interface enhancements
 - ▶ FTP Enhancements: connection data
 - ▶ FTP client API for Java™
 - ▶ SNMP enhancements
 - ▶ Socket API Timeout Support

Middleware enablement improvements include Network Management Interface, FTP connection data, FTP client API for Java, SNMP and Socket API timeout support enhancements.

SNA/EE enhancements

- SNA/EE
 - ▶ Path MTU discovery for Enterprise Extender
 - ▶ RTP pipe session limit control
 - ▶ Display RTP enhancements
 - ▶ Start option for CSDUMP triggers
 - ▶ Stalled HPR pipe termination
 - ▶ TGN parameter for EE model PUs
 - ▶ Extended Border Node searching enhancement
 - ▶ MAXLOCAT Enhancement

The SNA and Enterprise Extender improvements include Path MTU discovery for Enterprise Extender, RTP pipe session limit control, RTP display, start option for CSDUMP triggers, stalled High performance routing (HPR) pipe termination, Transmission Group Number (TGN) parameter for EE model Physical Units (PUs), Extended Border Node searching and MAXLOCAT definition enhancements.

Serviceability enhancements

- Serviceability items
 - ▶ Health Checker enhancements
 - ▶ Netstat enhancements
 - ▶ FTP enhancements (data set contention)
 - ▶ Configuration and reporting improvements
 - ▶ TCP/IP packet trace and IPCS enhancements

Serviceability items include Health Checker, Netstat, FTP data set contention, Configuration, TCP/IP packet trace and Interactive Problem Control System (IPCS) enhancements.

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