PRODUCT SHEET
CA TCPaccess Communications Server for z/OS

CA TCPaccess™ Communications Server for z/OS r6.0

CA TCPaccess™ Communications Server for z/OS (CA TCPaccess CS for z/OS) provides fast and efficient mainframe access for all types of TCP/IP devices and Internet protocols.

Overview

Running TCP/IP on the z/OS mainframe has become more critical than ever, as TCP/IP has become the de facto standard protocol for network interoperability. TCP/IP is now integrated with all major desktop and server operating systems. The more essential TCP/IP becomes, the more businesses need CA TCPaccess CS for z/OS, the fastest and most efficient TCP/IP implementation available.

Business value

CA TCPaccess CS for z/OS supports high performance IP connectivity to your mainframe. If top performance and increased user and application productivity are primary objectives for your organization, then CA TCPaccess CS for z/OS is the choice for you.

Features

Mainframe 2.0

CA TCPaccess CS for z/OS has adopted key Mainframe 2.0 features that are designed to simplify your use of CA TCPaccess CS for z/OS and enable your staff to install, configure and maintain it more effectively and quickly.

- **Electronic Software Delivery (ESD):** The Mainframe 2.0 ESD enables you to install CA TCPaccess CS for z/OS using standard utilities—without requiring you to reconstitute a tape cartridge. This new procedure helps speed installation and facilitates a consistent install process across mainframe products from CA Technologies, shortening the learning curve for mainframe staff.

Key capabilities

- **Fast data transfer:** Whether you need fast replication of data for applications, rapid bulk download to data warehouses or efficient data upload from distributed systems during brief collection windows, high-speed file transfer to and from the mainframe is essential to productivity.

  CA TCPaccess CS for z/OS offers the fastest, most efficient FTP implementation available for file transfers to and from MVS systems. ASCII, EBCDIC, and double-byte character translation are supported, and files can be transmitted to and from MVS regardless of data structures. MVS partitioned data sets are handled as directories for interfacing with GUI-based FTP clients. SMS-managed, PDSE, multivolume, and tape data sets are supported within the MVS environment to help users manage storage resources more efficiently and reliably.

  Another product, CA TCPaccess™ FTP Server for z/OS (CA TCPaccess FTP Server), is also bundled with CA TCPaccess CS for z/OS product. CA TCPaccess FTP Server provides the same fast, efficient file transfer capability with the UNIX System Services interface. This is advantageous if you want to split your FTP server into a separate address space, or use the IBM Communications Server to interface with your FTP server.

- **High volume terminal access:** Enterprises depend on 3270-oriented applications and new ones continue to be developed. These applications are the heart of many businesses, generating revenue and profits through on-line transactions, controlling inventory and distribution, and running the company. The superior efficiency of CA TCPaccess CS for z/OS gives thousands of users access to business applications on the mainframe over a high-performance TCP/IP network. Businesses benefit from the lower costs and simplified

management of using a single network with a single protocol stack. Users gain fast response times. CA TCPaccess CS for z/OS can support over 32,000 sessions concurrently.

CA TCPaccess CS for z/OS supports tn3270 for Telnet terminal access, which allows tn3270 users on PCs and other systems to use 3270 mainframe applications. Remote TCP/IP users can log into SNA applications in line mode or full-screen mode, which supports both LU0 and LU2 protocols. Telnet interfaces to standard VTAM USS definitions, allowing 3270 users to continue to use familiar logon screens.

Another product, CA TCPaccess™ Telnet Server for z/OS, is also bundled with CA TCPaccess CS for z/OS. Besides supporting Telnet and tn3270 protocols, CA TCPaccess Telnet Server for z/OS also supports Secure Socket Layer (SSL) for secure connections. It interfaces to either the CA TCPaccess CS for z/OS or the IBM Communications Server using the UNIX System Services interface.

- **Application compatibility:** With CA TCPaccess CS for z/OS, businesses can develop new client/server applications for z/OS platforms, take advantage of third-party software and continue to run existing applications. And not only will these new and existing applications run over TCP/IP, they'll run faster and more efficiently.

  CA TCPaccess CS for z/OS provides APIs that enable application-to-application communications, permitting new distributed applications to interface with TCP/IP. It also includes run-time compatibility with IBM and ISV applications built using UNIX System Services, IUCV or HPNS socket APIs. It also features compatibility with IBM FTP, which means that scripts, applications and files containing IBM FTP syntax can be used without modification.

- **Fault Tolerant:** CA TCPaccess CS for z/OS includes “Fault Tolerant”, a unique feature, which significantly enhances system availability for business-critical production environments. User sessions are automatically and transparently rerouted if a controller, network router, or router link fails. User sessions continue without interruption or delay.

- **QDIO support:** CA TCPaccess CS for z/OS now supports Queued Direct Input/Output (QDIO). This is the salient feature of OSA-Express Adapters, which operate at 100 Mbps, 1Gigabit, and 10Gigabit data transfer rates per second in a communications network. QDIO supports the transfer of data to and from the host without using channel programs and with a minimum number of I/O interrupts.

  In addition, support has been provided for Hypersockets, or Internal Queued Direct Input/Ouput (iQDIO). This is especially useful for customer environments running multiple z/Linux LPARs, not only to speed up the communications between the z/Linux systems, but also the interaction with z/OS systems in the same complex.

Delivery approach

CA Services provides a portfolio of mainframe services delivered through CA Technologies internal staff and a network of established partners chosen to help you achieve a successful deployment and get the desired business results as quickly as possible. Our standard service offerings are designed to speed deployment and accelerate the learning curve for your staff. CA Technologies field-proven mainframe best practices and training help you lower risk, improve use/adoption and ultimately align the product configuration to your business requirements.

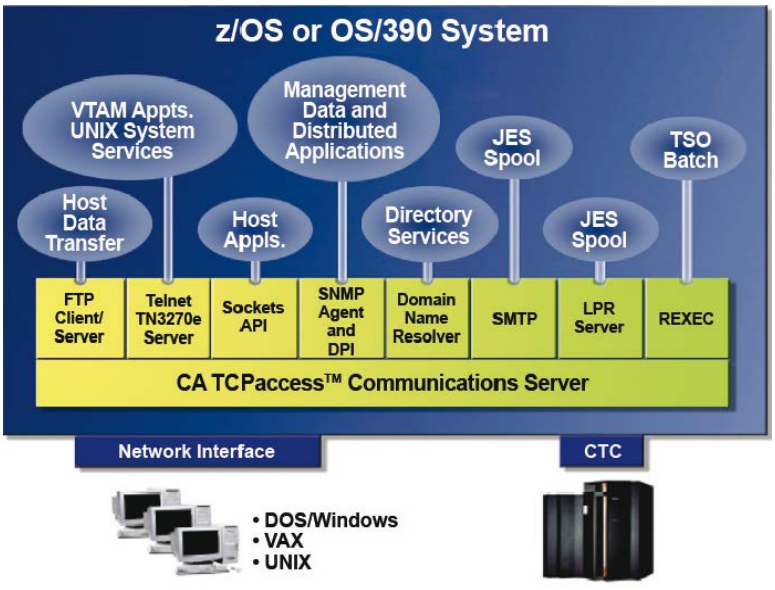
Benefits

CA TCPaccess CS for z/OS is a native mainframe TCP/IP protocol stack optimized for OS/390 and z/OS platforms. This simplifies the data path and speeds up client/server transactions. And, because the architecture for CA TCPaccess CS for z/OS is MVS based, interoperation with the z/OS mainframe is simple, direct, fast and highly efficient.

FIGURE A.

CA TCPaccess CS for z/OS—solution architecture

CA TCPaccess CS for z/OS provides high performance for mainframe environments.



The CA Technologies advantage

CA Technologies has 30 years of recognized expertise in robust, reliable, scalable, and secure enterprise-class IT management software. CA TCPaccess CS for z/OS is a key component of the Mainframe 2.0 initiative from CA Technologies to change the way the mainframe is managed forever by helping you maximize the value of our mainframe products and by providing a simplified experience and innovative solutions that deliver value quickly and flexibly.

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