

PRODUCT SHEET

CA XCOM Data Transport

CA XCOM™ Data Transport® r11.5



CA XCOM™ Data Transport® helps businesses address evolving strategic regulatory compliance issues and minimize security risks when transporting critical business data. A robust architecture, combined with innovative new features, provides IT managers with a cost-effective and flexible data transport solution designed to help movement of mission-critical data—quickly, reliably, and most important, securely.

Overview

CA XCOM Data Transport is designed to provide high performance, reliable data transfer across heterogeneous platform environments. It offers data encryption for enhanced data protection and privacy over public networks, and its sophisticated compression and record packing techniques help to extend network resources and improve bandwidth. Automatic checkpoint, restart, and recovery capabilities safe guard data in case of transmission failure. Extensive audit logs, problem determination capabilities and application level acknowledgements between systems help provide for data integrity.

Business value

Designed to safeguard data integrity and privacy, CA XCOM Data Transport helps manage high-value data assets safely from point-to-point. It leverages numerous platform technologies and architectures to provide an optimized hybrid data transportation capability. Extending beyond simple information transfers, CA XCOM Data Transport provides value-added capabilities that help organizations to improve staff flexibility and productivity. Integration with other CA Technologies products provides a comprehensive enterprise solution, which further extends automation of the data-transfer process and enhances data protection.

Transfer your most critical data with confidence

In today's complex IT environment, enterprise files and data stores continue to grow larger and larger, at the same time security and compliance regulations are becoming more and more stringent. Many companies are finding their traditional methods of file transfer, such as FTP or home-grown solutions, are not keeping up with these increasing operational and compliance requirements. Enterprise organizations require a comprehensive, secure and proven solution that they can rely on to securely execute critical file transfers to meet their growing business demands.

Most enterprise IT environments now consist of multiple diverse platforms—hardware, operating systems, or both. Sharing production data amongst these disparate types of systems requires coordination and planning, as well as consistency. CA XCOM Data Transport is designed to safely and securely move data across a wide variety of heterogeneous platforms, such as z/OS, Linux on System z, Linux x86, Solaris, AIX, HP-UX, IBM System i (formerly AS/400® or i5/OS), HP Integrity and Integrity NonStop (formerly Tandem), Stratus, Windows platforms and OpenVMS.

What's new in CA XCOM Data Transport r11.5

CA XCOM Data Transport r11.5 includes many enhancements that will help support more stringent corporate security guidelines, enable you to more easily track and audit operations, identify problems and selectively notify users of file transfer status.

Mainframe 2.0

CA XCOM Data Transport has adopted key Mainframe 2.0 features that are designed to simplify your use and administration of CA XCOM Data Transport and enable your staff to maintain it more effectively and quickly.

- **CA Mainframe Software Manager™:** CA Mainframe Software Manager (CA MSM) is designed to automate CA XCOM Data Transport acquisition, installation, deployment, configuration and maintenance and remove SMP/E complexities. CA MSM helps save time and resources when compared with the manual steps used to perform these tasks.

- The **Software Acquisition Service** is designed to help you to more easily move product installation packages and maintenance from CA Support Online directly to your mainframe environment and prepare them for installation.
- The **Software Installation Service** standardizes CA XCOM Data Transport installation, which includes a new, streamlined Electronic Software Delivery (ESD) method that allows CA XCOM Data Transport to be installed using standard utilities. This service also provides standardized SMP/E product installation and maintenance via APARs and PTFs, and simplifies SMP/E processing through an intuitive graphical user interface and an intelligent Installation Wizard
- The **Software Deployment Service** enables you to more easily deploy CA XCOM Data Transport in your mainframe environment.
- The **Software Configuration Service** enables you to more effectively configure CA XCOM Data Transport if it has been acquired, installed, maintained and deployed using CA MSM.
- **Installation Verification Program (IVP) and Execution Verification Program (EVP):** As part of qualification for inclusion in the set of mainframe products from CA Technologies released every May, CA XCOM Data Transport has passed stringent tests performed through the IVP and EVP to find and resolve interoperability problems prior to release. These programs are an extension of our ongoing interoperability certification initiative launched in May 2009.
- **Best Practices guide:** This guide provides information on CA XCOM Data Transport installation, initial configuration and deployment to help shorten the learning curve for staff who are responsible for the installation and management of this product.
- **Health Checker:** The Mainframe 2.0 Health Checker provides CA XCOM Data Transport Health Checks that execute under the IBM Health Checker for z/OS.

CA XCOM™ Data Transport® Gateway

This new “agentless” product option is designed to increase data transfer flexibility by enabling transfers with external customers, internally-developed solutions and any other third-party tools that utilize FTP(s), HTTP(s) or CA XCOM Data Transport. The CA XCOM Data Transport Gateway will act as a server supporting these client connections from non-CA XCOM Data Transport user devices for file transfers activities.

Connection to the CA XCOM Data Transport Gateway can occur through a Web browser for HTTP(s) protocols or an FTP client for FTP protocols. Upon successful connection the client users are required to pass through an extensive authentication process. Based on a successful authentication the transfer process can proceed.

- **New web-based interface** provides a fast and efficient method for taking action on desired files and associated policies.
- **“Policy-driven” approach** will empower you to customize security, access authority and data retention for additional control over specific data transfers.
- **Encryption at Rest** helps provide that as data is residing on the “Gateway” awaiting retrieval or deletion, it can be encrypted for added security. This is a user option that can be defined within a chosen policy.
- **Notification Process** CA XCOM Data Transport Gateway will automatically notify the appropriate parties that a file has been received and is available for retrieval. Notifications can also alert sender of potential problems during data transmission.

CA XCOM Data Transport Management Center

A new graphical user interface provides the flexibility to schedule data transfers from a central location. This centralized web-based interface, consistent across all supported platforms, is designed to streamline tasks, simplify execution of file transfers and provide enhanced auditing capabilities. The new CA XCOM Data Transport Management Center enables you to view and retrieve common history records for increased support of audit and analysis requirements.

Additional z/OS enhancements

- **z/OS history record:** Additional data elements provide consistency across platforms, adding the ability to produce reports for enhanced analysis, troubleshooting, and auditing. Canned CA Easytrieve® Report Generator reports, enabled through a Common Services component, are provided to more easily examine the information relevant to scheduled transfer activities. ISPF interface enhancements allow specific criteria—for example, date and time—to be utilized when retrieving history records. Using this method, precision queries can be created to display a relevant result set for more productive and precise data analysis.

- **Enhanced trusted transfers:** Exploiting the latest innovations in security and password protection capabilities, this enhancement provides an important balance between flexibility and maximum data privacy. With CA XCOM Data Transport, the z/OS platform can receive Trusted Transfers from other platforms. This allows a transfer to occur without inclusion of the password. To better protect the anonymity of a user, an Alias can be substituted for the UserID.
- **Performance improvements for z/OS transfers:** With a concentrated focus on speed of delivery, performance gains can be achieved through management of unused DASD and high-volume execution of transfers. As demand for data transfers increase, and the window of delivery decreases, these performance gains support existing and future time frame limitations.
- **Symbolic variables in z/OS configuration files:** Data set naming standards and practices can be enhanced through predefined symbolic variables specified within the SYSIN01 parameters. Two of these variables, Date and Time, can automatically generate files that have unique and meaningful names while reducing the potential for duplication.
- **Group lists/fan out for z/OS:** Nesting list structure methodology enables you to more easily send files to a variable number of destinations. Lists within lists can save time and effort, and can be reused.
- **Enhanced notification level for z/OS:** Provides notification selection options of Always, Warnings, or Errors, coinciding with transfer completion. The selected choice can assist in reducing the number of notifications, providing greater visibility of critical transfer events.
- **HFS/ZFS file system support:** Expanding file system coverage to include HFS and ZFS. These transfers can occur as part of an individual or Dirtree (an entire directory or multiple directories) event.

Other key features

- **Optimized data transfer performance**
 - **Data compression:** enhances throughput using multiple industry-recognized algorithms, including Run-Length-Encoding and Text Compaction, as well as numerous levels and versions of Lempel-Ziv Compression.

- **Record packing:** Specifies that the records are to be packed into fixed-size data transfer blocks. This reduces network traffic and creates a faster more efficient file transfer.
- **Block level I/O:** is performed, whenever possible, for improved read/write I/O
- **Enhanced security and compliance**
 - **Safety and security** of user data are enhanced by CA XCOM Data Transport using platform-specific security and authentication interface functions.
 - **Secure File Transfer** CA XCOM Data Transport supports the encryption of data, reports and jobs—plus the user ID, password and file names—well beyond what sFTP (SSH File Transfer Protocol) provides.
- **Data integrity and reliability**
 - **Checkpoint/restart support** is included in all components of CA XCOM Data Transport. If a transfer is stopped or interrupted by an error that is not permanent prior to completion, the transfer will automatically resume, continuing from the last checkpoint that was taken.
 - **Automatic error recovery** allows CA XCOM Data Transport to automatically restart a transfer that has failed due to a temporary condition. Limits can be set by user parameters as to the number and frequency of attempts to restart these transfers.
 - **Transmission verification and audit trails** provide comprehensive information as to which data was transferred to which system(s) and by whom. Transmission verification helps confirm delivery of the data on the partner system.
 - **Transfer notification** is an integrated part of CA XCOM Data Transport which allows any user to be notified of the completion and the final status of a transfer.
 - **Transfer scheduling** support allows for transfers to be scheduled to run at a future date and/or time as specified by the user.
- **Code tables** allow for custom characters to be represented, so when a file transfer occurs the character can be properly converted and preserved.
 - **ASCII/EBCDIC translation** can be performed as part of the transfer of data. Data can also be transferred as “BINARY,” which indicates that no such translation is to be performed.

- **Flexibility**

- **User control** of transfers is implemented in CA XCOM Data Transport using standard interface methods for each platform. These include: CONSOLE commands, COMMAND line requests, Graphical User Interface (GUI) requests, or Online Interfaces (ISPF or CICS). This facility provides a means to display the status of active or completed transfers as well as the ability to suspend, resume, or terminate transfers.
- **Store-and-forward support** is available when transferring data through a common z/OS, z/VM, or z/VSE hub. This allows for the transfer of data when the target system is not directly connected to the originating system. CA XCOM Data Transport will act as a hub and store the transfer until it can be routed to the intended receiving system.
- **Selectable truncation** allows for data records to be truncated to a specified length as they are processed on the receiving partner of a transfer.
- **Numerous user exit points** allow CA XCOM Data transport to be customized to perform pre-transfer, post-transfer, and mid-transfer processing. The specific exit points implemented are different for each platform on which CA XCOM Data Transport runs.
- **Wildcard specification support** allows for the specification of generic files or PDS member names which are to be transferred. This provides ease and flexibility in coding the selective transfer of files or PDS members.
- **TCP/IP protocol support** is an integrated part of CA XCOM Data Transport on the Mainframe, UNIX, and Windows platforms.
Support is also available for the SNA LU6.2 Protocol, PU2.1, and APPN/LEN.
- **Product accessibility** is specific to each platform, and incorporates standard interfaces for each, whether they be COMMAND line, Graphical User Interface (GUI), Online interface (ISPF and CICS), or batch JCL.
An API (Application Programming Interface) is available for the user to programmatically access CA XCOM Data Transport for data transfer execution.

- **Multi-platform support:** CA XCOM Data Transport is designed to move this data across a wide variety of heterogeneous platforms—z/OS, Linux on System z, Linux x86, Solaris, AIX, HP-UX, IBM System i (formerly AS/400® or i5/OS), HP Integrity and

Integrity NonStop (formerly Tandem), Stratus, Windows platforms and OpenVMS. Data is moved and converted to formats native to the receiving platform, or to a user-customizable format. Integrated functionality is in place to utilize the security interfaces which are native to each platform. A Secure Sockets interface is supported on many platforms, in order to help maintain data privacy. Post-processing interfaces are also available to assist with the processing and management of the data being moved.

- **Product integration:** Integration with other products from CA Technologies provides a comprehensive enterprise solution, which further extends automation of the data-transfer process and enhances data protection.
 - CA Endeavor® Change Manager and CA Software Change Manager support is integrated into the product, which allows CA XCOM Data Transport to provide the transport service that is used by the “Package Ship” function of these products.
 - CA NetMaster® File Transfer Manager support is natively available and may be activated by selecting a configuration option. When this feature has been enabled, information concerning the current status of each transfer is automatically reported to the CA NetMaster File Transfer Manager throughout the life of a transfer. This allows for the centralized monitoring and control of CA XCOM Data Transport activity.

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

Reliable, cost-effective enterprise data transfer

CA XCOM Data Transport helps businesses address evolving strategic regulatory compliance issues and minimize security risks when transporting critical business data. A robust architecture, combined with innovative new features, provides IT managers with a cost-effective and flexible data transport solution designed to help movement of mission-critical data—quickly, reliably, and most important, securely. CA XCOM Data Transport supports data transport across heterogeneous network environments and helps provide many benefits to your business:

- **Reliable** delivery and **automated** transmission recovery help maintain data integrity throughout the processing environment.
- Data encryption enhances **protection** and **privacy** of data transferred over public networks.
- **Customizable** post-transfer processing allows seamless integration into business processes.

The CA Technologies advantage

CA Technologies has 30 years of recognized expertise in robust, reliable, scalable, and secure enterprise-class IT management software. CA XCOM Data Transport 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.