Computer Associates®

Unicenter® CA-XCOM® Data Transport® r11

Unicenter® CA-XCOM® Data Transport® offers the high-performance data transport capabilities required for business-critical applications in multiplatform distributed environments. It provides a single solution for sending and receiving files, as well as sending reports and jobs, on a wide range of platforms.

Top Three Key Features

- Secured Data Transport
- Unattended Operations
- Customized Control to Business Needs

What's New

- Data Encryption
- Enhanced Notification
- Enhanced ASCII/EBCDIC Support
- Performance Improvements

Supporting Environments

- MVS, z/OS, z/VM, z/VSE
- Linux
- Solaris
- AIX
- HP-UX
- AS/400
- Windows platforms

Effective Information Delivery

Today's businesses depend on enterprise-wide networks that are continuously changing and expanding. To keep pace with the ever-evolving business world, organizations must move mission-critical data to remote locations quickly and reliably. IT managers need a cost-effective data transport solution that can adapt to heterogeneous network environments.

In addition, the requirement to move important data beyond the organization — to business partners, suppliers and customers — demands a wide acceptance and installation base for any chosen data transport solution. The solution must therefore support a wide array of network platforms, in addition to the common networking protocols.

Powerful Data Transport

To meet the growing needs of IT departments, Unicenter CA-XCOM Data Transport from Computer Associates International, Inc. (CA) delivers the data transport capabilities needed in a multiplatform environment. Unicenter CA-XCOM Data Transport goes beyond simple information transfer, providing value-added capabilities unmatched by other file transfer products.

Unicenter CA-XCOM Data Transport has the ability to send and receive files, submit jobs to remote partners and send reports to remote systems.

Unicenter CA-XCOM Data Transport improves staff flexibility and productivity by enabling unattended, secure data transfers while optimizing the use of network resources through

proven methods such as data compression and record packing, effectively increasing available network bandwidth.

Distinctive Features and Functionalities

Enterprise-Wide Coverage. To be effective, any enterprise-wide data transport solution must support a wide range of disparate communication methods, hardware platforms and operating systems.

- **Multiplatform Support.** Unicenter CA-XCOM Data Transport supports all major hardware platforms and operating systems.

- **TCP/IP and SNA Protocol Support.** Unicenter CA-XCOM Data Transport supports the TCP/IP and SNA networking protocols.

Transfer Efficiency. Effective data transport involves more than just moving data from source to destination; it must be done in an efficient and timely manner. Unicenter CA-XCOM Data Transport offers greater transfer efficiency in several ways.

- **Data Compression.** This solution uses a number of different compression algorithms to increase data throughput, including run length encoding and additional byte comparison schemes.

- **Record Packing.** Unicenter CA-XCOM Data Transport packs multiple records to transmit data more effectively and increase transmission speeds.

- **ASCII/EBCDIC Translation.** Data can be transferred as binary or text,

initiating or turning off the automatic translation of characters to the local system standard as necessary.

- **Truncation.** Can truncate excess characters in the source file if the record exceeds the maximum record length or logical record length.

Unattended Operations. Providing complete, unattended, reliable transfers at prescheduled times increases flexibility while optimizing network usage, staff productivity and business operations.

- **Automated Scheduling.** With Unicenter CA-XCOM Data Transport, you can schedule transfers to execute at a requested date and time.

- **Checkpoint Restart.** If a transfer is stopped or interrupted by a retryable error prior to completion, it is automatically restarted, continuing from the last checkpoint.

- **Store and Forward.** Users communicating through a common z/OS, z/VM or z/VSE hub can perform data transfers even if the remote (target) machine is not communicating at the time the transfer is initiated.

- **Remote Spooling.** Allows you to take reports off the system spool or queue and forward them to another Unicenter CA-XCOM Data Transport platform without operator action.

- **Complete Logging.** All transfer activity is logged so that you can easily determine what activity has occurred and the status of each request.

User Interfaces. Convenient access to transfer facilities is essential to successful operations.

- **Command Line Interface.** Unicenter CA-XCOM Data Transport transfers can also be initiated with a batch file on your computer. For example, you can invoke a transfer through a JCL batch job on z/OS or, for many other platforms, via a command entered from the operating system prompt/command line or placed in a batch file.

- **Programming Interface.** Any programming language that supports callable subroutines can invoke Unicenter CA-XCOM Data Transport. On many systems, exits are also provided that allow you to control or be informed about certain transfer events involving security and completed transfers.

Menu Interface. Unicenter CA-XCOM Data Transport uses a simple, fill-in-the-blanks approach to transfer files. Menus adopt the appropriate look and feel for the system on which they're running; many platforms support a graphical user interface (See Figure 1).

Security. A highly secure file transfer environment is essential for the integrity of the data transport environment.

- **Password Encryption.** Passwords are not visible in clear text, helping to ensure that communication line tapping cannot breach security.

- **Parameter Encryption.** A utility that allows for the encryption of Userid and Password parameter values in existing configuration files.

- **Trusted Security.** Unicenter CA-XCOM Data Transport can send and receive trusted transfers from other Unicenter CA-XCOM platforms that support trusted security.

- **System Authorization Facility (SAF)-Based Security.** Unicenter CA-XCOM Data Transport provides SAF-based security that works with CA's eTrust™ CA-ACF2® Security, eTrust™ CA-Top Secret® Security and IBM's RACF security products.

- **Stand-Alone Security.** If local security is not already provided, Unicenter CA-XCOM Data Transport provides its own stand-alone security administration functions.

- **Windows Domain Name Support**. Allow Unicenter CA-XCOM Data Transport for Windows platforms to include a domain name as part of the Logon User process.

Control and Customization. Unicenter CA-XCOM Data Transport provides flexibility in how you implement and control your transfer environment.

- **Operator Control.** You can view the status of pending, active and completed transfers, as well as suspend, resume or terminate transfers (See Figure 2).

- **User Exits.** You can modify the characteristics and capabilities of Unicenter CA-XCOM Data Transport by inserting your own routines in a variety of supplied exit points.

- **Transfer Notification.** You can be notified when a data transfer has completed.

- **Job Scheduling Interface.** Supports recurring transfer scheduling via Unicenter CA-7 Job Scheduling exit interface.
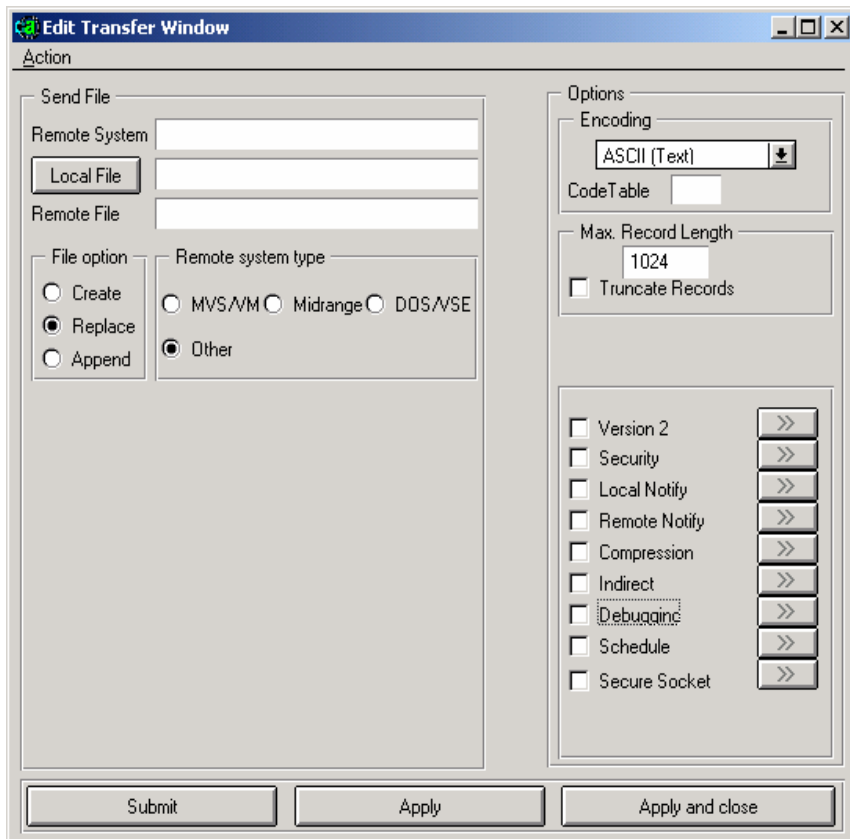

Figure 1:
The Edit Transfer Window on a Windows NT workstation

- **Platform-Specific Capabilities.** In addition to supporting a wide range of platforms, Unicenter CA-XCOM Data Transport takes advantage of platform-specific capabilities.

- **XCOMPLEX.** Allows you to link multiple Unicenter CA-XCOM Data Transport for z/OS servers providing the scalability required to support a large and complex transfer environment. An XCOMPLEX administration server manages the group, distributes outgoing transfers, balancing the overall workload using a scheduling algorithm.

- **Library or Wildcard Transfers.** Multiple z/OS PDS members can be written as separate files when transferring to partners on UNIX and Windows platforms. In addition this allows a PC or UNIX directory to be uploaded as members of a PDS.

- **CICS Interface for z/OS and z/VSE.** Unicenter CA-XCOM Data Transport on the z/OS and z/VSE platforms supports a CICS menu interface.

- **Unicenter® NetMaster® File Transfer Management Integration.** This supports the proactive monitoring of Unicenter CA-XCOM Data Transport transfers sent or received on a z/OS system to a user-defined service window.
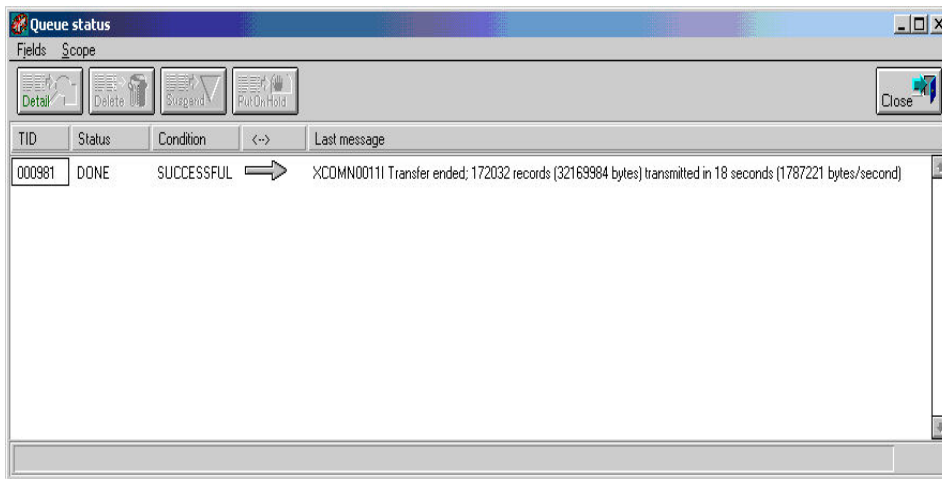
Figure 2.
The Data Transport Queue Status.

Supported Environments

- MVS, z/OS, z/VM, z/VSE
- Linux
- Solaris
- AIX
- HP-UX
- AS/400
- Tandem
- Stratus
- Netware
- Windows

What's New in r11

Data Encryption. Through Secured Socket Layer (SSL) support, Unicenter CA-XCOM provides for a more secure file transfer environment, protecting the data from being intercepted and interpreted between source and target.

The following SSL features are utilized:

- Cipher: DES, 3DES, RC2, RC4 and RC5
- Exchange key algorithm: RSA and DH
- Hash algorithm: MD2, MD5, SHA and SHA1
- Digital Signatures: RSA and DSA

Additionally, assists in meeting regulatory compliance. This support is available on all supported z/OS, UNIX, Linux and Windows platforms.

Enhanced Notification. A user can be selective as to when they are notified about a file transfer completing with the introduction of new notification levels of ALWAYS, WARNING and ERROR. This can assist in reducing the number of notifications, providing greater visibility of critical transfer events. This option is available on all supported UNIX, Linux and Windows platforms.

Enhanced ASCII/EBCDIC Support. New transfer parameters allow for the specification of user-defined translation tables per transfer. This provides additional flexibility when translating data between formats. This option is available on all supported UNIX, Linux and Windows platforms.

SMS Support. Unicenter CA-XCOM Data Transport for z/OS accepts and uses SMS parameters when creating datasets related to a file transfer. Allocating z/OS datasets which use SMS organization as a standard, such as PDSE Program and Source Libraries, is now supported. SMS support assists in ensuring that transferred data utilizes the appropriate space.

Performance Improvements. Unicenter CA-XCOM Data Transport for z/OS performance improvements include the use of multiple tasks for compression.

5 Digit Port Assignments. The PORT parameter will now accept a 5 digit port address.

Scheduling over TCP/IP. Unicenter CA-XCOM Data Transport for z/OS users can now schedule transfers over TCP/IP.

For more information,
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