



Key Features at a Glance

- Multi-platform support
- Heterogeneous Protocol Support
- Discreet Mode
- Transmission Policies
- Broadcast, Multi-cast and Fan-out
- Machine Groupings
- Automated Scheduling
- Checkpoint Restart
- Complete Logging
- Graphical Interface
- Web Interface
- Command Line Interface
- User Authentication
- Data Encryption
- Trusted Users
- Data Transfer Shares
- Operator Control
- User Exits
- Software Developer's Toolkit

What's New

- Support for Other Transport Products
- Ease of Use Enhancements
- Unicenter NSM Integration
- DHCP and Mobile Support Enhancements



Computer Associates®

Advantage™ Data Transport® r3.0

Advantage™ Data Transport® r3.0 delivers business information to enterprise-wide systems in a secure and reliable manner, providing centralized administration, network optimization and one of the broadest platform and protocol coverage in the industry.

Data Transport Challenges in a Distributed Environment

The need to transfer large volumes of business-critical information in a timely fashion throughout an organization is a common task in most businesses with distributed operations. Whether updating store sales from multiple locations, tracking intra-day sales, controlling inventory, synchronizing critical financial systems or just moving updates from one system to another, a business depends on up-to-date, accurate information to remain competitive.

To properly manage data transport, organizations need to monitor and administer the entire data transport network, as well as network performance, from a central location. This requires a solution that incorporates information with network management tools and support for protocols that maximize available bandwidth.

Assured Data Delivery

Advantage Data Transport from Computer Associates International, Inc. (CA), can reliably and securely transport all kinds of data across a wide range of platforms, protocols and data formats in a flexible manner that insulates users from knowledge of topology, protocols, hops, connections or networking. To quickly respond to business needs, this comprehensive solution provides centralized management and administration as well as automatic optimization of network usage and network traffic control.

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.

- **Multi-platform Support.** Advantage Data Transport supports all major hardware platforms and operating systems. Its coverage extends from the mainframe to the desktop, including support for Windows, AIX, HP-UX, Solaris and z/OS.
- **Heterogeneous Protocol Support.** Advantage Data Transport uses only standard protocols. It will automatically bridge heterogeneous protocols to fully connect and integrate all business data and systems. Advantage Data Transport supports TCP/IP, UDP, SNA, SPX or PPP networking protocols for either point to point or point-to-many transfers.

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. Advantage Data Transport offers greater transfer efficiency in several ways.

- **Discreet Mode.** Agents can perform transfers in discreet mode. Discreet mode is when the transfer makes use of "idle" network time. When Advantage Data Transport detects that the system CPU or network utilization is high, the amount of data transferred is progressively reduced to avoid network congestion, and the amount of data transferred is increased during low network traffic.
- **Transmission Policies.** Advantage Data Transport makes optimal use of network resources by allowing administrators to establish policies for transmission settings. These policies can control the size of each parcel of data that is sent, as well as the time to wait between parcel sends. Advantage Data Transport then optimizes transfer routes, finding the most



efficient means by which to transmit data across the network.

- **Broadcast, Multi-cast, and Fan-out.** Supports broadcast, multi-cast and fan-out mechanisms for point-to-many transfers, minimizing network traffic and machine workload. Advantage Data Transport automatically determines which of these data transfer methods to use without requiring user involvement.
- **Machine Groupings.** Allows administrators to easily create groupings of machines according to business function. These machine groupings can then be the source or destination for a transfer. The Advantage Data Transport grouping capability allows data transmissions to be organized along business lines and activated by a single action.

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

- **Automated Scheduling.** Advantage Data Transport can use intricate schedules for data transport. These schedules initiate transmissions at a specific date and time or create recurring regularly-scheduled transfers. It allows administrators to specify alternative routes for failed transfers and allows data transfers to be skipped, aborted, suspended or resumed.
- **Checkpoint Restart.** Advantage Data Transport uses checkpoint restart and session retries if a transfer fails. It periodically checks the transfer operation to ensure that the transfer is proceeding correctly and, in the event of a failure, it will restart the transfer. In the case of multiple failures, it can retry the session for a pre-defined number of attempts.
- **Complete Logging.** All transfer activity is logged so that you can easily determine what activity has occurred and the status of each request. Users and administrators can completely customize the format and content of Advantage Data Transport audit messages to be presented to the

user in the manner that is most convenient.

User Interfaces. Convenient access through familiar and varied methods to transfer facilities is essential to successful operations.

- **Graphical Interface.** Advantage Data Transport supports a Windows Explorer style graphical user interface and provides a familiar and easy-to-use environment that enables you to effectively manage all of the data transport requirements for your enterprise.
- **Web Interface.** Advantage Data Transport provides a Web interface with a Java GUI for the Administration Client, Auto Discovery, and Report Gatherer. The GUI makes it very easy to administer and setup data transfers.
- **Command Line Interface.** Advantage Data Transport provides a command line interface that allows you to perform transfer-related commands.

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

- **User Authentication.** User and password authentication can be activated at multiple levels.
- **Data Encryption.** Advantage Data Transport comes equipped with its own encryption algorithms and interfaces to popular encryption packages and allows users to specify their own encryption algorithms.
- **Trusted Users.** Domains of trusted users and computers can be configured so that users do not have to individually sign on to frequently accessed systems. A shared data access can also be provided for trusted users within the domain.
- **Data Transfer Shares.** Data transfer administrators can specify data transfer shares, providing custom access to user directories. Only disks or folders nominated to be shared will be visible and accessible to others.

Control and Customization. Advantage Data Transport provides flexibility in how you



implement and control your transfer environment.

- **Operator Control.** Progress and status of all data transfers occurring within an enterprise are monitored from a central location. Data transfers can be aborted, suspended, or resumed at any time. The sequence of transfers in a transfer job can be controlled in cases of transfer failure, and the data transport network can also be centrally maintained and configured.
- **User Exits.** Advantage Data Transport provides pre- and post-processing at both the file and packet data level in order to meet all business integration needs. Advantage Data Transport provides over 50 built-in routines and the extensibility for user-defined routines, which can be added by any customer and tied to any transfer being done. The built-in capabilities include virus scanners, compression, encryption, authentication, conversions from ASCII to EBCDIC, etc.
- **Software Developer's Toolkit (SDK).** Advantage Data Transport provides access to all functions through a function-rich API.

What's New in r3.0

Support for Other Transport Products. In recognition that many organizations run multiple data transport products, Advantage Data Transport permits other data transport environments to capitalize on its advanced management features.

- **Definition and Monitoring.** Advantage Data Transport enables the definition of transfers that will be performed by Advantage CA-XCOM Data Transport, Advantage CA-MLINK or FTP. These transfers can be managed and monitored by the Advantage Data Transport infrastructure, but performed by your other data transport system.
- **Execute CA-MLINK ACM Scripts During Transfer Activation.** Advantage Data Transport permits Advantage CA-MLINK™ ACM scripts to be executed during the execution of a Transfer Group. Fully integrated with the existing Sequence Logic facilities that are part of Advantage Data Transport, this permits

users with an existing Advantage CA-MLINK environment to exercise fine control over Advantage CA-MLINK activities.

Ease of Use Enhancements. Advantage Data Transport further simplifies its installation and usability.

- **Simpler Installation and Deployment.** Incorporates “Express” installation options to allow IT administrators who are unfamiliar with Advantage Data Transport to install it without having any prior knowledge of the product.
- **New GUI for Greater Usability.** This focuses on ease-of use, presenting a natural and intuitive interface that includes all the functions users might need in order to operate and configure their data transport environments.

Scalability Enhancement. Advantage Data Transport can now use a SQL Server or Advantage™ Ingres® database to store transfer details. This offers enhanced scalability over the flat file storage mechanism used previously.

Unicenter® Network and Systems Management (NSM) Integration.

Advantage Data Transport integrates with Unicenter NSM. Alternatively, for a true stand-alone solution, Advantage Data Transport comes complete with CA Common Services™. For customers who do not have Unicenter NSM, CA Common Services offers all the crucial components of Unicenter NSM necessary to satisfy the requirements of Advantage Data Transport. Specifically, CA Common Services components include Event Management, Calendars, WorldView™ and Auto Discovery, and Unicenter® Explorer.

DHCP and Mobile Support. Support for transfers that involve a computer whose location is likely to change frequently, or that is running in a DHCP environment and whose IP address is therefore subject to change, has been greatly enhanced in Advantage Data Transport.



- **Notification and Self-Discovery.** Agents running on computers that are DHCP-enabled may identify themselves to the Data Transport Service managers, allowing the management infrastructure to maintain its information about the latest IP addresses of the computers with which it has to communicate. This feature also eliminates the need for a Data Transport Auto discovery post-installation step — as Data Transport Agents start up, they can automatically register their details with the Managers.
- **Improved Support for Transfers Involving Mobile Computers.** Transfers

that fail due to a network problem may still be completed — the transfer can be automatically resumed when the Data Transport Agent comes back online. Alternatively, the user might wish to specify that the transfer should resume only when the computer comes back online at its former address, permitting data transport activities to be controlled according to the target computer's location.

For more information, visit ca.com

