

Executive Overview

Synchron Networks produces essential infrastructure software for making distributed computing operations secure and reliable. As enterprises increasingly depend on devices and applications that are semiautonomous, intermittently-connected, remote and mobile, they increasingly need infrastructure software that simultaneously assures security, reliability, control, consistency, and high performance.

Everserve™, Synchron Networks' software technology, assures secure and reliable delivery of digital assets, even in intermittent, dynamic networking environments. Everserve is able to securely and reliably deliver packages of any size, containing any type of digital assets (files, data, software, or media), to any number of endpoints, without expensive network infrastructure. Everserve provides an extraordinary degree of security and reliability through its painless automatic creation of PKI infrastructure, its ability to automatically adapt to dynamic networking environments, and its fault tolerance for intermittently connected systems.

Everserve is available as infrastructure software technology that enables developers, VAR's and SI's to rapidly create solutions and applications that meet business needs for secure, reliable distribution of mission-critical business information.

Everserve is also available in pre-configured easy-to-deploy applications that perform critical functions for distributed IT operations, including rapid deployment of security patches and software updates, and automation of secure reliable information transfer. The Everserve content distribution application automates encryption and provides confirmation of delivery. The easy-to-use Everserve software distribution application is ideal for laptops and other devices beyond the firewall.

Key Attributes of Everserve Technology

- Reliability across intermittent connections – automatic checkpoint restart
- Patent-pending end-to-end security – automated PKI and certificate management
- Detailed centralized reporting of every remote operation – detailed return receipts
- Ease of extensibility and integration through APIs and open standards
- Robust and auto-adaptive across varied and changing network environments
- Cross Platform – Windows, Unix, Linux, embeddable
- High scalability
- Very easy to integrate, implement and use

Differentiation. Compared to other data transport technologies, Synchron Networks has focused on intrinsic end-to-end security, automated reliability across intermittent connectivity, auditability, and scale. Compared to application servers, such as IBM Websphere and BEA Weblogic, which provide development-time technology for creating distributed applications, Synchron Networks has focused on the runtime issues of deploying and operating distributed applications, especially the issues of automating the establishment of a secure and reliable digital delivery network, automating distributed IT operations, reducing the costs of manual repetitive IT tasks, simplifying the management of change, and managing consistency across distributed, remote and mobile systems. Compared to system and configuration management vendors, such as Tivoli, Marimba and Novadigm, who have built large and complex management frameworks for LAN-based enterprise operations, Synchron Networks has focused on extending the service boundary beyond the firewall, in remote, insecure and intermittent network use cases; on data and file transfer and collection applications in addition to software deployment capabilities; and on providing a technology that is simple to implement and integrate.

Everserve Technology Benefits for Software Developers

- Satisfies your customers' demands for greater security and reliability
- Securely-encrypted and digitally-signed transport of any digital assets - media, files, data, software, or commands
- Automation of end-to-end security with zero overhead
- Automatic embedded PKI, encryption, certificate authority and digital signatures
- Support for intermittent connections and low-bandwidth networks
- Checkpoint-restart, persistent queuing, and dynamic reconnection
- Validation of remote deliveries
- Real-time summary status and detailed reporting
- Centralized or distributed control in remote and portable environments
- Maintain consistency of results across remote systems
- Leverages existing network infrastructure without reconfiguration
- Ease of integration
- Rapid deployment

Benefits to IT of Application and Solutions that use Everserve Technology

- Guaranteed delivery of digital assets - files, data, software, commands, or media
- Real-time validation of remote delivery
- Centralized control of distributed environments
- Rapid rollout of critical security patches, service packs
- Rapid rollout of service and configuration changes
- Enables proactive vs. reactive service response
- Maintain consistency of operating environments
- Maintain remote laptops without user involvement
- Assured delivery to intermittently-connected systems
- Automation of end-to-end security with zero overhead
- Leverages existing network infrastructure without reconfiguration
- Rapid deployment and ease of integration
- Easy to learn and use
- Increased productivity, cost savings

Everserve Value to the Enterprise Reduce Business Risk

- Strengthen Security of the Open Enterprise
- Cost Optimization
- Accelerate Time to Market on New Revenue Streams
- Increase Customer Satisfaction and Loyalty

Everserve configurations

- Technology for Software Developers
- Pre-configured IT Applications for Content Distribution
- Pre-configured IT Applications for System Management and Software Distribution

Market Feedback. *“The continued growth of web-based applications will require enhanced security and mass distribution.” “Synchron’s solution platform fills a critical gap in the development of the Supranet, the reality of updating and automating millions of deployed devices without requiring prohibitively expensive ‘truck rolls’ or other manual services.”* -- The Gartner Group.

Case Studies

Professional Services sector case study: Secure reliable data flow. A large national law firm is building their own portal to offer new web services to their customers. Confidentiality and the ability to audit communications are extremely important. They have identified Everserve technology because it gives them an easy, flexible and reliable vehicle to integrate and secure the data transfer between multiple applications and sites.

Financial Services sector case study: Automated reliable data transfer. A major western region banking system uses Everserve Content Distribution to automate the nightly transfer of daily transaction and check image data from regional IT centers to central IT. They chose Everserve because it provided them new levels of automation and reliability, with automated restart and resume of transmissions, reducing costs and failures. Additionally, Everserve’s unique automation of an intrinsic security infrastructure provides the bank with the opportunity to reduce future networking costs.

Public Sector case study: Common Operating Environment (COE) management. A laboratory in a department of the federal government selected Everserve System Management to manage the COE of their laptops. They chose Everserve over the traditional management frameworks because of its reliability across the intermittent connectivity of portable machines, its intrinsic security across unsecured network connections, and its low cost, simplicity and ease of deployment.



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