

PRODUCT FAMILY BRIEF: CA XOSoft WANSync

CA XOSoft™ WANSync™

CA Recovery Management Solution

CA ARCserve® Backup

CA XOSoft™ WANSync™HA

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CA ARCserve® Backup

CA XOssoft™ WANSync™HA

In today's enterprise, information technology (IT) systems and resources are increasingly critical. If a disaster or other unexpected occurrence makes these resources unavailable, every minute costs money — sometimes, lots of money. And if a business is deprived of such resources for too long, that business could be severely crippled or killed. The CA XOSoft™ WANSync™ Product Suite enables your organization to deliver continuous availability of business-critical IT resources, to help ensure their seamless redundancy and reliability.

Overview

Access to the information and tools people need to do their jobs is so business-critical that at least half of all enterprises that lose such access for too long never recover. And “too long” can be hours, not days or weeks. This makes the continuous availability and integrity of

IT-enabled resources crucial. Those resources must be protected against every threat and challenge, from the more mundane day-to-day failures to out-of-date information and platform migration to major disasters and malfeasance.

Benefits

The CA XOSoft WANSync Product Suite is a comprehensive, high-performance business continuity platform. It uses wide-area network (WAN) connections to provide comprehensive, cost-effective replication, restoration and synchronization of business-critical IT resources, over a variety of network topologies. These features translate into reliable continuous data protection (CDP), and high availability failover of those resources, even in the face of major disasters or changes.

CA Advantage

The CA XOSoft WANSync Product Suite replicates and synchronizes critical files, databases and entire applications. Recovery or “failover/failback” from almost any disruption is intuitive, symmetric and immediate. Regardless of the type or severity of the challenge, the CA XOSoft WANSync Product Suite lets your business keep doing business. And the solution integrates with other CA management and data protection offerings, as part of the company's vision for unified, simplified Enterprise IT Management (EITM).

The CA XOssoft WANSync Product Suite: Business Continuity Over the WAN

Today, almost every enterprise, regardless of size or type, does business electronically via some combination of IT-enabled tools. This means that almost every business is entirely dependant upon reliable, continuous access to the applications and information that enable the business to do business.

At the same time, threats to corporate IT resources grow in number, type and severity almost daily. Threats include viruses and “malware”, accidental and intentional data corruption, theft or loss of mobile computers hosting critical information and, natural and man-made disasters. Other challenges include the need to consolidate, migrate or virtualize servers and the resources they host without disrupting operations or putting those resources in jeopardy.

Amplifying all of this is the need to do business “at web speed.” This means not only protecting the business against disruption of operations and revenues from loss of access to IT resources. It also means restoring those resources to a current, usable state as rapidly as possible.

The CA XOssoft WANSync Product Suite provides a single, integrated, high-performance response to all of these challenges. The solution provides comprehensive replication of applications, databases and files, and near instantaneous failover and restoration of these resources after any loss or disruption. Integrated, automated testing of disaster recovery resources is also supported through CA XOssoft’s unique Assured Recovery™ option, to help ensure readiness in the face of actual threats. This combination of real-time replication, application monitoring, application failover/failback and CA Assured Recovery keeps critical IT-enabled business resources available and reliable, helping to keep users working and productive, impervious to the broadest array of threats from the most severe to the day-to-day issues that may arise.

The CA XOssoft WANSync Product Suite integrates several general-purpose synchronization and real-time replication solutions. These solutions come in several flavors unlocked by your specific license key:

- **CA XOssoft™ WANSync™ for Disaster Recovery (DR)** provides real-time data replication and rewind (CDP) for data availability, even across platforms covering Windows, UNIX and Linux to reduce recovery time objectives (RTO).
- **CA XOssoft™ WANSync™ CD for Content Distribution, Delivery & Web Publishing** on a large scale to serve needs ranging from global web content distribution to large scale centralized backup.
- **CA XOssoft™ WANSync™ HA for simplified DR by incorporating automated High Availability** is the flagship CA XOssoft WANSync Product Suite product addressing not only recovery point objective (RPO) needs but also RTO by incorporating application aware, monitoring, failover/failback, stand-by application/data testing via Assured Recovery and integration with VSS snapshots and backup solutions, including full GUI level CA ARCserve® Backup integration.

- **CA XOsoft™ WANSync™ HA** Server provides increased protection for file and application servers of any type. The solution monitors the health of connected applications, and notifies the appropriate IT administrator when something is wrong. This can either trigger an automatic failover or allow the administrator to perform “push-button”, single-click server failover or failback. The software also moves shares appropriately and helps ensure that users maintain access to authorized resources without any client-side change.

In addition, a set of dedicated solutions provide specific resources with complete availability assurance.

- **CA XOsoft™ WANSync™ HA, High Availability Solution Suite For Exchange** is the definitive WAN-based integrity and availability platform for Microsoft Exchange. It automatically maps and retrieves all Exchange database components (including the message database, storage group and associated data, and transaction log files). This enables streamlined set-up and seamless, comprehensive high availability. CA XOsoft WANSync HA Exchange secures entire stand-alone or clustered Exchange servers, constantly replicates changes to either local or remote replicas in real time. Should Exchange servers fail for any reason, geographically remote replicas are available to take their place, quickly providing the fastest path to recovery.
- **CA XOsoft™ WANSync™ HA, High Availability Solution Suite For SQL** is the most comprehensive WAN-based disaster recovery platform for Microsoft SQL databases. It boosts the availability of Microsoft SQL servers through completely automated failover and added value through read-only reporting options on the stand-by server. These enable automatic failover, even across different Internet Protocol (IP) networks, and can be either local or remote. As with all applications, transactional integrity is maintained at all times, as updates are applied to replicas in exactly the same order in which they were written to the master (or source) SQL database server. Considering the use of MS SQL as the backend database for many other critical resources such as SharePoint and SAP the CA XOsoft WANSyncHA database solutions become a critical component of your disaster recovery plan.
- **CA XOsoft™ WANSync™ HA Data Replication & Recovery For Oracle** is an unrivaled WAN-based disaster recovery platform for Oracle 9i and 10g databases. Complete information integrity is maintained; even as “live” database records are being updated. Built-in continuous data protection based on CA XOsoft’s pioneering “rewind” technology provides complete protection against data corruption, allowing database administrators to roll back changes to a previously stored state on-demand.
- **CA XOsoft™ WANSync™ HA, High Availability Solution Suite For IIS** provides the same core benefits as the other CA XOsoft WANSync HA supported applications with several unique differentiators specific to web services availability and management. Should your web servers fail, services will be brought online and users redirected to alternate servers very quickly, including modifying DNS records or moving IP addresses as needed. On the management front, monitoring of web applications is enabled and configuration is easily handled through metabase synchronization during the configuration process.
- **CA XOsoft™ WANSync™ HA** for Blackberry provides a WAN-based disaster recovery platform for Blackberry based on CA XOsoft WANSync HA for SQL product. Once failover of the backend SQL Blackberry configuration database is complete any number of Blackberry Enterprise Servers will be switched over using what RIM refers to as the “knife edge cutover” methodology.

Key Capabilities

FAST AND SIMPLE INSTALLATION

- Soft installation requires no system shutdown or server reboot during installation or data replication, even on live data.
- Effortless replication setup, with support for one-to-many or many-to-one replication technologies.
- Easy to use graphical user interface (GUI) enables centralized management from any remote site; includes a wizard for local and remote installation and remote configuration.
- Flexible replication scheduling — synchronization may occur in real time or on a scheduled basis.
- Integrated remote installation and upgrades for greater consistency and manageability; any numbers of servers can have the core CA XOSoft WANSync engine installed or upgraded in one step.

TRANSPARENT OPERATION

- Continuous, real-time, asynchronous replication of servers, along with open files and access control lists (ACLs), even as they are being accessed.
- Minimal IT support required.
- Replication with incremental updates based on byte-level changes and optional data compression minimizes bandwidth requirements for effective replication.
- Highly resilient network protocol protects against connection losses and optimizes low-speed links, assessment mode even allows for benchmarking network bandwidth impact before actually starting live replication.
- Supports Microsoft Clusters, adding offsite failover to current deployments transparently without changing existing cluster behavior.
- Integrated, automated stand-by application and data testing through Assured Recovery, without interrupting replication.

COST-EFFECTIVENESS

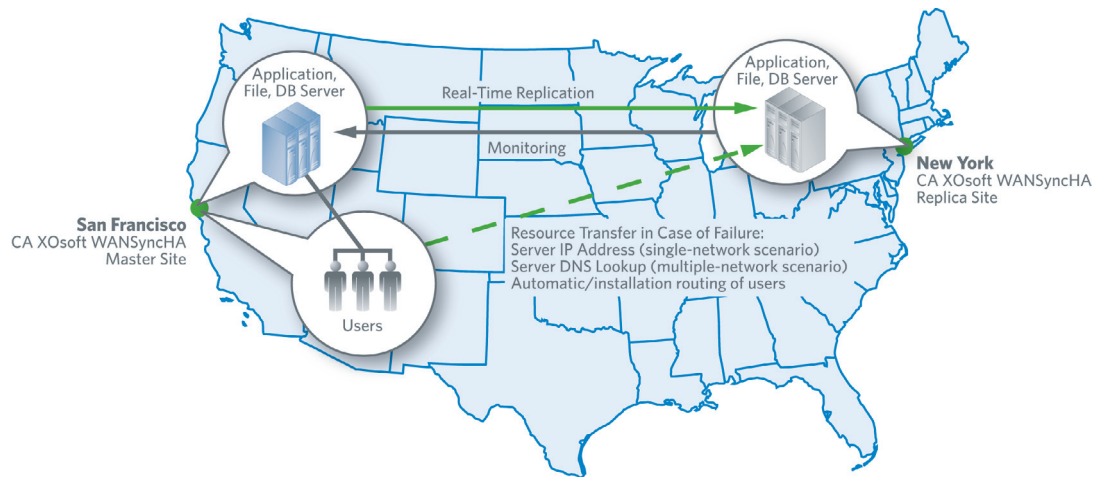
- Fully hardware-agnostic, supporting replication and failover from any hardware platform or Microsoft Cluster to any physical or virtual platform, use what hardware makes sense for the business, not what hardware compatibility issues may dictate.
- Doesn't require additional third-party clustering software.
- No hidden costs — the lowest total cost of ownership (TCO) and a rapid return on investment (ROI) by protecting from the broadest range of failures.
- Highly scalable architecture — deployments can start small and grow with need.
- Bandwidth throttling enables limits on consumption of network resources.
- Compatible with virtual servers to consolidate servers at a replica site, saving not only on physical hardware but also rack space, cooling, power and more.

The CA XOSoft WANSync Product Suite tracks all incoming changes to files on the production master application server and continuously replicates these changes to replicas in real time. Should the master server become unavailable, services will automatically failover to a remote site. (See Figure A below). CA XOSoft WANSync HA monitors master server failures and initiates failover to a replica site, either automatically or on command. Out-of-the-box the CA XOSoft WANSync Product Suite completely covers many applications, however if a specific need arises scripts can be used to customize server failover based on business policies and to support other application server types.

FIGURE A

CA XOSoft WANSync Server replicating across the WAN in real time.

CA XOSoft WANSync AT WORK



The Bottom Line: More Availability, Productivity and Reliability for Critical IT-Enabled Business Resources

Continuous, reliable access to accurate, up-to-date information and essential applications, regardless of threats or challenges, is essential to business continuity and success. By offering innovative layers of protections against a variety of threats, CA XOSoft WANSync keeps critical information and resources available, accessible and current. This makes businesses more resistant to threats and risks related to loss of access to those resources, and more rapidly resilient in the face of disasters or other disruptions. These benefits enable CA XOSoft WANSync Product Suite to deliver significant business value, by helping to ensure access to the information and applications that drive the business.

The CA Advantage

The CA XOSoft WANSync Product Suite offers unparalleled protection of critical business applications and information, regardless of the nature or severity of the challenges to those resources. Another important feature of this innovative solution is that it is supported by CA, a long-time market leader in IT-enabled business solutions.

The CA XOSoft WANSync Product Suite is both a clear example and a critical element of CA's unique vision of EITM. Under this vision, CA focuses on helping you to unify and simplify management of your enterprise's IT resources, in ways that maximize their value to your business. And like its other solutions, the CA XOSoft WANSync Product Suite is built for easy integration and interoperability with other management and protection tools, from CA and other vendors. One example of the EITM vision in action is the integration between the CA XOSoft WANSync Product Suite and CA ARCserve® Backup as part of CA's Recovery Management solution allowing for CA to provide the entire continuum of data protection from traditional backups to application high availability and disaster recovery.

In addition, all CA solutions are supported by a broad and skilled ecosystem of industry partners, as well as the power and talent of CA Technology Services™ and CA Education. These strengths mean that you will always have access to help with your data protection or IT management challenges, today and tomorrow.

Next Steps

You know how critical your IT resources are to your business, and how critical it is to keep those resources available and up-to-date. The CA XOSoft WANSync Product Suite offers comprehensive, consolidated, flexible, integrated and powerful replication and synchronization features that can help you protect those resources, including entire databases and complete applications. Such protection translates directly into greater agility and productivity for your company and its customers, employees and partners. All you need now is to learn how quickly and easily the CA XOSoft WANSync Product Suite and CA can help you and your enterprise meet your specific availability, replication and synchronization needs.

Take the CA XOSoft WANSync Product Suite for a free test drive! <http://ca.com/us/trials/>

To learn more, and see how CA software solutions enable organizations to unify and simplify IT management for better business results, visit ca.com/products.

CA, one of the world's largest information technology (IT) management software companies, unifies and simplifies complex IT management across the enterprise for greater business results. With our Enterprise IT Management vision, solutions and expertise, we help customers effectively govern, manage and secure IT.

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