



CA XOsoft™

WANSyncHA Product Suite

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Built on the CA XOsoft™ WANSync™ business continuity platform, CA XOsoft WANSyncHA is a high availability solution based on asynchronous real-time replication and automated application failover and failback that provides cost-effective business continuity for Microsoft Exchange, Microsoft SQL Server, Oracle, Microsoft IIS webservers, file servers, and other applications on both 32- and 64-bit Windows servers. CA XOsoft WANSyncHA offers push-button or fully automatic failover of mission-critical application servers over a LAN or WAN, application-aware status monitoring, integrated continuous data protection as a guard against data corruption, and completely non-disruptive automatic testing of your disaster recovery system, all in a system that sets the standard for ease of configuration and management.

The CA XOsoft WANSyncHA Advantage

CA XOsoft WANSyncHA easily surpasses traditional auto-failover solutions by breaking through geographical and network technology-imposed barriers. No longer is failover to replicas limited to your LAN or to a single IP network port, the highest availability replica in London, Tokyo or Sydney will automatically and immediately take its place to provide your users with continuous, uninterrupted access to the applications and information resources they rely on.

CA XOsoft WANSyncHA Major Differentiators

CA XOsoft's "rewind" technology, also known as Continuous Data Protection (CDP), is embedded in CA XOsoft WANSyncHA and offers users the ability to "rewind" data to its pre-corrupted, consistent point just prior to the data interruption — minimizing data loss and increasing time to recovery. Sold bundled with CA XOsoft WANSyncHA is CA XOsoft™ Assured Recovery™, which conducts behind-the-scenes disaster recovery testing to ensure that replica systems can come on-line as planned and lets a storage manager know if the application at the backup site is running properly.

Fast and Simple Installation

CA XOsoft WANSyncHA, unlike lesser solutions, requires neither lengthy server and client station reboots during installation and maintenance activities, nor significant changes to your IT infrastructure. CA XOsoft WANSyncHA installs smoothly and may be brought on-line in mere minutes. Want to take CA XOsoft WANSyncHA for a test drive? Don't worry about having to lose time and money by bringing your network to a halt. Simply install and start the software, even as your users keep working.

Transparent Operation

CA XOsoft WANSyncHA is designed to operate autonomously and intelligently, requiring minimal investment in IT manpower. Daily activities remain unaffected, as CA XOsoft WANSyncHA ensures the highest availability with moderate impact on available server bandwidth.

Cost Effective

CA XOssoft WANSyncHA is completely self-contained and works with the software and hardware platforms you already own. With no hidden costs, you get the highest cost effectiveness, the lowest TCO (Total Cost of Ownership) and fast return on investment.

How Much Availability is Enough?

With the ever-increasing need to achieve high application and service availability, most businesses secure their information infrastructure by regularly backing it up. Many have also deployed continuous backup and real-time replication solutions to ensure additional data protection, with standby replicas of critical servers located at remote sites around the globe.

When disaster strikes and critical servers go down, just having backups or standby replicas available may simply not be enough. Being able to overcome disaster without missing a beat — to allow applications to fail over to standby replicas automatically and instantaneously while providing your organization with truly seamless service availability — that's what it's all about.

High Availability Challenges

High availability with automatic failover constantly monitors the health of the application and ensures that should a critical server become unavailable — due to failure or maintenance-related downtime — a replica will immediately provide service in its place. Failover requires that application-specific network resources (IP address, host/NetBIOS name and DNS), application resources (Exchange, SQL or Oracle-specific) and replication resources (replication is suspended and its direction needs to be reversed) be transferred from the failed server to the standby server.

With all its power, conventional failover does not solve everything, installation, configuration and maintenance of traditional high availability solutions often result in interruptions in service and prolonged downtime, and often require that considerable changes be made to an organization's IT infrastructure. Additionally, to overcome such obstacles as performing automatic failover to replicas located in different IP networks (in which case IP addresses cannot be transferred), an even more advanced solution is required — one that breaks geographical barriers to provide seamless availability on global scale.

Introducing CA XOssoft WANSyncHA

CA XOssoft, a leading provider of high availability and disaster recovery solutions, takes high availability to the next stage. Based on its acclaimed WAN-based WANSync business continuity platform, the company has developed CA XOssoft WANSyncHA, which boosts availability even further with application-aware, automatic failover, even across multiple networks.

CA XOssoft WANSyncHA builds on the CA XOssoft WANSync platform's ability to maintain fully functional backups of complete database and application servers. These synchronized servers may be local to the organization, but may also be maintained remotely, with real-time replication carried out over the WAN. Should a server fall prey to unexpected failure or be brought down for maintenance, a synchronized replica, regardless of where it is located in the world, will automatically and instantaneously be brought on-line to maintain high availability, with no need for any manual intervention. Your employees will never feel a thing, as they retain continued, uninterrupted access to your organization's information resources.

CA XOssoft WANSyncHA Server provides seamless global availability including built-in rewind technology (CDP) as well as the option to add-on CA XOssoft™ Assured Recovery™ for a complete, integrated solution for application servers of any type. In addition, a set of dedicated, application-specific solutions provide industry-standard application servers with tailored, automatic failover-backed global availability. These solutions include the CA XOssoft™ WANSyncHA Exchange, CA XOssoft™ WANSyncHA SQL, CA XOssoft™ WANSyncHA IIS, CA XOssoft™ WANSyncHA Oracle and CA XOssoft™ WANSyncHA Server high availability platforms for Microsoft Exchange, SQL, IIS, Oracle and file server respectively.

CA XOssoft WANSyncHA Lets You Just Keep Working

Single-Network Failover

In a single segment scenario, a CA XOssoft WANSyncHA master is assigned a secondary IP address. This IP address is used for replication with a replica server. In case the master fails, it will retain the secondary IP address, while its primary IP address is reassigned to the replica server, along with the master's host name. Complete service availability is achieved, as users are automatically and immediately switched to the replica server. The only

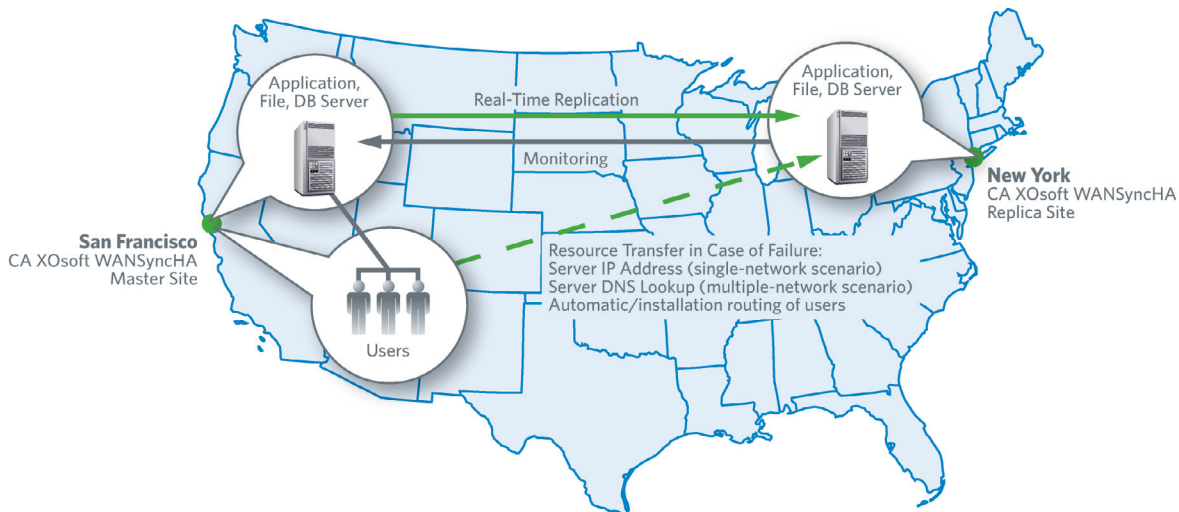


Figure 1. CA XOssoft™ WANSyncHA re-routing client application to the replica server.

configuration required is to disable the master server from automatically updating DNS tables, which is usually done by default.

Cross Network Failover

When master and replica do not reside on the same IP network, IP address transfer is impossible. CA XOssoft WANSyncHA overcomes this limitation through intelligent manipulation of DNS lookup. Should the master server fail, CA XOssoft WANSyncHA will route client applications to a replica server with an alternate DNS name, again providing users with complete and seamless application availability. See Figure 1. The only configuration this scenario requires is that client stations be set up to work with servers by name, rather than IP address. If Active Directory Integrated DNS is in use, preventing CA XOssoft WANSyncHA from updating DNS tables, the master server itself will be registered as a “user” on the network, with proper ACL (Access Control Lists), and failover to the replica will be performed using standard password protected security procedures.

For more information, call 1-866-926-7962 or visit www.xosoft.com

