PRODUCT FACT SHEET: CA ARCserve® High Availability r16
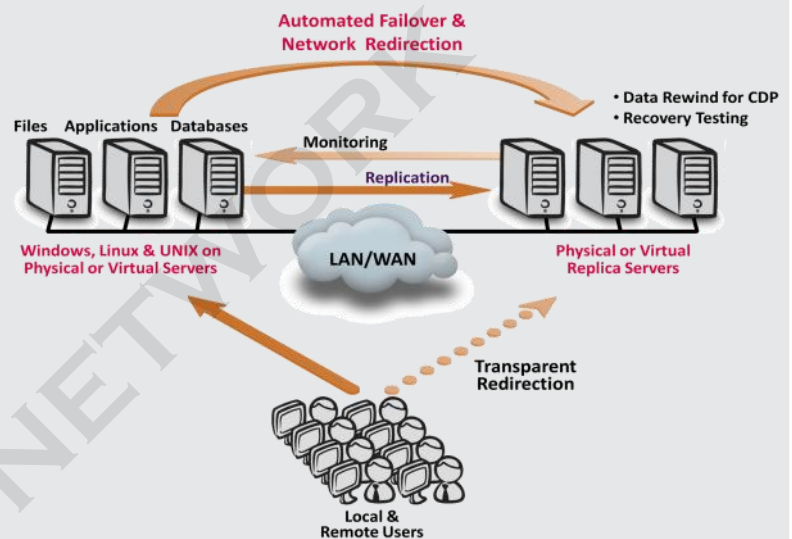
Reducing System Downtime

Businesses lose hundreds of thousands of dollars each year due to system downtime. How much is your business losing? Why wouldn't you want to immediately reduce that impact to your top and bottom lines? Why risk your company's sales, employee productivity and reputation? High availability is no longer reserved for large enterprises. It is now considered a standard for any business that depends on consistent availability and continuous protection of its critical systems, applications and data. In this way, businesses can fulfill demanding service-level agreements (SLA's) or strengthen their business continuity (BC) and disaster-recovery (DR) plans. Don't compromise! CA ARCserve high availability delivers continuous system, application and data availability. The result: you gain the agility, control and protection that you need today.

Thousands of customers worldwide in data centers and remote offices trust CA ARCserve High Availability, formerly known as CA XOsoft™ High Availability. It helps to keep your business running at full speed with less downtime from unplanned and planned outages and makes continuous data protection easier than ever.

We all know that the most common causes of downtime are user, application or system error, not natural disasters, but now you can be covered for all events. CA ARCserve High Availability helps you meet SLAs that basic backup and restore alone can't satisfy.

It provides system, application and data availability, supports Windows®, Linux® and UNIX® on both physical and virtual servers, and complements whatever backup solution you use today. You can deploy this solution on-premise, off-premise and in the cloud—or any combination of these

Key Features

CA ARCserve High Availability provides a rich set of features that address system, application and data availability, and protection needs, to meet demanding SLAs and BC/DR strategies. Whether you protect a single server or thousands of servers, you get system scalability that grows with your business. End those frantic calls at 2am and during the weekend. Now you're protected 24x7x365.

LOCAL AREA NETWORK (LAN) AND WIDE AREA NETWORK (WAN) REPLICATION AND FAILOVER provide system, application and data protection for Windows, Linux and UNIX environments on physical and virtual servers. You can deploy your failover environment on-premise, off-premise and in the cloud. LAN and WAN replication and failover simplify copying and migrating backup data to an off-site location for disaster recovery; ease and speed physical-to-virtual (P2V) server migration; and make consolidating remote office data for secure, centralized backup and off-site protection quick and easy.

AUTOMATIC FAILOVER provides server and application monitoring, automatic and push-button failover and push-button failback to speed recovery after unplanned outages and eliminate business disruptions during planned maintenance.

CA ARCSERVE® ASSURED RECOVERY® enables automated, non-disruptive, Windows-based replica testing at the application level to ensure system preparedness while maintaining real-time replication and continuous data protection.

INTEGRATION WITH CA ARCSERVE® BACKUP enables combined data replication, backup and high availability—together in a single console.

VIRTUALIZED SERVER SUPPORT provides replication and high availability at the VM level for VMware ESX and VMware vSphere™ as well as high availability for VMware vCenter™ Server. CA ARCserve High Availability provides Hypervisor and guest-level replication and high availability for Microsoft® Hyper-V™, and provides Citrix® XenServer guest-level replication and high availability. <u>CA ARCserve High Availability provides a single solution for both physical and virtual servers.</u>

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UNIFIED MANAGEMENT CONSOLE provides a single web-based console for management, monitoring and reporting of all levels of protection for all supported Windows, UNIX and Linux platforms. In this way, you can ease deployment and management to improve IT productivity and let you focus on other strategic initiatives to help grow your business. CA ARCserve High Availability also offers control service replication and failover for its own management system high availability.

DATA REWIND provides continuous data protection (CDP) with fast recovery of lost or damaged data and databases, complementing periodic backups and snapshots.

OFFLINE SYNCHRONIZATION provides an alternative to LAN and WAN synchronization to transfer large Windows-based data sets and databases more easily. With this feature, you can speed deployment and reduce the amount of time for which you are unprotected. Using offline synchronization, you can transport a data copy on physical media and synchronize even while replication is underway, which is especially useful for cloud deployment.

MULTIPLE REPLICATION OPTIONS offer continuous, scheduled/periodic and ad-hoc Windows server replication, providing the flexibility that you require. With this feature, you can balance your network resource utilization and your required level of protection.

APPLICATION-AWARE REPLICATION AND FAILOVER means auto-configuration for fast and easy deployment as well as transactional integrity for Microsoft Exchange, SQL Server, SharePoint, Internet Information Services (IIS), Microsoft Dynamics CRM, Oracle and BlackBerry—all from a single management console. You can protect other Windows applications by using the Custom Application Protection wizard or by a simple script. In addition, you can protect Linux and UNIX applications via a simple script.

MULTI-STREAM REPLICATION enables the use of multiple data streams to increase network replication throughput over high-latency WANs.

New Features

CA ARCserve High Availability r16 provides new functionality that expands its value to you and offers additional protection, flexibility and security through the following new features.

FULL SYSTEM PROTECTION performs continuous real-time physical-to-virtual (P2V) and virtual-to-virtual (V2V) replication of the Windows operating system, system state, application and data to an offline local or remote VMware vSphere, Microsoft Hyper-V, Citrix XenServer or Amazon Web Services (AWS/EC2) virtual server. This feature automatically stands-up the Replica server after automated or push-button failover and redirects end-users. To quickly and easily restore your Production Server, you get Bare Metal Recovery (BMR) failback where you boot a new (physical or virtual) server using the BMR boot image, or the repaired Production Server, and perform non-disruptive reverse synchronization from the Replica Server – with no business downtime. Once resynchronization completes, you reboot the Production Server and redirect end-users. It also makes P2V migration quick and easy.

AMAZON CLOUD (AMAZON WEB SERVICES™ (AWS) AND AMAZON ELASTIC COMPUTE CLOUD (AMAZON EC2)) INTEGRATION enables use of the cloud for the failover server to replace CAPEX with OPEX while benefiting from having a remote site with defined service level agreement for disaster recovery. You get continuous system and data replication to the cloud using virtual cold standby that minimizes your cloud services cost as you only pay for failover time used

SECURE COMMUNICATION provides 128-bit Secure Sockets Layer (SSL) encryption across the network without the need for a virtual private network (VPN) or IPSec tunnel, thereby reducing cost and complexity.

WINDOWS SERVER 2008 FAILOVER CLUSTER SUPPORT complements a Windows failover cluster with replication to any local or remote site, regardless of distance, for disaster recovery. It also eliminates your storage as a single point of failure. Integration with Microsoft System Center Operations Manager makes management faster and easier.

NETWORK ADDRESS TRANSLATION (NAT) SUPPORT enables remote replication and failover in NAT environment without sacrificing security.

VMWARE VCENTER SERVER V5 SUPPORT protects the VMware management system and provides fast recovery.

Your Benefits

Whether you are planning business continuity or disaster recovery CA ARCserve High Availability helps you to:

- Eliminate system downtime that affects sales, service, operations, customer satisfaction and employee productivity.
- Improve overall system and data protection and speed system, application and data recovery.
- Virtualize with confidence—mix and match your virtualization platforms.
- Improve business continuity and disaster recovery protection.
- Lower the overall risk of system downtime and data loss.

Try it for Yourself Try CA ARCserve High Availability for free and see why thousands worldwide trust it for their systems and data at arcserve.com/software-trials. For more information, visit