



Business Continuity and Disaster Recovery

Business continuity includes keeping your systems, applications and data continuously available. We all define disasters differently—from accidental or malicious data loss or damage, and unplanned system and application outages, to power loss, fire, flood, earthquakes and hurricanes. No matter how you define business continuity and disaster recovery (DR), we all know that today, you need a strategy that provides protection, fast recovery and high availability of your systems, applications and data. That strategy needs to address a wide range of unexpected disruptions and data loss.

CHALLENGES

Guarding against the myriad of unplanned disruptions and data loss is imperative in today's tough economic and competitive climate. Today, it is much tougher to meet the recovery time objectives and recovery point objectives that service-level agreements and business goals drive. In addition, with server virtualization and exponential data growth, IT professionals need a way to provide protection, recovery and availability of the systems, applications and data on which their business depends—all while cutting IT costs.

PRODUCT INFORMATION

The CA ARCserve Family of Products is the only solution that offers a full range of products from bare-metal restore to fully automatic failover for high availability. The CA ARCserve Family of Products delivers a complete strategy to manage backup, recovery and availability in data centers as well as in local and remote offices, whether they are deployed on physical and virtual servers, on-premise, off-premise, in the cloud—or in any combination of these—to quickly recover your systems, applications and data.

BENEFITS

With the CA ARCserve Family of Products, you minimize system and application downtime and data loss that affects your top and bottom lines. This can range from sales, operations and customer service to employee productivity and reputation. Simple, centralized deployment, management and reporting helps to maximize IT productivity so that you can do more with less—all while reducing storage requirements and costs.

IT organizations face many challenges when planning business continuity and disaster recovery strategies. We all know that traditional tape-based backups are slow and risky due to the inherent problems of tape drives and media. To make matters worse, the explosive growth of data makes it almost impossible to meet backup windows. If you don't have the right tools, disk-based backup can significantly increase DR costs due to ever-growing storage requirements. Then you have the challenge of getting copies of your systems, applications and data off-site to a remote office, data center or partner-hosting facility, or to the cloud, to address unplanned site disasters such as fire, flood and power outage as well as natural disasters. Even if your data is protected, how long does it take to recover after loss or damage due to user and administrator error, or after a virus attack? If you lose your system or storage, how long does it take to restore those systems? How do all these scenarios affect your business?

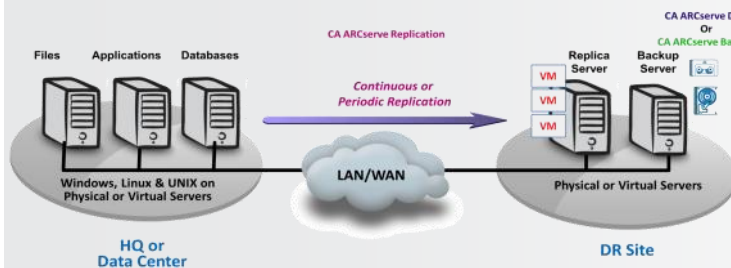
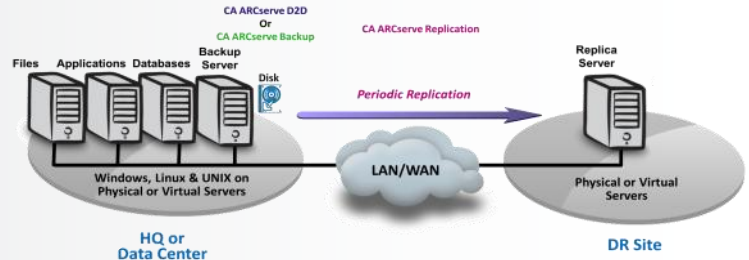
The Solution: CA ARCserve Family of Products

The CA ARCserve Family of Products gives you control over your evolving business by delivering total protection, recovery and availability for your data center and local/remote office systems, applications and data. The CA ARCserve Family of Products is the only disaster recovery solution that offers a full range of products from bare-metal restore to fully automatic failover for high availability, whether they are deployed on-premise, off-premise or in the cloud. You get a complete strategy to manage backup, recovery and availability on Windows®, Linux® and UNIX® systems—deployed on physical and virtual servers.

Let's start with backup. **CA ARCserve® D2D** provides fast and easy backup to disk and is the only Windows-based backup solution that offers infinite, incremental backups, based on the I2technology™ from CA Technologies. This new backup methodology changes how backups are performed to significantly reduce backup and restore times as well as backup storage requirements. New in r16, the **CA ARCserve® Central Virtual Standby** application provides near-instantaneous recovery of any server as a VM. Backups are made available in either Virtual Hard Disk (VHD) format (for Microsoft® Hyper-V™) or Virtual Machine Disk (VMDK) format (for VMware) and pre-registered with the hypervisor so that they can be immediately powered on whenever a recovery is needed.

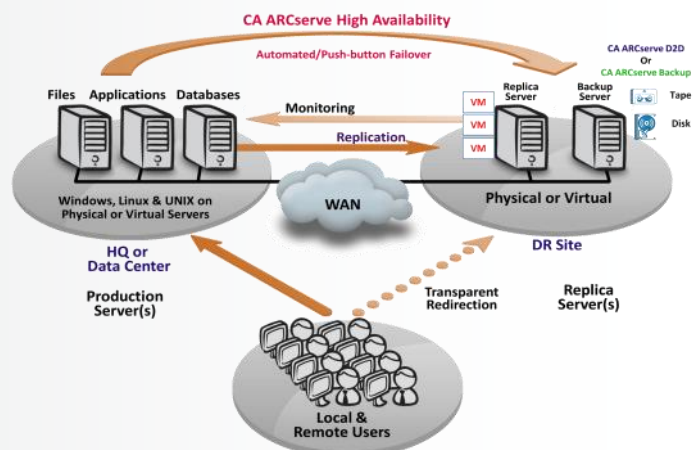
Use **CA ARCserve® Backup** if you have a more complex environment such as mixed Windows, Linux, UNIX and Mac, or if you require disk-to-disk-to-tape or disk-to-disk-to-cloud backups for long-term storage. CA ARCserve Backup includes built-in data deduplication to reduce storage requirements by up to 95 percent. It also provides a dashboard with Storage Resource Manager (SRM) reporting and Infrastructure Visualization to help you proactively monitor your environment and avoid unplanned system outages and downtime. Whichever backup solution you use, once backups are completed, you need a way to copy those backups off-site or to the cloud for disaster recovery.

CA ARCserve® Replication makes copying backups and data off-site for disaster recovery quick and easy. In addition, CA ARCserve Backup is integrated with CA ARCserve Replication for ease of use. Alternatively, you can replicate data off-site first by using CA ARCserve Replication or CA ARCserve® High Availability. Then, centralized backup can be performed off the Replica server, avoiding any impact to the production environment and eliminating backup window constraints.



No matter what backup solution you use, to meet demanding business continuity and disaster recovery strategies, organizations today need more than backup alone. **CA ARCserve Replication** provides continuous data protection (CDP) for Windows, Linux and UNIX to complement periodic backups and snapshots. It includes Data Rewind to quickly and easily recover data after unplanned damage and loss to meet recovery point objectives.

For system and application protection, **CA ARCserve D2D** provides bare-metal restore to dissimilar hardware to quickly restore entire systems. If continuous availability is needed for critical applications, **CA ARCserve High Availability** delivers all the features of CA ARCserve Replication and adds real-time server and application monitoring with automatic and push-button failover for critical applications. Both CA ARCserve Replication and CA ARCserve High Availability include automated, non-disruptive recovery testing



CA ARCserve Family of Products Overview

CA ARCserve Backup goes beyond backup, giving businesses highly reliable data protection with centralized management that makes sense, no matter how complex your data or IT infrastructure is. CA ARCserve Backup offers all this at a fraction of the cost of the competition. Reduce your backup storage by up to 95 percent and regain precious time with the only product that combines data deduplication; integrated backup copy to cloud storage; granular restore of applications such as Active Directory®, Microsoft Exchange and Microsoft SharePoint®; Infrastructure Visualization; and archiving—for both physical and virtual servers in a single package.¹ Synthetic full backups reduce backup windows and integration with CA ARCserve D2D provides a single catalog to recover data, regardless of how it was backed up.

CA ARCserve D2D provides fast and easy backup to disk and is the only Windows-based backup solution that offers infinite, incremental (I2) backups and bare-metal restore—including to dissimilar hardware. This new backup methodology changes how backups are performed to significantly reduce backup and restore times and eliminate the inherent risks of tape devices and media. It also enables faster and more granular recovery points—up to every 15 minutes—speeding data recovery, either from local data on disk or remote data stored in the cloud. Centralized deployment, management and reporting reduce implementation and management effort and provide status information to you for increased peace of mind. The new **CA ARCserve® Central Host-Based VM Backup** application for VMware virtual servers simplifies protection of all virtual servers on a physical host while the new **CA ARCserve Central Virtual Standby** application provides near-instantaneous recovery of any server as a VM. Companies that have an installed backup system can use CA ARCserve D2D to improve their recovery time.

CA ARCserve® Central Applications deliver greater integration and easily add new functionality across the CA ARCserve Family of Products for improved recovery time, reduced IT management workload and enhanced backup of your virtualized servers. **CA ARCserve® Central Protection Manager** provides a centralized view and management of all servers and workstations that CA ARCserve D2D protects, reducing IT workload through simplified, policy-based administration. **CA ARCserve® Central Reporting** provides centralized reporting on all devices, settings and policies running on-premise and off-premise that are protected by CA ARCserve Backup and CA ARCserve D2D, so you can easily understand what is happening across your environment. **CA ARCserve Central Host-Based VM Backup** uses CA ARCserve D2D to protect a single VMware host environment, performing backup of all VMs via a single-pass backup without having to install CA ARCserve D2D inside each VM while providing granular recovery of VM data. It enables granular recovery of files and folders from each individual VM and the restore of supported applications running within a VM, simplifying protection and recovery of your virtual servers. Finally, **CA ARCserve Central Virtual Standby** makes CA ARCserve D2D backups available to run like regular VMware VMDK or Microsoft VHD virtual servers. It automatically pre-registers each recovery point with the hypervisor for immediate recovery as a VM if a system outage occurs. The recovery transfer time is eliminated and VMs can be powered on manually or automatically when needed to provide near-instantaneous recovery.

CA ARCserve Replication, formerly known as CA XOSoft™ Replication, provides continuous data protection for Windows, Linux and UNIX systems on physical and virtual systems. You get an easy way to migrate and copy data between servers and locations, as well as between remote offices, and a central site for backup and archiving. It delivers local area network (LAN) and wide area network (WAN) continuous and periodic replication, whether on-premise, off-premise or in the cloud. You get Data Rewind for continuous data protection (CDP) to complement any periodic backup solution, helping to speed recovery and minimize data loss. Only CA ARCserve Replication offers offline synchronization, multi-stream replication, bandwidth throttling and multiple replication options to help balance network resources with your desired level of protection.

CA ARCserve High Availability, formerly known as CA XOSoft™ High Availability, includes all the features of CA ARCserve Replication and adds continuous system, application and data availability for your critical systems. It provides server and application monitoring, automatic and push-button failover and push-button failback to reduce risk to your sales, service, operations, employee productivity and reputation. Unlike other high-availability solutions, CA ARCserve High Availability does not require any cluster architecture or additional “witness servers,” responds to issues at the server and application levels and includes Data Rewind for CDP and automated, non-disruptive recovery testing to make sure that IT resources are available when they are needed. Only CA ARCserve High Availability offers offline synchronization to speed deployment with large Windows data sets and databases, and a unified, self-protecting, web-based management service.

The CA ARCserve Family of Products, along with affordable, flexible and simple licensing options, makes CA Technologies the value leader in the market, delivering enterprise-class system, application and data protection, recovery and availability for a wide range of operating environments and applications. Certified across an extensive range of industry platforms and applications, the CA ARCserve Family of Products provides compatibility and support for small and large heterogeneous environments.

Benefits

Leveraging the CA ARCserve Family of Products helps to ensure the protection and availability of your data center and local/remote office systems, applications and data on which your business or organization depends. Benefits include:

- Easier and faster backup and restore for physical and virtual servers with reduced storage costs.
- Periodic and continuous data protection to help keep data and information protected and quickly recoverable.
- High availability for critical systems, applications and data to help mitigate the risk of system downtime.
- Support for Windows, Linux and UNIX on physical and virtual servers to help reduce complexity and simplify training.
- Centralized and automated management so that your IT staff can focus more on growing the business.

Next Steps

Learn more about the CA ARCserve Family of Products by visiting arcserve.com/products. Please contact your local reseller or visit shop.arcserve.com/partner-locator to locate an authorized partner in your area

Try the CA ARCserve Family of Products now, visit arcserve.com/software-trials.

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