



PRODUCT BRIEF

How much is lost and damaged data affecting your company's top and bottom lines, employee productivity and reputation? How can you address today's demanding service-level agreements (SLAa) and business continuity (BC) and disaster recovery (DR) strategies? Don't compromise! CA ARCserve Replication, helps you reduce data loss and mitigate risks. The result: you get continuous data protection and data migration, whether it is deployed on-premise, off-premise or in a public cloud. CA ARCserve Replication does all this from a single, unified web-based management console—delivering the agility, security and control that you need today.

OVERVIEW

Today, organizations need better data protection than traditional backup and restore alone can offer. To meet demanding SLAs, you need a better and faster way to recover data after accidental or malicious damage or loss. What's more, you also need a less risky way to copy or migrate data to and from remote sites when physical media transport is not the best option for your business. Many organizations also need a better way to migrate from physical to virtual servers as well as to consolidate remote office data for central backup or disaster recovery.

BENEFITS

CA ARCserve Replication software makes migrating data from one server to another, or from one location to another, quick and easy. You can now use a MSP-hosting facility as well as a private or public cloud to gain scalability and flexibility. In addition, you can easily copy backups off-site from your data center or remote offices, eliminating risky, costly and time-consuming physical media transport. You get more than just replication, too. You get continuous data protection (CDP) to protect data between periodic backups, using Data Rewind for the most granular recovery.

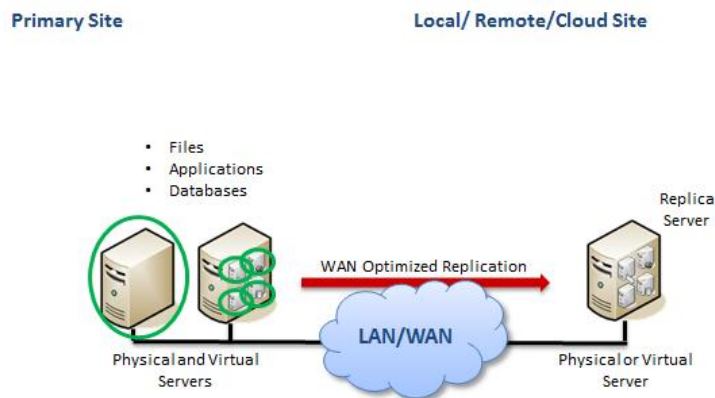
THE CA ARCSERVE ADVANTAGE

CA ARCserve Replication protects Windows, Linux and UNIX file and application servers. It is a single solution for both physical and virtual servers and includes many unique features such as full system protection that performs continuous replication of an entire Windows-based system/VM including operating system, system state, application and data. You also get continuous and periodic replication options, compression, multi-stream replication, bandwidth throttling and offline synchronization—all designed to help optimize network bandwidth. And integration with CA ARCserve® Backup and CA ARCserve® D2D means you can replicate backups offsite for disaster recovery.

We go beyond backup so your business can go beyond today

CA ARCserve Replication offers both local area network (LAN) and wide area network (WAN) optimized replication for on-premise and off-premise data protection. You get built-in 128-bit Secure Sockets Layer (SSL) encryption across the network for security without the need for a virtual private network (VPN) or IPsec tunnel. In addition, you now get to use the Amazon cloud (Amazon Web Services (AWS) and Amazon Elastic Compute Cloud (Amazon EC2)) for Windows-based systems, applications and data protection. CA ARCserve Replication is the perfect tool to migrate backup data off-site for disaster recovery, or copy data from remote offices to a secure, central location where trained IT personnel can perform backup. In addition to bandwidth throttling, you may choose between continuous, scheduled/periodic and ad-hoc replication processing to help balance your network resources and protection requirements.

CA ARCserve Replication synchronizes your data and then replicates all ongoing changes from your Production server to a Replica server that can be located at the same site or at any remote location regardless of distance. It provides application-aware replication for automated configuration and transactional integrity for applications such as Microsoft Exchange, Microsoft SQL Server, Microsoft SharePoint, Internet Information Services (IIS), Microsoft Dynamics CRM, Oracle and BlackBerry—all through a unified, web-based 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 other Linux and UNIX applications via a simple script.



CA ARCserve Replication’s Data Rewind feature provides integrated Continuous Data Protection (CDP) technology that complements your periodic backups. It delivers fast recovery—helping you to meet even your most aggressive recovery point objectives (RPOs) and recovery time objectives (RTOs).

CA ARCserve Replication includes CA ARCserve® Assured Recovery® for automated, non-disruptive recovery testing of Windows Server environments. This enables you to schedule “lights-out” periodic testing of your failover environment without disrupting the production environment or ongoing replication and CDP protection. You can capture your testing history in a report for auditing. CA ARCserve Assured Recovery also includes VSS Snapshot management on the Replica server. This means that you may take a snapshot immediately after testing and then run backup off the Replica server for application-consistent, non-disruptive backup, helping you to overcome backup window constraints

So many virtualization options in one place! CA ARCserve Replication is used to protect systems and data on both physical and virtual servers, including VMware ESX and VMware vSphere with VM-level protection. Microsoft Hyper-V users get both hypervisor and guest-level protection, and Citrix XenServer users get guest-level protection. You may also use any of these virtual servers for your Replica servers to help further reduce DR costs. CA ARCserve Replication enables physical-to-physical (P2P), physical-to-virtual (P2V), virtual-to-physical (V2P) and virtual-to-virtual (V2V) replication and migration, and helps to speed and ease the process.

Being storage-independent means that your data is protected whatever type of storage you use: direct attached storage (DAS), network attached storage (NAS) and storage area network (SAN). It also means that no matter what storage you use for your production environment, you may use whatever storage vendor and device you want for your Replica servers, helping to reduce data protection and DR costs further.

Whether you protect a single server, a server farm or cluster or thousands of distributed servers, CA ARCserve Replication scales to meet your needs, protecting your investment for the long term. It helps you to mitigate the risk of loss of sales, service, support, operations and productivity caused by data loss or damage, as well as unexpected man-made and natural disasters. In addition, using a web-based, centralized management console means that deployment, management, maintenance and reporting couldn't be easier.

For bandwidth-constrained and high-latency networks, CA ARCserve Replication provides WAN optimization features including compression, bandwidth throttling, multi-stream replication, periodic replication and offline synchronization.

Don’t compromise! CA ARCserve Replication delivers continuous 24x7x365 data protection, not just once a day. Remote management enables fast and easy recovery no matter where you are. Bottom line, you get the control and flexibility that you need in today’s demanding environment.

CA ARCserve Replication delivers other core capabilities, including:

FULL SYSTEM REPLICATION replicates a Windows operating system, system state, application and data through physical-to-virtual and virtual-to-virtual replication to an offline local or remote Microsoft Hyper-V, VMware vSphere or Citrix XenServer virtual server to speed CA ARCserve Replication LAN deployment. This feature also makes physical-to-virtual server migration quick and easy.

AMAZON CLOUD (AWS/EC2) INTEGRATION enables the use of Amazon's data center and resources for your Replica servers. Cloud resources can help you replace capital expenditure (CAPEX) with operational expenditure (OPEX) while benefiting from using a remote site with a defined service-level agreement for disaster recovery.

SECURE COMMUNICATION provides 128-bit SSL encryption across the network without the need for a VPN or IPsec tunnel, thereby reducing cost and complexity.

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

NETWORK ADDRESS TRANSLATION (NAT) SUPPORT enables continuous and scheduled remote replication in NAT environments. This enables replication from behind the firewall to a remote site or MSP facility without requiring a virtual private network (VPN) which helps reduce cost while maintaining security.

Customers worldwide use CA ARCserve Replication to aggregate data from remote offices to a central location to perform centralized, secure backups. This eliminates the pain of performing individual remote office backups as well as the need for physical media rotation for disaster recovery (DR). With this strategy, you can also eliminate your backup window constraints because backups are performed at the replica site instead of on the remote office servers. Alternatively, it is possible to perform disk-based backups in remote offices and then replicate them off-site for disaster recovery.

****If you require server monitoring with automatic failover and end-user redirection for high availability to reduce system downtime in addition to the data protection capabilities that CA ARCserve Replication provides, take a look at CA ARCserve® High Availability.***

New Features in CA ARCserve Replication r16.5

- Now you can replicate backups offsite, perform continuous data protection and achieve high availability of your Windows Server 2012 environments. And don't forget you get Linux and UNIX support too!
- Protect the cost-savings benefits you achieved by virtualizing in the first place with a single solution for replication and high availability of physical and virtual environments including Hyper-V 3.0.
- Gain more flexibility and a higher level of protection with Cascading High Availability where you can configure a failover scenario to more than one replica server. This is especially useful when designing a combined local and remote failover strategy, and when combining local and remote/MSP resources.
- For improved disaster recovery, integration with CA ARCserve D2D Host-based VM Backup for VMware enables replication of host-level backups (all VMs) to any remote site.
- Achieve better SQL Server protection with SQL Server Filestreams support where all BLOB data is automatically discovered and replicated.
- Application-aware byte-level replication for Exchange 2013.
- Full System Protection for SharePoint 2013 servers/farms.

Bottom-line benefits

Leveraging CA ARCserve Replication helps to ensure the protection and availability of the databases and files on which your business or organization depends and provides the following benefits:

- Reducing data loss helps you maintain your sales momentum, customer service and support. This typically results in keeping executives, employees and investors happy, and keeping customers retained and satisfied.
- Continuous data protection helps you keep data and information accurate. It also reduces the manual data re-entry typically required after unplanned loss or damage.
- A single solution for Windows, Linux and UNIX; being hardware-independent; supporting multiple server virtualization platforms; and many-to-one replication all help your IT staff reduce training and costs.
- Centralized, unified and automated management means your IT staff can also support other important initiatives.

The CA ARCserve Advantage

CA ARCserve Replication delivers the data migration and continuous data protection capabilities needed to meet today's demanding SLAs and disaster recovery strategies.

Part of the ARCserve Family of Products

As a key component of the CA ARCserve Family of Products, CA ARCserve Replication delivers the functionality that complements any backup solution and helps you to reduce risk of data loss and address demanding disaster recovery needs. It is integrated with CA ARCserve Backup and CA ARCserve D2D so you can quickly and easily replicate backups offsite and to a public cloud for disaster recovery.

Take the next step.

To learn more – and for a free trial download – visit arcserve.com/software-trials.