



Server Migration

It organizations are faced with periodically deploying new servers and operating systems, and need a fast and easy way to do so. In many cases, organizations want to leverage new server and operating system technology for improved processing power, scalability and other reasons. The CA ARCserve Family of Products provides a variety of ways to move data and even entire systems more quickly and easily from old servers to new servers, including virtual servers. In this way, you can realize the benefits sooner rather than later.

CHALLENGES

Migrating from old servers to new servers and operating systems can be tough and time-consuming. In some cases, you may only be changing the server hardware, and other times, you may need to update both the hardware and operating system. Sometimes, IT may also choose server migration to upgrade applications and storage strategies. Then, you may want to migrate from physical to virtual servers. How can IT organizations speed and ease this process?

PRODUCT INFORMATION

With the CA ARCserve Family of Products, you can easily perform simple data migration from an old server to a new server. The CA ARCserve Family of Products can also help you to migrate complete operating systems, applications and data to new servers—all at one time. You also gain ways to significantly reduce backup storage costs, protect data between periodic backups, copy data off-site for disaster recovery and help to ensure continuous availability for critical servers and data.

BENEFITS

With the CA ARCserve Family of Products, IT organizations can speed server and data migration, enabling them to focus on other critical projects that help to grow the business. Along with server migration benefits, customers may be able to significantly cut backup storage requirements and costs by up to 95 percent, gain critical system insights to help avoid unplanned system outages and gain enhanced disaster recovery and high-availability capabilities. In this way, customers can minimize the risk of data loss and system downtime.

Organizations have many options when they deploy new servers. In some cases, IT may choose to just deploy a new server and maintain the existing operating system and application. At other times, IT may decide to also upgrade the operating system and even application version. Some may choose to change their storage strategy, too—from direct attached storage (DAS) to network attached storage (NAS) or even storage area networks (SANs). Deploying new servers may be the best time to re-evaluate your system and data protection strategy. The server migration process is just the first step. Once you have deployed new servers, how can you address protection, recovery and availability of your systems, applications and data to meet demanding service-level agreements and disaster recovery strategies?

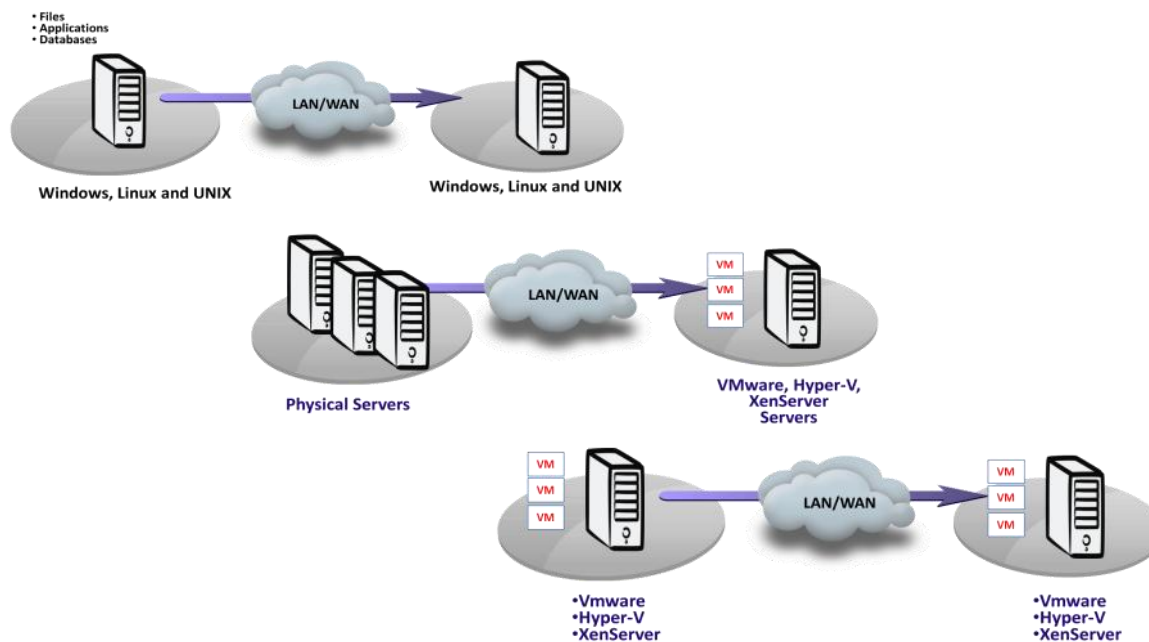
The solution: CA ARCserve Family of Products

The CA ARCserve Family of Products gives you control over your evolving business by delivering total protection, recovery and availability for your systems, applications and data. 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. You get a complete strategy to manage server migration, along with total backup, recovery and availability for both physical and virtual servers.

CA ARCserve® D2D provides a fast and easy way to migrate Windows®-based systems, applications and data from old to new servers, or from physical to virtual servers. Its bare-metal restore capability enables you to quickly and easily take a snapshot of an entire server by using Windows VSS Snapshot technology, and then restore that system snapshot to the physical or virtual server of your choice. CA ARCserve D2D can even help you to migrate from one virtual server platform to another—say, from VMware ESX or vSphere™ to Microsoft® Hyper-V™. Now, with CA ARCserve® Central Virtual Standby, you can migrate entire Windows Server® systems and data even faster and more easily.

CA ARCserve® Backup helps to speed the data migration process when performing Windows, Linux® and UNIX® server migration, through high-performance backup and restore. Data is simply backed up on the old server and restored to the new server. It also provides bare-metal restore to quickly migrate entire systems.

CA ARCserve® Replication includes full system replication to migrate Windows, Linux and UNIX data to physical and virtual servers. **CA ARCserve® High Availability** also offers full system replication and adds automatic and push-button failover to more easily move workloads and end users after migration—without any disruption to the production environment. Both of these products enable any migration: physical to physical (P2P), physical to virtual (P2V), virtual to virtual (V2V) and virtual to physical (V2P).



The CA ARCserve Family of Products helps to ease and speed physical-to-physical, physical-to-virtual, virtual-to-physical and virtual-to-virtual server migration

Overview of the CA ARCserve Family of Products

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 and simplify server migrations.

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. 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 Virtual Machine Disk (VMDK) or Microsoft Virtual Hard Disk (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 and simplified migration from a physical server environment to a virtual one.

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” and responds to issues at the server and application levels 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

The CA ARCserve Family of Products not only helps to ease and speed server migration, it is an industry-leading solution for backup, recovery, replication and high availability. Benefits include:

- Easier and faster P2P, P2V, V2V and V2P migration.
- Frequent, more efficient, faster backup and recovery.
- Continuous data protection to help keep data and information accurate, supporting regulatory compliance initiatives.
- High availability for systems, applications and data to minimize downtime that affects top and bottom lines.
- A single solution for 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 arcserve.com/partners to locate an authorized partner in your area.

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