

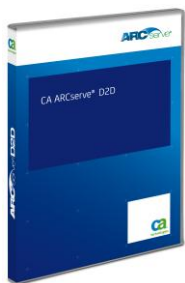
## Insert Graphic

## Welcome to CA

CA Technologies is an IT management software and solutions company with expertise across all IT environments – from mainframe and distributed, to virtual and cloud. CA Technologies manages and secures IT environments and enables customers to deliver more flexible IT services. CA Technologies innovative products and services provide the insight and control essential for IT organizations to power business agility.

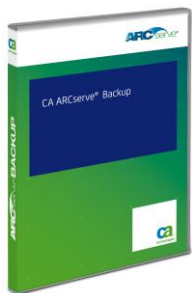
The CA ARCserve r16 Family of Products gives customers control over their evolving business by delivering total protection, recovery and availability for data centers, remote office servers, applications and data. It is the only solution that offers a full range of products from Bare Metal Restore to fully automated failover for High Availability. ARCserve r16 provides a complete strategy to manage backup, recovery and availability across diverse platforms, applications and storage devices.

## CA ARCserve r16 Family of Products



ARCserve D2D provides fast and easy backup to disk and is the only Windows-based solution that offers infinite incremental backups and bare metal restore to dissimilar hardware. This new backup methodology significantly reduces backup and restore times and eliminates the inherent risks of tape devices and media. It also enables faster and granular recovery points which speeds data recovery, either from local data on disk or remote data stored in the cloud.

Now available for Laptops and Desktops.



ARCserve Backup offers simple centralised management across your entire infrastructure and provides backup to disk, tape and cloud and includes built in data deduplication at no additional cost – which can reduce storage requirements by up to 95%. A built-in dashboard with SRM reporting and infrastructure visualization capabilities monitor your backups and IT infrastructure resources to help avoid unplanned disruptions and outages.



ARCserve Replication and High Availability provide easy data migration, continuous data protection and faster system and data recovery onsite, offsite and in the Amazon Cloud. Offline synchronization, non disruptive DR testing and data rewind capabilities ensure that both your virtual and physical environments are kept protected and available.

## New! CA ARCserve Central Applications

- **CA ARCserve Central Protection Manager:** Delivers a single web-based console for centralised view and management of all CA ARCserve D2D-protected servers and workstations.
- **CA ARCserve Central Reporting:** Provides a centralised view, administration, and reporting on all CA ARCserve Backup and CA ARCserve D2D-managed devices, settings, and policies running on and off premise.
- **CA ARCserve Central Host-Based VM Backup:** Enables granular recovery of files and folders from each individual VM, providing restoration of supported applications running within a VM and simplifying protection and recovery of virtual servers – all without requiring CA ARCserve D2D to be installed on each VM.
- **CA ARCserve Central Virtual Standby:** Converts CA ARCserve D2D recovery points to VMware Virtual Disk or Microsoft Virtual Hard Disk formats on a regularly scheduled basis for immediate recovery as a VM in the event of a system outage. It also enables physical to virtual and virtual to virtual migration and creates copies of VMs that can be used for pre-production deployment, software installation and upgrade testing.

## New! CA ARCserve D2D on demand

CA ARCserve D2D on Demand is an on-premise and cloud hybrid data protection solution that decreases risk in the event of a disaster by protecting your data and providing efficient recovery of lost or deleted data, including Windows® Azure™ cloud storage for secure off-site data protection and disaster recovery. CA Technologies and Microsoft can help you meet your recovery point and recovery time objectives, while saving you money and providing you the flexibility of a “software as a service” (SaaS) offering.

CA Technologies is pleased to provide prospective customers with early access to a pre-release trial of CA ARCserve D2D on Demand. Beta participants have a unique opportunity to share their feedback with the CA Technologies Research & Development teams and to win great prizes. Contact your Account Manager for more details.



## CA ARCserve Backup r16

CA ARCserve Backup goes beyond backup, giving you highly reliable data protection with centralised management regardless of the complexity of your data or IT infrastructure. We've taken our world-class, patent-pending data deduplication technology and added backup copy to cloud storage; synthetic full backups; granular restore of applications such as Active Directory, Microsoft Exchange and Microsoft Sharepoint; Infrastructure Visualisation; and archiving—for both physical and virtual servers.

Combine that with new storage resource manager (SRM) reporting capabilities and dashboard features that enable you to monitor your physical and virtual servers at a glance. In this way, you can spend your time on more pressing issues such as growing your business.

CA ARCserve Backup supports Windows, Unix and Linux environments. Its modular architecture enables you to start small and grow as you need to, adding modules or technology without having to learn a new product or buy another solution.

### New Features in r16

- **ARCHIVE DATA TO DISK, TAPE, OR CLOUD** to reduce data being backed up. This results in reduced backup windows, network traffic and storage management costs.
- **INTEGRATED BACKUP COPY TO CLOUD STORAGE** migrate backup data to public or private cloud storage as part of a disk-to-disk-to-cloud (D2D2C) backup policy for additional storage or recovery location.
- **SNAPSHOT AND FILE-LEVEL BACKUP INTEGRATION** reduce risk and improve recovery times by using a combination of snapshot-based backups (ARCserve D2D) and traditional file-based backups (ARCserve Backup) that populate a single backup catalog for quick and easy restore anywhere. All backups are monitored via a single console window.
- **SYNTHETIC FULL BACKUP** performs a full backup, after which incremental backups are synthesized to create a full backup of the data as it originally appeared at the recovery point. This enables you to recover as if each backup was a full backup, resulting in faster and easier recovery of data.
- **MIGRATE ARCSERVE D2D BACKUPS TO TAPE VIA THE ARCSERVE BACKUP CONSOLE** - Clone ARCserve D2D backups to tape media catalog with ARCserve Backup and enable recovery via the ARCserve Backup console to provide long-term off-site storage for ARCserve D2D backups and single point of management.
- **DISASTER RECOVERY OPTION BASED ON WINDOWS PREINSTALLATION ENVIRONMENT (WINPE)** a standardized, easy-to-use bare metal restore process across various Windows platforms simplifies and speeds the recovery process.

- **ENHANCED TAPE MANAGEMENT** provides expanded functionality, improves scheduling of backup jobs while at the same time allowing more efficient use of backup media via better append and rotation rules.

# CA ARCserve®

## D2D r16

### Infinite Possibilities



## CA ARCserve D2D r16

CA ARCserve D2D is a disk-based recovery product that simplifies recovering data. It offers a single-snapshot backup and recovery solution in a cost-effective, easy-to-manage package. It is the only product that has bare-metal restore to dissimilar hardware and block-level infinite, incremental snapshots, based on patent-pending I<sup>2</sup> technology in one package. Like data deduplication, I<sup>2</sup> technology will drastically reduce your backup window, network traffic and disk storage and load on your production applications.

CA ARCserve D2D is a perfect fit for either a first backup system or a solution that provides additional data protection. It offers faster backups and integrated access to off-premise cloud storage for your physical and virtual servers as well as for your laptop and desktop workstations.

New centralised deployment, management and reporting simplify management while host-based VMware backup and virtual standby capabilities offer reduced risk and faster recovery.

### New Features in r16

- **INTEGRATED ACCESS TO CLOUD STORAGE** easily enables you to take advantage of Cloud services for remote, off-site protection, archiving or additional storage capacity. Gain the flexibility of cloud services for your data protection and take advantage of operational budget instead of capital budget.
- **GRANULAR MAILBOX RECOVERY** provides recovery of individual Microsoft Exchange emails, attachments, files and folders from a single-pass backup.
- **LAPTOP/DESKTOP PROTECTION** avoid the cost of downtime with the same protection you use with your servers – infinite incremental snapshot backups and bare metal restore for your laptops and desktops.
- **BACKUP THROTTLING** provides the ability to balance system usage by rationing allocation of resources for backup.
- **ENCRYPTION** advanced encryption ensures the privacy of your data, no matter where it is stored.
- **WINDOWS® EXPLORER SHELL INTEGRATION** navigates recovery points directly from Windows Explorer. Copy and paste, drag and drop, scan, and open files just as you're accustomed to doing with Windows Explorer.

### NEW - CA ARCSERVE D2D for LAPTOPS AND DESKTOPS

Avoid the cost of downtime with the same protection you use with your servers – infinite incremental snapshot backups and bare metal restore for your laptops and desktops.

## New CA ARCserve Central Applications

Offers flexibility to easily integrate new capabilities across the CA ARCserve Family of Products and add functionality for improved recovery time, reduced IT management workload and enhanced backup of virtualized servers.

- **CA ARCSERVE CENTRAL PROTECTION MANAGER** Provides a single web-based console for a centralised view and management of all servers and workstations protected by CA ARCserve D2D. It includes automated Active Directory discovery, remote deployment, simplified policy-based administration, Storage Resource Manager (SRM) reporting, status, grouping, search and restore, basic workflow and event logging.
- **CA ARCSERVE CENTRAL REPORTING** Provides a centralised view, administration and reporting on all devices, settings and policies running on-premise and off premise that are protected by CA ARCserve Backup and CA ARCserve D2D. It gives detailed reports, as well as a rollup Dashboard report view, so you can easily understand what is happening across your environment.
- **CA ARCSERVE CENTRAL HOST-BASED VM BACKUP** Uses a single copy of 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 uses the VMware vSphere Changed Block Tracking (CBT) feature to capture the changes since the last backup and enables recovery of the entire virtual guest, or granular recovery of files and folders from each VM. It can also restore supported applications running within a VM.
- **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 virtual servers. It automatically pre registers each recovery point with the hypervisor for immediate recovery as a VM if a system outage occurs. In addition, it enables physical-to-virtual and virtual-to-virtual migration. Copies of VMs can be used for pre-flight deployment, software installations and upgrade testing when desired.

# CA ARCserve® High Availability r16

Infinite Possibilities



## CA ARCserve High Availability r16

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.

Whether you protect a single server or thousands of servers, you get system scalability that grows with your business.

## New Features in r16

- **FULL SYSTEM HIGH AVAILABILITY** replicates a complete Windows based system including the operating system, system state, application and data to an offline Replica server running VMware vSphere, Microsoft Hyper V Server or Citrix XenServer. Includes monitoring and automated and push-button failover for high availability.
- **AMAZON CLOUD (AWS/EC2) INTEGRATION** enables the use of Amazon's data center and resources for the replica server to replace capital expenditure with operational expenditure while benefiting from having a remote site with defined service level agreement for disaster recovery. Supports Windows Server 2003 32/64-bit and Windows Server 2008 R2 64-bit.
- **MICROSOFT WINDOWS SERVER 2008 FAILOVER CLUSTER SUPPORT** complements a Windows Server failover cluster with data replication to any local or remote site, regardless of distance, for DR. Provides the data-mover capability for remote replication and helps to eliminate storage as a single point of failure. Integration with Microsoft System Center Operations Manager makes management faster and easier.
- **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.
- **VMWARE VCENTER SERVER V4 SUPPORT** provides replication and failover for the VMware management system.



## CA ARCserve Replication r16

CA ARCserve Replication, formerly known as CA XOsoft Replication, provides continuous, scheduled and ad-hoc replication to help you to balance network utilisation and required data protection. Combined with its Data Rewind feature, you can more quickly recover from accidental and malicious data loss and damage, as well as site loss due to manmade and natural disasters.

One-to-one, many-to-one and one-to-many replication provides greater flexibility and helps to reduce DR costs. CA ARCserve Replication provides centralised management, supports Windows, Linux and UNIX servers, applications and data on both physical and virtualised servers and complements whatever backup solution you use.

ARCserve Replication r16 offers broader support and includes key new features to improve overall protection, security and flexibility to deliver the agility that your organisation needs today.

- **FULL SYSTEM REPLICATION** replicates a complete Windows-based system including the operating system, system state, application and data to an offline Replica server running VMware vSphere, Microsoft Hyper-V Server or Citrix XenServer. Enables fast and easy physical-to-virtual migration.
- **AMAZON CLOUD (AWS/EC2) INTEGRATION** enables the use of Amazon's data center and resources for the replica server to replace capital expenditure with operational expenditure while benefiting from having a remote site with defined service level agreement for disaster recovery. Supports Windows Server 2003 32/64-bit and Windows Server 2008 R2 64-bit.
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