CA ARCserve® Replication

KEEPING UP WITH YOUR COMPANY'S EVER-CHANGING BUSINESS ENVIRONMENT IS A CONSTANT CHALLENGE. FROM DEPLOYING NEW APPLICATIONS AND MIGRATING TO SERVER VIRTUALISATION, TO ADDRESSING MORE DEMANDING SERVICE LEVEL AGREEMENTS (SLAS) AND STRENGTHENING YOUR DISASTER RECOVERY PLAN, CA ARCSERVE® REPLICATION GIVES YOU CONTROL OVER CHANGING PEOPLE, POLICIES AND TECHNOLOGIES. DATA LOSS AND DAMAGE – WHETHER CAUSED BY USER OR ADMINISTRATOR ERROR, MALICIOUS ATTACK, FAILURE OF A CRITICAL SYSTEM, UNPLANNED OUTAGE OR NATURAL DISASTER – CAN DO IRREPARABLE DAMAGE TO YOUR ORGANISATION. TO THIS END, CA ARCSERVE REPLICATION SOFTWARE PROVIDES CONTINUOUS DATA PROTECTION THAT COMPLEMENTS ANY PERIODIC BACKUP SOLUTION TO HELP YOU MORE QUICKLY RECOVER FROM UNPLANNED DATA LOSS AND DAMAGE. CA ARCSERVE REPLICATION ALSO HELPS YOU MIGRATE DATA BETWEEN SERVERS AND LOCATIONS AND AIDS IN REMOTE OFFICE DATA PROTECTION.

OVERVIEW

Today, organisations need better data protection than backup and restore alone can offer. To meet demanding SLAs you need a better 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 site when physical media transport is not the best option for your business. CA ARCserve Replication promises an easy and effective way to aggregate data from remote offices for centralised, secure backups.

BENEFITS

CA ARCserve Replication software, formerly known as CA XOsoft™ Replication, gives you more control by providing easy data migration and continuous data protection for all your Windows, Linux and UNIX applications and file servers – all from a single, unified management console. It's an easy way to aggregate remote office data for centralised, secure backup in your data centre or DR site – eliminating backup window constraints – as backups are performed on the replica server.

THE CA ARCSERVE ADVANTAGE

CA ARCserve® Replication is the only host-based replication solution that can be used to protect Windows, Linux and UNIX environments. It includes many unique features such as a true, unified management console, continuous and periodic replication and offline synchronisation. Plus, integration with CA ARCserve Backup means total data protection, while easing management through a central point of view.

We go beyond Backup so your business can confidently drive beyond today

CA ARCserve Replication offers LAN and WAN replication for on-site and off-site data protection. It's the perfect tool to migrate backup data off-site or copy data from remote offices to a secure, central location where backup cannot be performed by trained IT personnel. Best of all, the product lets you choose between continuous, scheduled and ad hoc replication processing to help balance your network resources and protection requirements.

CA ARCserve Replication replicates your data and all ongoing changes from your production server to a replica server that can be located at the same site or across the globe at a distant remote location. It provides application-aware replication for automated configuration and transactional integrity for applications such as Exchange, SQL Server, SharePoint, IIS, Dynamics CRM, Oracle and Blackberry – all through a unified Web-based management console. Other applications can be protected with the creation of a simple script.

The product's Data Rewind feature provides integrated Continuous Data Protection (CDP) that complements periodic backup and delivers near-instantaneous recovery – helping you meet even your most aggressive recovery point objectives (RPOs) and recovery time objectives (RTOs).

Also included with CA ARCserve Replication, CA ARCserve Assured Recovery for automated, non-disruptive recovery testing of Windows environments enables you to schedule "lights-out" periodic testing of your failover environment – without disrupting the production environment or ongoing replication and CDP protection. Your testing history can be captured in a report for compliance auditing. Assured Recovery also includes VSS Snapshot management on the replica server so you may take a Snapshot immediately after testing. Then, it allows you to run backup off the replica server for application-consistent, non-disruptive backup that helps you overcome backup window constraints.

So many virtualisation options in one place! CA ARCserve Replication is used to protect data on both physical and virtual servers, including VMware Infrastructure and vSphere with VM-level protection. Microsoft Hyper-V users get both Hypervisor and Guest-level protection and Citrix XenServer users get VM-level protection. You may also use any virtual servers for your replica servers to help further reduce costs. It enables physical to physical (P2P), physical to virtual (P2V) and virtual to virtual (V2V) replication.

Being storage independent means your data is protected no matter where it's stored – DAS, NAS and 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 further reduce data protection and DR costs.

New Features

CA ARCserve Replication r15 provides unique functionality and eases management through the following new features:

MULTIPLE REPLICATION LEVELS offers continuous, scheduled and ad hoc replication to help balance network resources and the required level of protection.

OFFLINE SYNCHRONISATION provides an alternative to LAN/WAN synchronisation to more easily transfer large Windows data sets and databases to shorten time-to-protection without impacting network resources. Allows physical transportation of a data copy while replication is under way.

NTFS SPARSE FILE SUPPORT allows replication of Windows-based compressed or deduplicated data without decompression, typically used to replicate deduplicated backup data over the WAN from remote offices to a central data centre, or used to replicate deduplicated backup data between data centres for off-site protection.

NEW APPLICATION SUPPORT delivers application-aware replication for Microsoft Exchange 2010 and Microsoft Dynamics CRM v4 environment including the Web front end, application and SQL server database.
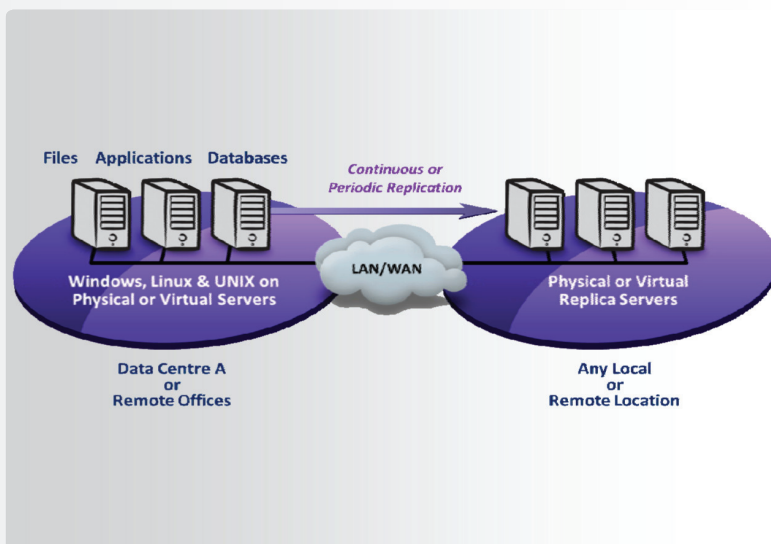
ENHANCED IIS SUPPORT now includes both data and metadata replication that typically contains Web-site configuration information, allowing for granular protection of individual Web sites.

LINUX/UNIX HARD LINKS SUPPORT recognises hard links to avoid redundant file replication, speeding replication and minimising network bandwidth needs and costs.

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

CA ARCSERVE REPLICATION makes copying or migrating data between servers or locations a simple breeze. Replication can be performed on a real-time continuous basis or scheduled to help you balance available network resources with the desired level of protection. It is also an ideal way to copy backups off-site for disaster recovery.

Thousands of customers use CA ARCserve Replication to aggregate data from remote offices to a central location to perform centralised, secure backups. This eliminates the hassle of performing individual remote office backups to tape and physical media rotation for disaster recovery. With this strategy you can also eliminate your backup window constraints as backups are performed off the replica server instead of the remote office servers. Alternatively, disk-based backups can be performed in remote offices and then replicated offsite for DR.

The bottom-line benefits

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

- Minimising data loss helps you maintain your sales momentum, customer service and support – which typically results in keeping executives, constituents and investors happy and keeping customers retained and satisfied.

- Continuous data protection helps you keep data and information accurate and aids your regulatory compliance initiatives.

- A single solution for Windows, Linux and UNIX; being hardware-independent; supporting server virtualisation; and many-to-one replication all help your IT staff reduce training and costs.

- Centralised, unified and automated management means your IT staff can focus more on growing the business.

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.

CA ARCserve Replication complements ANY backup solution and when combined with CA ARCserve® Backup or CA ARCserve® D2D, you get total data protection. CA ARCserve Replication is part of the CA ARCserve® Family of Products that together delivers total protection, recovery and availability of your systems, applications and data.

Supported Platforms

CA ARCserve Replication supports a wide range of operating systems and virtualisation platforms.

- Microsoft Windows Server 2003, 2008 and 2008R2 in Standard or Enterprise Edition (32-bit or 64-bit)
- Microsoft Windows SBS 2000, 2003 and 2008 in Standard or Premium Edition
- UNIX AIX 5.2, 5.3 6.1, Solaris 9, 10 , SPARC, Intel
- Linux RedHat 4,5, SuSE 9, 10
- VMware Virtual Infrastructure and vSphere
- Microsoft Hyper-V
- Citrix XenServer

Application-aware replication

Application-aware means auto-configuration for fast, easy deployment as well as transactional integrity during replication. CA ARCserve Replication features application-aware replication for:

- Microsoft File Services 2003 and 2008 in Standard or Enterprise Edition (32-bit or 64-bit)
- Microsoft Exchange Server 2003 2007, and 2010 in Standard or Enterprise Edition
- Microsoft SQL Server 2005 and 2008, and SQL Express 2005/MDAC
- Microsoft SharePoint Server 2007
- Microsoft IIS versions 6, 7, and 8
- Microsoft Dynamics CRM v4
- Blackberry Enterprise Servers (BES)
- Oracle 10g

Additional application support can be achieved through simple custom scripting

Next Steps

You know how critical your data is to the success of your business or organisation and how important it is to keep it available and reliable. CA ARCserve Replication offers powerful and flexible features to help safeguard your IT resources along with easy ways to deploy, manage and maintain this solution.

Learn more about how CA ARCserve Replication helps your organisation meet its data migration and protection needs by visiting arcserve.com/replication or contact your local reseller.

Try it now, visit arcserve.com/gb/trials

Take CA ARCserve Replication for a free test drive at arcserve.com/gb/trials.

More than Backup