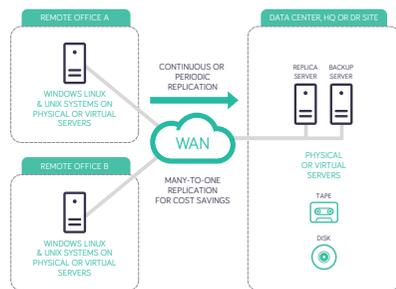


> Business Use Cases

REMOTE OFFICE DATA CONSOLIDATION

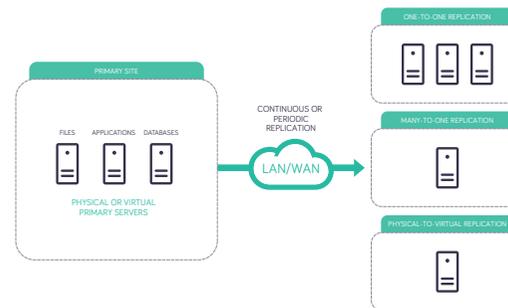


Remote and branch office data protection is often carried out by non-IT staff. Then, customers face physical tape shipping for off-site protection and security. This solution is time-consuming, costly and risky because tapes may be lost, damaged or stolen.

With Arcserve Replication, it is possible to replicate multiple servers from multiple locations back to a single Replica server at a disaster recovery (DR) site or headquarters (HQ) with built-in, 128-bit Secure Sockets Layer (SSL) encryption for security. This enables IT staff to regain control of data protection and reduces the risk of the task being done incorrectly or not at all. The IT department can also save money on backup tape transportation.

Backups can be done from the Replica server, eliminating backup window constraints. Data can then be recovered to either the Primary or Replica server.

DATA MIGRATION/DR OPTIONS

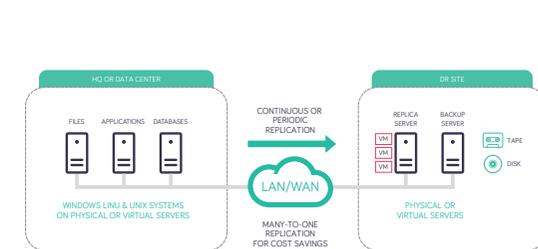


Bandwidth costs have been dropping significantly. It is easy to replicate data from an HQ to a remote DR site (or to the Amazon cloud (Amazon Web Services™ (AWS) and Amazon Elastic Compute Cloud (Amazon EC2)) and do away with costly and risky physical media transportation between sites. After the initial synchronization, Arcserve Replication only replicates the block-level changes to the data using 128-bit SSL encryption, so transmission is secure and impact to the wide area network (WAN) is minimal.

Arcserve Replication offers multiple replication options (continuous, periodic and ad-hoc) to enable customers to balance their network resources and the required level of data protection needed. It also includes network bandwidth testing and tuning.

Arcserve Replication supports one-to-one, many-to-one and one-to-many replication. It also provides physical-to-physical, physical-to-virtual and virtual-to-virtual replication.

REMOTE DR WITH NON-DISRUPTIVE BACKUP



Using Arcserve Replication to replicate data over the WAN to another site is an ideal way to reduce the cost and risk associated with physically transporting backup data media off-site every day.

It is then possible to perform backups at the remote/DR site for archival purposes right from the Replica server to avoid impacting the Production servers, and eliminate backup window constraints.

Alternatively, it is possible to perform backups locally and then replicate them off-site. Local disk-to-disk backups may be deduplicated because Arcserve Replication includes sparse file support to help eliminate redundant replication of data that has been deduplicated.

PROTECTING VIRTUALIZED SERVERS

If you are running your file or application servers on virtualized servers such as VMware ESX or vSphere™, Microsoft® Hyper-V™ or Citrix® XenServer, Arcserve Replication offers local area network (LAN) and WAN virtual-to-virtual and virtual-to-physical replication for on-site and off-site protection.

VMware users get VM-level replication while Hyper-V users get both hypervisor and guest-level replication. XenServer users get guest-level replication.

APPLICATION-AWARE PROTECTION

Arcserve Replication provides application-aware support for Microsoft Exchange, SQL Server®, SharePoint®, Internet Information Services (IIS) and Microsoft Dynamics CRM, as well as Oracle and BlackBerry® Enterprise Server. Application-aware means auto-configuration during deployment and delivers transactional integrity for replication. You may also protect Windows®, Linux® and UNIX® file servers. Other third-party applications may be protected by using the Custom Application Protection wizard or by creating a simple script. In addition, Arcserve Replication includes Data Rewind for CDP, which provides fast, granular recovery after data loss.

KEY NEW FEATURES IN R16

Arcserve Replication r16 provides new functionality that expands its value to you and offers additional flexibility and security through the following new features.

FULL SYSTEM REPLICATION replicates the 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 and Citrix XenServer virtual server. This feature also makes physical-to-virtual migration quick and easy.

REPLICATION TO THE AMAZON CLOUD (AWS/ Amazon EC2) 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. This feature works with most editions of Windows Server®. See the Supported Platforms list for details.

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

WINDOWS SERVER 2008 FAILOVER CLUSTER SUPPORT complements a Windows failover cluster with replication to any local or remote site, regardless of distance, for disaster recovery. It also provides the data-mover capability and helps to eliminate storage as a single point of failure. Integration with Microsoft System Center Operations Manager makes management faster and easier.

VMWARE VCENTER™ SERVER V4 SUPPORT provides replication of the VMware management system for faster recovery

LICENSING

In general, each primary physical server or virtual machine being protected, as well as each Replica server or Replica virtual machine, requires a Arcserve Replication license.

Licensing is based on the type of operating system and level running on both the Production and Replica servers. Virtual server licensing is discounted and helps to reduce licensing costs.

Many-to-one replication deployments will lower licensing costs because there is only one Replica server.

For pricing, contact a CA Reseller Partner or visit arcserve.com for more details .

FOR MORE INFORMATION

For more information on Arcserve Replication visit arcserve.com/replication. To find a local CA Partner in your area, visit arcserve.com/partners-info.

TRY IT NOW

Take Arcserve Replication for a free 30-day test drive by visiting arcserve.com/software-trials.