



System Recovery Options

With the CA ARCserve® Family of Products r16, companies have more choices and more flexibility than ever before when designing their system protection and recovery strategies. So how do you choose the right solution? It depends on your recovery point and recovery time requirements, deployment strategy, budget and environment.

The main question to ask is: What recovery time objectives (RTOs) and recovery point objectives (RPOs) are needed? Some systems, applications and data are more critical than others and demand faster recovery time and better recovery points.

CA ARCserve D2D is a disk-based backup solution for Windows®-based servers that includes bare-metal restore for system recovery. CA ARCserve D2D offers infinite, incremental, snapshot-based backups that may be performed as often as every 15 minutes, so your recovery point is a minimum of 15 minutes. Once you perform your incremental backups, you can perform bare-metal restore to the same or dissimilar hardware, whether physical or virtual, and reduce system recovery time to less than one hour in many cases.

CA ARCserve D2D **combined** with CA ARCserve Central Virtual Standby provides automated system and data recovery to a standby virtual server. CA ARCserve Central Virtual Standby converts CA ARCserve D2D backups to a virtual format, copies them to the hypervisor server and pre-registers them with the hypervisor, resulting in near-instantaneous recovery after server failure. CA ARCserve Central Virtual Standby performs “is-alive” monitoring of your server and enables manual or automatic failover to the standby virtual server after an unplanned outage. CA ARCserve Central Virtual Standby is designed for deployment where the standby virtual server is located on the local area network (LAN) with the Production server.

CA ARCserve High Availability provides continuous protection for Windows, Linux® and UNIX® systems, capturing every transaction and change in real time, which delivers the best recovery point objective. CA ARCserve High Availability provides both system and application monitoring with automatic application restart and automatic and push-button failover with end-user redirection to a Replica server if the system or application fails, offering the fastest recovery time of all the solutions. CA ARCserve High Availability also provides push-button fallback after you repair or replace your original Production server and includes other key features such as wide area network (WAN) optimization for remote deployment, Data Rewind for Continuous Data Protection (CDP) and automated, non-disruptive recovery testing. The CA ARCserve High Availability Replica server can be a physical or virtual server that is deployed on the LAN, across the WAN at any remote site and even in a private or public cloud such as Amazon Web Services™ (AWS) and Amazon Elastic Compute Cloud (Amazon EC2).

Product	RPO	RTO	Monitoring	Standby/Replica Server Location
CA ARCserve D2D bare-metal restore	15 min or more	Under one hour	N/A	LAN, WAN and disaster recovery site
CA ARCserve D2D with CA ARCserve Central Virtual Standby	15 min or more	Near instantaneous	System	LAN
CA ARCserve High Availability	Last transaction (or last write to disk)	Immediate failover	System and application	LAN, WAN, disaster recovery site and the cloud

Now you have the information and flexibility that you need to decide which solution is best both for your environment and for system and data protection and recovery requirements. You can find more information about CA ARCserve High Availability, CA ARCserve D2D and CA ARCserve Central Virtual Standby at arcsolve.com/products.

To try the CA ARCserve Family of Products now, visit arcsolve.com/software-trials.