

arcserve®

UNIFIED

next generation architecture created to safeguard

DATA

in virtual & physical environments to deliver comprehensive

PROTECTION

UNIFIED DATA PROTECTION
SOLUTION BRIEF

> CA arcserve UDP

Fueled by data growth and technology advancements such as virtualization, current data protection architectures come up short in a number of areas and essentially perpetuate data protection islands or silos. Today's IT is about the interdependence of its systems and applications in the context of service delivery. Understanding and proving that you can recover in a business-reasonable amount of time with a business-acceptable currency of data is crucial. Metrics such as Recovery Point Objective (RPO) and Recovery Time Objective (RTO) have become synonymous with business availability. Current architectures make overall poor use of their resources due to a lack of ability to measure, process inefficiencies, obsolete solutions with expensive licensing, or niche data protection solutions that only compound the problem by adding complexity on top of complexity. Until now.

A fundamental change is necessary to fix data protection. It requires the adoption of a modern architecture that has been designed to solve today's complex problems, as well as provide a highly scalable platform for the future. That's why we designed CA arcserve® Unified Data Protection.

CA arcserve UDP is a new CA arcserve solution yet built on the foundation of very mature and proven CA arcserve technology, offering a seamless solution from endpoint protection, to remote archive site.

CA arcserve UDP delivers comprehensive Assured Recovery™ for virtual and physical environments with a next generation unified architecture and an unmatched ease of use. This feature-rich solution allows users to easily scale, while delivering against their recovery point and recovery time objectives. Traditional, overly complex backup policies are replaced by modern task-based data protection plans and deep integration with hypervisors that fully automate complex, mundane, repetitive tasks.

CA arcserve UDP is the first solution to combine industry-proven backup, replication, high availability and true global de-duplication technologies within one solution and, unlike competitive products, is easy to deploy.

CA arcserve UDP brings to the market the first easy-to-use and deploy unified data protection, recovery and availability solution, for on-premise, off-premise use, or in the cloud. Customers can scale and add features as their requirements or deployments evolve. The ease of use and deployment of the solution, combined with enterprise-level capabilities, makes advanced data protection, recovery and availability a much simpler objective to achieve than in the past, relieving them of the complexity created by multiple point solutions. This places customers in the driver's seat to truly measure, manage and control RPO and RTOs. The next generation unified architecture of CA arcserve UDP makes it easy for mid-market customers to start small and add capabilities beyond traditional backup as they grow: replication, high availability or advanced virtualization protection and recovery support.

> Re-inventing data protection: CA arcserve UDP

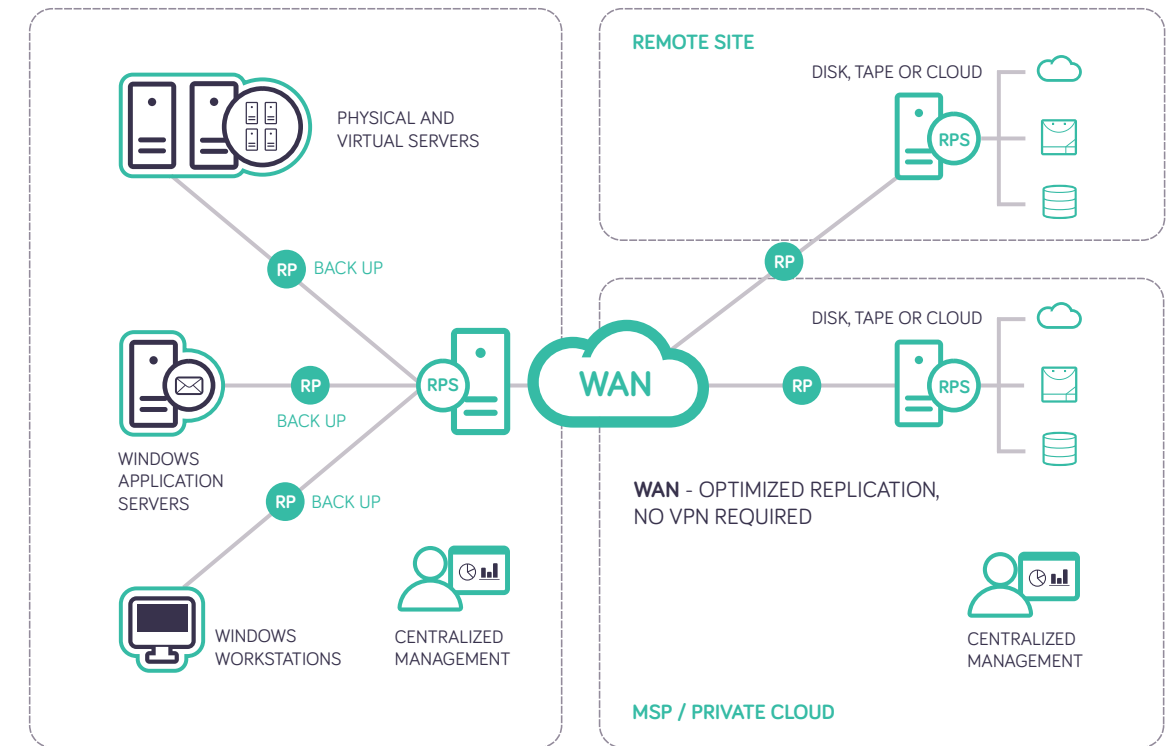
CA arcserve UDP combines industry-proven image backup, tape, replication, high availability and true global de-duplication technologies within one, simple solution. It is a next generation architecture that delivers comprehensive Assured Recovery capabilities with unmatched ease of use. Innovative technologies include a new unified, scale-out architecture, simple task-based data protection plans, Assured Recovery capabilities and true global deduplication.

Operational Benefits	Capabilities and Features
Unified Solution	<ul style="list-style-type: none"> Unified architecture for image backup, Infinite Incremental (I2 Technology™), bare metal restore, high availability, replication, tape, cloud, virtual. Usability: One UI, all core data protection technologies unified under one management console
Ease of Use	<ul style="list-style-type: none"> Wizard driven enterprise-class protection Task-based "data protection plans" Purchasing, deploying, licensing, configuring
Automated DR/ Assured Recovery - Recovery Point and Time Assurance	<ul style="list-style-type: none"> Automated disaster recovery testing of business-critical systems, applications and data, on a separate, replica server. Non-disruptive DR testing process avoids business downtime and impact to production systems Assured Recovery reporting provides evidence of system recoverability for compliance auditors
Continuous Availability	<ul style="list-style-type: none"> Continuous replication and full system HA of physical and virtual systems for Windows and Linux Protection of the hypervisor environment itself Application level failover and fallback P2V, V2P, P2P

Breadth or Enterprise Class for Virtual and Physical	<ul style="list-style-type: none"> Platform support (Windows and Linux) Agentless backup of VMware and Hyper-V VMs Near-instantaneous VM recovery (LAN & WAN) File level recovery of Linux nodes with Near-Agentless backups Physical and virtual Supports LAN/WAN/SAN/DAS/Cloud Technologies (Replication, HA, Imaging, Tape, SRM, Infrastructure visualization) Scale and performance Task-based data protection and availability plans Advanced scheduling
True Global Deduplication	<ul style="list-style-type: none"> True global deduplication across nodes, de-duplicated jobs and across sites In place re-hydration of data for fast granular restore (even tape) Client/Source-side: data is de-duped before transfer to target RPS. Saves bandwidth.
Services Oriented / Designed for MSPs	<ul style="list-style-type: none"> Single, web services-based management console to manage the entire CA arcserve UDP environment Multi-tenant storage Offline synchronization and automated, link-failure resistant resynchronization Compression and encryption Documented API and Log Schema
Tape Support	<ul style="list-style-type: none"> Integration of image-based or full system backups to tape One step file level restores from image-based backups from tape Re-hydration of server images on tape (No re-hydration of entire de-duplicated store on tape) Physical and virtual
Offsite Protection	<ul style="list-style-type: none"> Mature and secure Replication from one Recovery Point Server to another with WAN optimization Tape FSHA Cloud Connectors
Purchasing options (Licensing and Pricing Flexibility)	<ul style="list-style-type: none"> A la carte, suites (bundles), per machine, per socket, per host, capacity sold either perpetually or subscription-based

“ CA arcserve UDP brings to the market the first easy-to-use and deploy unified data protection, recovery & availability solution ”

CA arcserve UDP – a disaster recovery topology view



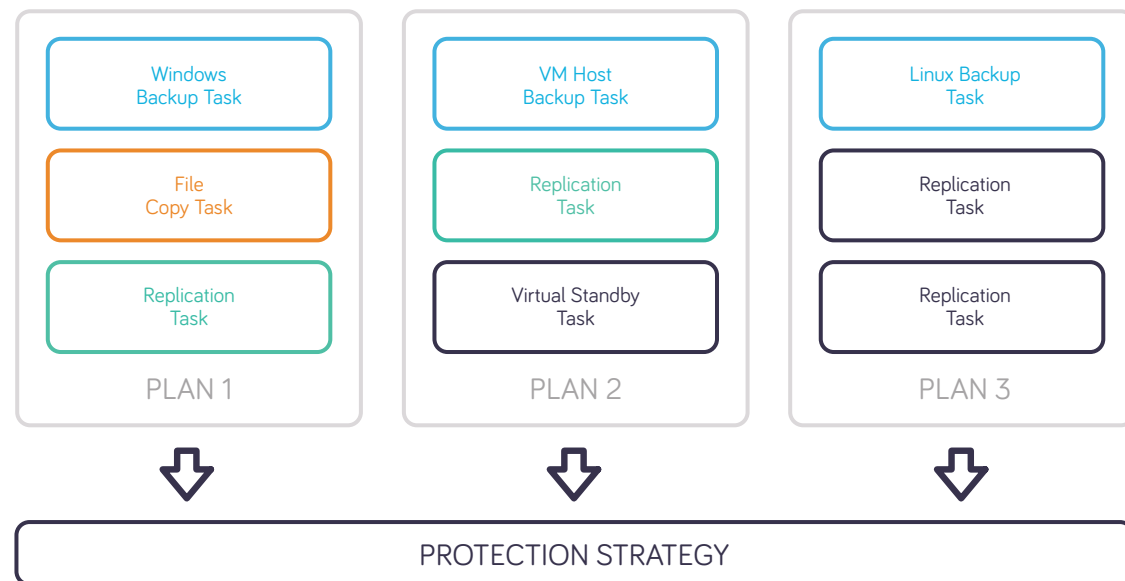
One unique capability enabled by CA arcserve UDP’s unified management console is the creation of task-based data protection and availability plans. When combined, the plans form the data protection and availability strategy of the organization.

With traditional data protection solutions, administrators are forced to protect highly complex environments by defining tasks using disjointed and ever-growing lists of backup, replication, and failover policies, often across multiple products or systems.

> Re-inventing data protection: CA arcserve UDP

In contrast, CA arcserve UDP data protection plans consist of a single management object that contains within it all of the data management actions and tasks needed to protect devices. These plans orchestrate a workflow of tasks that are user-customizable and can be applied to one or many nodes. The workflow enabled by the plans provides the ability to generate a full data protection lifecycle, one that can combine many advanced features such as offsite replication, high availability, and many more!

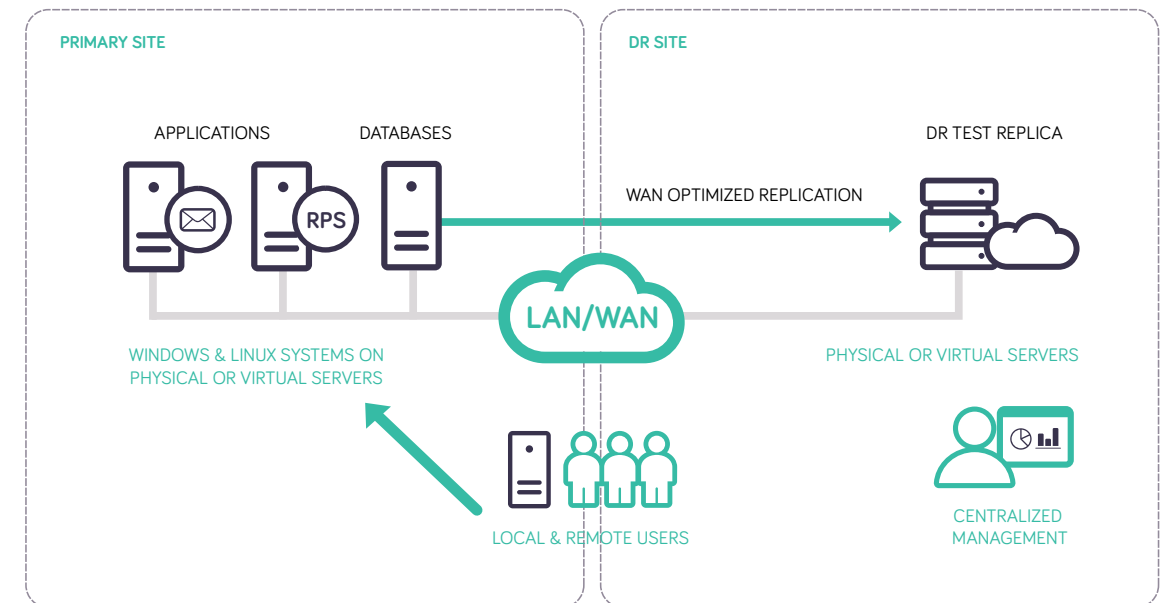
In essence, this allows users to create service level oriented plans or specific protection plans for nodes that share the same characteristics. With CA arcserve data protection plans, users can achieve the level of RTO/RPO granularity they need for each node, very granularly, quickly and easily. This is unique in the industry and sets CA arcserve UDP apart. The plans are akin to an "SLA dial" in many ways, where the user simply turns the dial to the level of RPO/RTO they require and the solution selects the most appropriate technology to deliver the desired result.



> Focus on Assured Recovery

CA arcserve UDP enables the automated disaster recovery testing of business-critical systems, applications and data, without business downtime, or impact to production systems.

- Enables automated disaster recovery testing of business-critical systems, applications and data on a separate replica server, which can be located at a remote recovery site, or hosting provider
- Non-disruptive DR testing process avoids business downtime and impact to production systems
- Recovery testing can be fully automated, or performed on a scheduled basis, as needed
- Assured Recovery reporting provides evidence of system recoverability for compliance auditors



> Re-inventing data protection: CA arcserve UDP

CA arcserve UDP Operational Benefits



Improved data and system protection, recovery and availability

- Unified architecture that brings together core data protection technologies under one console
- Feature-rich solution supporting a wide variety of environments
- Customized protection plans to meet specific data protection needs
- Advanced reporting



Improved capabilities to meet key data protection, recovery and availability SLAs

- Evolving from RPO/RTO to Recovery Point and Time Assurance
- Ability to test, measure and report recovery processes
- Service Level Agreements (SLAs)



Improved operational efficiency

- Administrators' efficiency is enhanced with our unified management console
- Ease of use and broad capabilities combine to enhance time to value
- Storage and network resources consumption mitigation



Improved business opportunities for MSPs

- Feature-rich solution with service provider-friendly API
- Scalable and flexible, to deliver on in-house or external SLAs
- Ease of deployment improving time to value
- MSP-designed reporting



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