

arcserve®

UNIFIED

next generation architecture created to safeguard

DATA

in virtual & physical environments to deliver comprehensive

PROTECTION

UNIFIED DATA PROTECTION
SOLUTION BRIEF

Arcserve® UDP

Fueled by data growth and technology advancements such as virtualization and cloud, 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 Arcserve® Unified Data Protection.

Arcserve delivers the only data protection solution suite to deliver enterprise-grade capabilities without the complexity often associated with enterprise solutions. With Arcserve Unified Data Protection (UDP), small and over-stretched IT teams safeguard cloud, virtual and physical data by protecting to and from any target, while configuring and managing all aspects of data protection through a single, elegantly simple user console. As business needs change or requirements evolve, IT teams easily turn on high-performance capabilities without burdensome forklift upgrades or layering on additional point solutions.

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.

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. Arcserve UDP was designed with the Cloud in mind and offers many capabilities for public and private cloud deployments.

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 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, recovery support, and cloud.

Arcserve UDP:

Enterprise power, small team simple

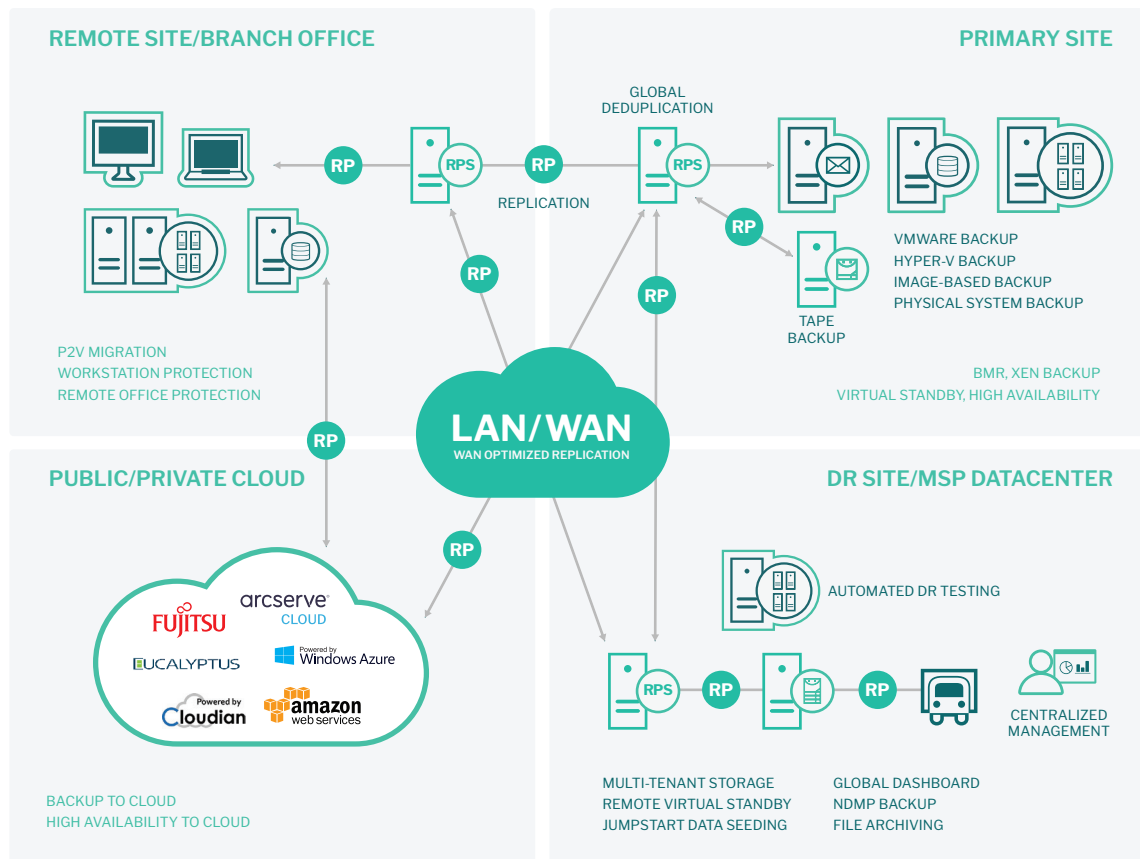
Arcserve UDP combines industry-proven image backup, tape, replication, high availability and true global deduplication technologies within one, simple solution. It is a next generation architecture that delivers comprehensive Assured Recovery capabilities with unmatched ease of use. Innovative technologies 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• On-premise, off-premise or in the cloud. Options include software, appliances, and private and public clouds, as well as the Arcserve Cloud Service |
| EASE OF USE | <ul style="list-style-type: none">• Unified product installer• Wizard driven enterprise-class protection• Task-based “data protection plans”• Purchasing, deploying, licensing, configuring• Reboot-less Agent deployment |
| CLOUD CAPABILITIES | <ul style="list-style-type: none">• Public Cloud support with advanced copy and Disaster Recovery capabilities• Arcserve Cloud: Disaster Recovery as a Service offering for UDP software or appliance customers• Private Cloud support |
| 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 (RPO and RTO reports) |
| 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 failback• 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 • Instant VM recovery (LAN & WAN) • File level recovery of Windows and Linux nodes • Physical and virtual • Instant Bare Metal Restore of Linux physical systems • 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 • Supports Clustered Shared Volume (CSV) for Microsoft Hyper-V Server 2012 R2 & 2012 • Exchange granular restore • Enterprise storage array snapshot support |
| 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 Arcserve UDP environment • Multi-tenant storage • Role-based administration • Command Line Interface (CLI) • 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 • Unified Tape Management module • 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 • Arcserve Cloud for long-term backup retention and DRaaS |
| 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 • Free, fully functional Workstation edition product for local and UNC (CIFS) backup target. Recovery Point Server (RPS) support with deduplication included as a 30 day trial. All other features continue after 30 days. |

“ Arcserve UDP brings
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Arcserve UDP – a disaster recovery topology view



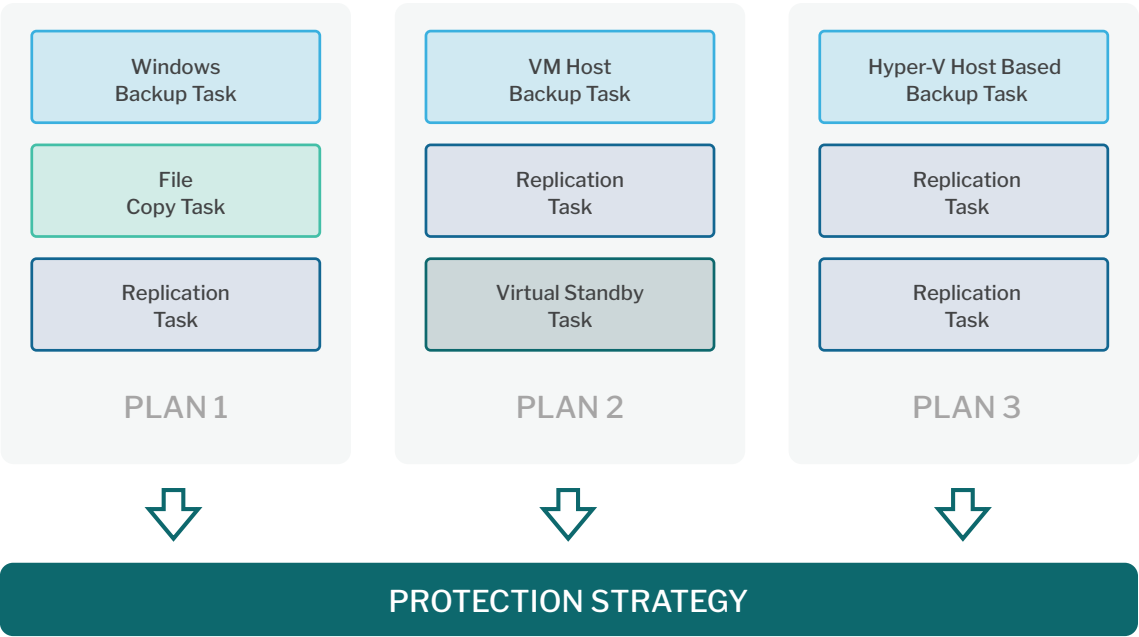
One unique capability enabled by Arcserve UDP's unified management console is the creation of task-based data protection and availability plans. When combined, the plans form the data protection and availability strategy of the organization.

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: Arcserve UDP

In contrast, 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 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 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

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
- RPO and RTO reporting are available as part of the solution (no extra module required)

Arcserve UDP New Features

The newest generation of Arcserve UDP further improves our channel partners and customers' ability to deliver higher operational efficiencies as they improve their RPOs and RTOs with a combination of innovative new features and enhancements. Users leverage expanded data protection capabilities for on-premise and cloud environments, including further integration into public cloud infrastructures for disaster recovery (DR). Reporting and orchestration is effortless with new and enhanced capabilities that enable more control over data protection processes. Arcserve offers several deployment modalities: software, appliances (Arcserve 8000 Appliance Series), and the Arcserve Cloud.

More Innovation and Control

- Exchange Online / Office 365 Protection to local backup of the Office 365 data, or to any cloud that supports the Arcserve UDP Recovery Point Server
- Backup from UNC Paths (CIFS protection) within the Arcserve UDP Console. (Plans support replication, Assured Recovery testing or copy to tape)
- Automatic protection of newly added VMs – VMware
- HW Snapshot support for Nimble Storage and HPE 3Par
- Automated testing for Windows and Linux ("Assured Recovery")
- Service Level Agreement reports for RTO and RPO

More Cloud

- Use AWS Cloud as a remote DR site
- Protect EC instance into AWS Cloud
- Virtual standby for Windows to Amazon AWS EC2
- Copy Recovery Point to Cloud (AWS S3)

Re-inventing data protection: Arcserve UDP

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
- Fast, flexible recovery options with Instant VM and Instant BMR
- Ability to test, measure and report recovery processes
- Service Level Agreements (SLAs)
- Advanced capabilities for public and private cloud deployments



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
- Single installation with Unified Product Installer
- Role-based administration
- Reboot-less Agent deployment



Advanced cloud support

- Disaster Recovery as a Service (DRaaS) option with the Arcserve Cloud
- Advanced capabilities in public cloud environments
- Also available for private cloud deployments or as a managed service through our partner network



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



A new Arcserve solution, yet built on the foundation of very mature and proven Arcserve technology





For more information on Arcserve, **please visit** [arcserve.com](https://www.arcserve.com)

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