> Introducing Arcserve® Unified Data Protection

Arcserve UDP is based on a next generation unified architecture for both virtual and physical environments. Its unmatched breadth, ease of use, and Assured Recovery™ capabilities set it apart from other data protection solutions. This unified solution offers innovative features such as:

- Unified management console for all data protection needs
- True global deduplication
- Very flexible yet powerful data protection and availability plans
- Agent-less backup for VMware & Hyper-V (Windows & Linux VMs)

- Support for physical systems (Windows & Linux)
- Built-in replication & high availability
- Migration of disk images to tape, with granular restore from disk or tape
- On-premise, off-premise or in the cloud. Options include private and public clouds, as well as the Arcserve Cloud Service

Arcserve UDP is a new solution yet built on the foundation of very mature and proven technology. It combines backup, replication, high availability and true global deduplication technologies within one solution. Arcserve UDP is easy to use and does not require expensive professional services to offer a seamless solution from endpoint to remote archive site.

Arcserve UDP helps organizations deliver on Recovery Time and Recovery Point Objectives (RPOs and RTOs) while helping to optimize their resources. It delivers a high level of flexibility to design a data protection strategy that fits unique needs, unifying data protection technologies in one solution. Its unified management console can manage and deploy across multiple sites, deliver agent-less backups of VMware\Hyper-V VMs, supports Windows and Linux physical machines as well as tape migration of disk images. Traditional, overly complex backup policies are replaced by modern task-based data protection plans and deep integration with hypervisors to fully automate complex, repetitive tasks.

Focus on Assured Recovery:

In combination with a broad set of features for deploying advanced data protection, recovery and availability strategies, Arcserve UDP enables the automated disaster recovery testing of business-critical systems, applications and data, without business downtime and impact to production systems.

Key Benefits – 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 help meet specific data protection needs
- Advanced reporting

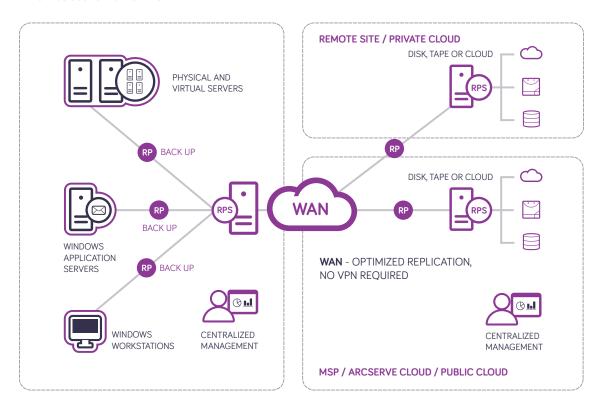**Improved capabilities to meet key data protection, recovery and availability SLAs**

- Evolving from RPO/RTO to Recovery Point and Time Assurance
- Fast, flexible recovery options with Virtual Standby and Bare Metal Restore
- Ability to test, measure and report recovery processes
- SLA compliance

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

Architectural Overview

Arcserve UDP allows users to easily scale their hybrid business continuity topologies, locally or over long distances with multiple sites, including service and cloud providers. At the heart of the architecture is the Recovery Point Server (RPS). Among the key features of RPS are a true global source-side deduplication engine, proven built-in replication, data "jumpStart" / data Seeding, multi-tenant storage, compression and AES encryption.

Arcserve UDP New Features

The next generation of Arcserve UDP introduces advanced new capabilities to enhance the usability and performance of UDP. Highlights include improved tape unification and ease of setup; faster, more flexible recovery options; Hypervisor, Windows and Linux-focused enhancements; improved management enhancements, and third-party integration improvements.

Improved Tape Unification and Ease of Setup

Arcserve UDP offers a Unified Tape Management module to allow users to directly manage the scheduling, monitoring and recovery point migration (archiving) to tape from within the UDP console.

For ease of setup and deployment, new getting started wizards are added to the UDP Console and Recovery Point Server (RPS).

Enjoy single installation with the new Unified Product Installer. Simply click the product features and capabilities you want and download in one easy step.

Faster, More Flexible Recovery Options

Arcserve UDP delivers more flexible recovery options, beginning with new enterprise storage array snapshot support to enable high performance, and low-impact snapshots of virtual and physical production servers.

New Instant VM enables fast recovery and power on of Windows and Linux virtual machines from UDP recovery points, and supports recovery from agent-based and agent-less backup for VMware, Hyper-V, virtual to virtual and virtual to physical restores.

Also new with UDP is Instant Bare Metal Restore (BMR). Instant BMR will enable local and remote bare metal recovery of Linux physical machines from within the UDP Console. This feature is ideal for MSPs and remote sites as it eliminates the need for physical access to the protected system or to boot into a local BMR environment.

The next generation of Arcserve UDP supports VMware vSphere® version 6, the newest edition of the industry-defining virtualization solution with more than 650 new features and innovations, including new Virtual Volumes (VVOL). VVOL's provide administrators with the ability to manage each VM as an individual entity, and allows them to modify its storage characteristics individually in line with changing business or operational requirements.

Windows and Linux Platform Enhancements

Arcserve UDP delivers the following Windows enhancements:

- Support for Windows 10, the latest Windows workstation release

- Support for Exchange 2016, the market-leading messaging solution

- New Exchange granular recovery to support recovery for non-email items (e.g. calendar, task, journal and public folders items) without having to restore the entire mailbox store

- Reboot-less Agent deployment to allow for fast deployment of Agents from the UDP console, without having to reboot production machines

- RPS File Copy enhancements to allow users to copy Windows files/folders from RPS to a public/private cloud. It can be used as an archiving solution and as a means to reduce storage on source node

Arcserve UDP adds Linux operating system support, including RHEL & CENTOS v7, Oracle Linux (RHEL compatible) and SLES 12. (Refer to Arcserve Software Compatibility Guide for complete list.)

Additionally it delivers new features to provide equivalent capability with Windows, including:

- File/folder level recovery of Linux VMs backed up via agent-less, host-based backups on vSphere and Hyper-V hosts

- Source-side backup and replication to RPS, or non-dedupe data store

- Merging of recovery points (infinite incremental backups)

- RPS to RPS replication

- Bare Metal Restore (BMR) of Unified Extensible Firmware Interface (UEFI) systems

- Archive to tape from RPS (no GRT from tape limitation)

- "Sudo" authentication for backup source to improve security

Management Enhancements and Third Party Integration

Arcserve UDP offers significant enhancements for MSPs and Administrators to improve deployment, management and third-party integration.

- Role-based administration to enable organizations to control reconfiguration and access to backup plans, nodes, data stores, restores, licensing, reporting, etc.

- WAN management improvements and reboot-less Agent deployment for easier deployment of nodes across a WAN without Network Address Translation (NAT) challenges

- New Command Line Interface (CLI) to allow for scripted management of UDP on Windows Core Server, which simplifies test automation and third-party integration

- Enhanced Agent and Console v2.0 APIs and DB Schema documentation allow third parties to more tightly integrate with Arcserve UDP

For more information on Arcserve UDP, **please visit Arcserve.com**

arcserve

UNIFIED DATA PROTECTION

NEW **ARCSERVE UDP** IS A NEXT-GENERATION UNIFIED ARCHITECTURE DATA PROTECTION SOLUTION. IT MEANS NOW YOU CAN SIMPLY FORGET ABOUT PHYSICAL BACKUP AND VIRTUAL BACKUP AND HIGH AVAILABILITY AND EXCHANGE BACKUP AND WINDOWS BACKUP AND LINUX BACKUP AND CLOUD-BASED BACKUP AND NAS/NDMP BACKUP AND DISK-BASED BACKUP AND UNIX BACKUP AND TAPE BACKUP (BREATHE) AND CITRIX XEN BACKUP AND SHAREPOINT BACKUP AND SQL BACKUP AND ORACLE BACKUP AND WORKSTATION & LAPTOP BACKUP AND BARE METAL RECOVERY AND DEDUPLICATION AND FILE ARCHIVING POINT SOLUTIONS AND **JUST** THINK ABOUT HOW GREAT LIFE CAN BE WHEN DATA PROTECTION SIMPLY **WORKS.**

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