

# Arcserve UDP

## Unified ransomware prevention and orchestrated recovery.

**Arcserve® Unified Data Protection (UDP)** delivers an all-in-one data and ransomware protection solution to neutralize ransomware attacks, restore data, and perform effective disaster recovery (DR).

Safeguarded by available Sophos Intercept X Advanced cybersecurity, Arcserve UDP uniquely combines deep learning server protection, immutable storage, and scalable onsite and offsite business continuity for a multi-layered approach that delivers complete IT resiliency for your virtual, physical, and cloud infrastructures.

Architected with cloud-native capabilities, Arcserve UDP integrates your on- and off-site backup and rapid restore with built-in cloud DR and backup to the Arcserve® Cloud, as well as to private and public clouds, including Amazon® AWS, Microsoft Azure®, Oracle Cloud®, Nutanix® Objects, and others.



*“With UDP, we have great data protection, increased uptime and peace of mind that we can recover data and servers quickly and efficiently”*

*- Robin Rohit, Head of Educational Technology Centre, Ibra College of Technology*

Eliminate the need for discrete products, and:

- **Prevent** ransomware attacks on critical disaster recovery infrastructure with Sophos Intercept X Advanced for Server.
- **Assure** immutability of data backups with support of Amazon AWS S3 Object Lock.
- **Safeguard** your systems and applications in cloud, virtual, and physical environments.
- **Scale** up, down, and out to the cloud on-demand, turning capabilities on and off without forklift upgrades.
- **Validate** your RTOs, RPOs, and SLAs with built-in Assured Recovery™ testing.
- **Amplify** storage efficiency by up to 20x with built-in global, source-side deduplication.
- **Reclaim** up to 50% more time to spend on strategic IT initiatives.<sup>1</sup>

**20X** Potential deduplication ratio

**35+** Years of experience protecting business data

**50%** Reduction in time spent managing data protection<sup>1</sup>



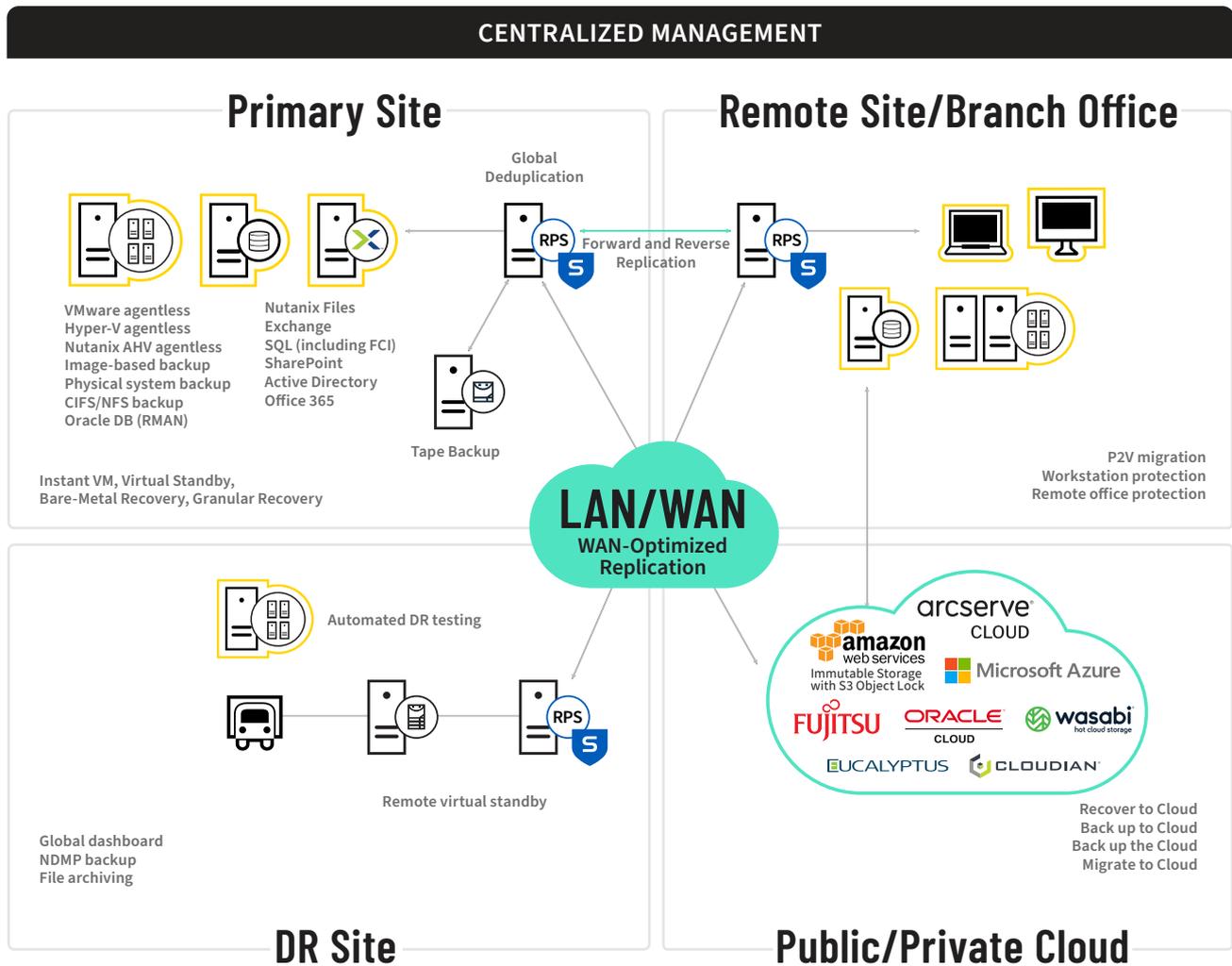
*“Arcserve UDP helps us protect our data, which is the lifeblood of the organization”*

*- Douglas Hughes, Systems Administrator, Grey Matter*

<sup>1</sup>November 2017 Arcserve Customers Survey



## How it Works



*“Arcserve UDP is freeing up eight hours of time each week, which can now be spent on better supporting users and increasing their productivity”*

- Menno Scheelings, ICT Coordinator, Luxaflex Benelux

## Key Features

### Prevent Ransomware Easily

- Implement secure backup and **orchestrated DR** for virtual, physical, and cloud Windows / Linux servers.
- *(New)* Protect Nutanix Hyperconverged Infrastructure with **Nutanix AHV, Files and Objects integration**, as well as **VMware, Hyper-V, RHEV, KVM, Citrix, and Xen VMs** with a selection of agentless and agent-based backups.
- *(New)* Back up and recover **Oracle Databases** with native RMAN integration, as well as already-supported **Microsoft SQL Server** (including FCI clusters), **Exchange, SharePoint, Active Directory, and Microsoft 365**.
- Safeguard **File Servers, NAS, SAN, UNIX, FreeBSD, AIX, HP-UX, Solaris, SAP R/3, SAP HANA**, and more, shielding them from ransomware, with Arcserve Backup, available with eligible Arcserve UDP installations.



## Secure Your Backups from Any Threat

- (New) Keep your data and system backups safe with **Sophos Intercept X Advanced for Server**, protecting UDP recovery point servers (RPS) and the management console.
- (New) Stay protected against any threat, including unknown malware, utilizing a **deep learning neural network** combined with **signature-based protection** from common threats.
- (New) Eliminate threat of exfiltration and **prevent major hacking techniques**, including credential harvesting, lateral movement, and privilege escalation with exploit prevention.
- (New) Protect backups from deletion or alteration with **immutable cloud storage** powered by Amazon AWS S3 Object Lock.

## Orchestrate the Disaster Recovery

- Maintain virtual copies of mission-critical systems on Nutanix AHV, VMware vSphere, Microsoft Hyper-V, Amazon AWS EC2, and Microsoft Azure with **UDP Virtual Standby**.
- Spin up business-critical system backups as virtual machines on-demand in Nutanix AHV, VMware vSphere, Microsoft Hyper-V, Amazon AWS EC2, and Microsoft Azure with **UDP InstantVM**.
- Schedule automated disaster recovery tests with advanced reporting for stakeholders through **Assured Recovery**.
- **Granularly** restore individual files, emails, Active Directory objects, SharePoint Documents, and Oracle Database tables.
- Attach backups **as virtual drives** in Windows and NFS shares in Linux for advanced insights.

## Optimize Data Protection

- Protect newly added Nutanix AHV, VMware vSphere, and Microsoft Hyper-V virtual machines **automatically**.
- Increase storage efficiency with built-in, global, at-source, advanced, **block-level deduplication**.
- Reduce the need for dedicated bandwidth with built-in, **WAN-optimized backup replication**.
- Safeguard the data in-flight and at-rest with built-in **AES/SSL encryption and TLS 1.2**.
- Integrate storage infrastructure with **hardware snapshot integration** for HPE 3Par, Nimble Storage, and NetApp ONTAP.
- Send copies of your sensitive data and systems off-site with proven **tape drive and tape library integration**.

## Elevate to the Cloud with Deep Integration

- Benefit from cloud economies of scale **by storing backups and rapidly spinning up systems off-site** with Arcserve UDP Cloud Hybrid Secured by Sophos, or by utilizing integration with private and public clouds, including Amazon® AWS, Microsoft Azure®, Eucalyptus®, and Rackspace®.
- Protect your **Amazon AWS** and **Microsoft Azure** workloads from data loss and extended downtimes.
- Safeguard your **Microsoft Office 365** Exchange Online emails, SharePoint Online documents, OneDrive for Business files, and Teams data from data loss.
- Install UDP in Amazon AWS, Microsoft Azure, VMware vCloud Air, NTT Enterprise Cloud, or Fujitsu Cloud for **cloud-to-cloud backup with deduplication**.

## Streamline Management and Reporting

- Save time with a unified, streamlined, **web-based console** and reclaim up to 50% more time to spend on strategic IT initiatives.
- Assure security with advanced **role-based administration (RBAC)**.
- Scale disaster recovery and backup seamlessly with **policy-based management**.
- Keep business and IT stakeholders informed with **SLA reporting** that includes recovery time objective (RTO) and recovery time actual (RTA) comparisons.
- Customize deeper with **CLI, API, and DB integration**.



## Supported Platforms

### Operating Systems

- Windows Server 2019, 2016, 2012 R2, 2012, 2008 R2 SP1, 2008 SP2
- Windows Server IoT 2019 Storage
- Windows 10, 8.1, 8, 7
- Red Hat Enterprise Linux 5.0-8.3, CentOS 6.0-8.3, Oracle Linux Server 5.5-8.3, Oracle UEK R5-R6, Debian 8.0-10.7, Ubuntu 14.04LTS-20.04LTS, SUSE Linux Enterprise Server 11.3-15 SP2

### Hypervisors and Hyperconverged Infrastructure

- *(New)* Nutanix AHV 5.19, 5.15, 5.10 – including agentless backup, Instant VM, Virtual Standby and Assured Recovery
- VMware vSphere 7.0.1, 6.7, 6.5, 6.0 – including agentless backup, Instant VM, Virtual Standby and Assured Recovery
- Microsoft Hyper-V Server and Windows Server with Hyper-V 2019, 2016, 2012 R2, 2012, 2008 R2 SP1 including agentless backup, Instant VM, Virtual Standby and Assured Recovery
- Guest-based backup for Linux KVM, Citrix XenServer, Oracle VM Server, as well as Nutanix AHV, VMware vSphere and Microsoft Hyper-V

### Cloud Data and Workloads

- Microsoft Office 365 OneDrive for Business
- Microsoft Office 365 Exchange Online
- Microsoft Office 365 SharePoint Online
- Microsoft Office 365 Teams data
- Amazon AWS instances
- Microsoft Azure VMs

### Applications and File Servers

- *(New)* Nutanix Files (AFS) 3.8.z, 3.7.z, 3.6.z
- *(New)* Native RMAN integration for Oracle Database 19c, 18c, 12c with Oracle Fail Safe 4.2.1
- Microsoft Exchange 2019, 2016, 2013, 2010 (including DAG) with granular item recovery
- Microsoft SQL Server 2019, 2017, 2016 SP1, 2014, 2012, 2008 R2, 2008
- Microsoft SharePoint 2019, 2016, 2013, 2010
- Windows Active Directory, including granular recovery

### Storage

- Local disk storage – including true, global, source-side deduplication with up to 20:1 ratio
- Nutanix Objects storage
- Hardware snapshots – NetApp with Data ONTAP 8.1-8.3 and 9.3-9.6; Nimble OS 2.3.6.1-5.1.x; HPE 3Par StoreServ OS 3.2.2 or later with HPE RMC 2.0-5.0.x; VSS and VADP hardware snapshots, including Dell EMC Unity and Kaminario
- Tape – including standalone drives and tape libraries
- Cloud – Arcserve Cloud, Amazon AWS S3 (including Object Lock), Microsoft Azure (including blob), Nutanix Objects, Fujitsu Cloud (including NIFCloud), Oracle Cloud, Wasabi Hot Cloud Storage, AppScale Eucalyptus Walrus, Cloudian HyperStore, IJ GIO, NTT Cloud\*, Quantum ActiveScale, and all compatible clouds

### File Systems

- Windows: NTFS, ReFS, CSVFS (full backup)
- Linux: ext2, ext3, ext4, ReiserFS 3, XFS\*, JFS\*, including LVM\* and software RAID on MBR and GPT disks
- NAS: CIFS, NFS

\*Some OS and environment-specific limitations may apply

## Additional Information

[Arcserve UDP Administration Guide](#)

[Arcserve UDP Compatibility Matrix](#)

### About Arcserve

Arcserve provides exceptional solutions to protect the priceless digital assets of organizations in need of full scale, comprehensive data protection. Established in 1983, Arcserve is the world's most experienced provider of business continuity solutions that safeguard multi-generational IT infrastructures with applications and systems in any location, on premises and in the cloud. Organizations in over 150 countries around the world rely on Arcserve's highly efficient, integrated technologies and expertise to eliminate the risk of data loss and extended downtime while reducing the cost and complexity of backing up and restoring data by up to 50 percent.



Explore more at [arcserve.com](https://www.arcserve.com)