

NetBackup Feature Comparison



Product Feature	Arcserve UDP	NetBackup
Unified / central console	Arcserve UDP is new modern data protection solution launched in 2014 with a single unified console.	NetBackup is a family of products (Availability Suite, B&R, Linux, Office 365) that operate using separate console.
Global source-side dedupe as standard	Arcserve UDP is developed with global source-side deduplication as core functionality. It benefits storage, replication, WAN and remote sites.	NetBackup relies heavily on 3rd-party dedupe appliance (e.g. Data Domain, ExaGrid and Windows Server)
Ease of Deployment	Arcserve UDP installs in just hours and can be up and running quickly without a large learning curve and expensive professional services.	NetBackup take considerable time and expertise to configure and tune. Professional services are recommended.
Virtual Standby for Virtual and Physical (V2V, P2V, V2P)	Arcserve UDP offers Virtual Standby (VSB) for VMware VM and Hyper-V with the unique capability for automated failover (IVM is manual failover), choice of restore target (optimal performance) and cross hypervisor (choice of hypervisor at target).	NetBackup has nothing similar to VSB.

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1. Modern Enterprise Backup Solution

a. Unified data protection solution

- i. **Arcserve UDP** is new modern data protection solution launched in 2014 with a single unified console.
- ii. **NetBackup**'s interface is not so easy and requires substantial learning.

b. Global source-side dedupe as standard

- i. **Arcserve UDP** is developed with global source-side deduplication as core functionality. It benefits storage, replication, WAN and remote sites.
- ii. **NetBackup** has compression but no dedupe. It supports Data Domain and Windows Server for deduplication.

c. Modern backup plans methodology

- i. **Arcserve UDP** was designed around a modern backup plan methodology. Application specific workflows guide the creation of robust backup plans.
- ii. **NetBackup** deployment and configuration is "heavy" and requires professional services.

d. Shortened installation; little PS

- i. **Arcserve UDP** installs in just hours and can be up and running quickly without a large learning curve and expensive professional services.
- ii. **NetBackup** takes considerable time and expertise to configure and tune. Professional services are recommended.

2. World Class Image Based Backup Protection

a. Agentless Restore for Virtual Machines

- i. **Arcserve UDP** offers Agentless backup for VMware VM and Hyper-V with granular restore for key applications (Exchange, SQL, AD, SharePoint)
- ii. **NetBackup** offers similar features.

b. Instant Recovery for Virtual and Physical (V2V, P2V, V2P)

- i. **Arcserve UDP** has incorporated this feature beginning with its v6.0 release, and can support instant VM restores, cross-hypervisor IVM V2V, instant restores for a VMware VM onto Hyper-V - and vice

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versa - and instant VM recovery of a physical node (P2V IVM) to VMware or Hyper-V to protect physical machines.

- ii. **NetBackup** offers similar features. No cross hypervisor feature is offered for conversion between ESX and Hyper-V.

c. Virtual Standby for Virtual and Physical (V2V, P2V, V2P)

- i. **Arcserve UDP** offers Virtual Standby (VSB) for VMware VM and Hyper-V with the unique capability for automated failover (IVM is manual failover), choice of restore target (optimal performance) and cross hypervisor (choice of hypervisor at target).
- ii. **NetBackup** has nothing similar to VSB.

d. Backup direct from UNC path

- i. **Arcserve UDP** protects SMB (CIFS) shares exported by Windows, Linux and NAS devices. Additionally, users are able to use such paths as a backup destination.
- ii. **NetBackup** offers a NAS share backup feature.

e. Automatic Protection of New VM's

- i. **Arcserve UDP** enables users to protect a single container object (such as resource pool) in the vSphere hierarchy, and as a result, new VMs added into the container object are automatically protected.
- ii. **NetBackup** does not offer this feature.

f. Advanced Backup Reporting

- i. **Arcserve UDP** delivers advanced SLA reporting for RTOs and RPOs to provide organizations with the ability to generate compliance reports related to backup windows and required restore times.
- ii. **NetBackup** does not offer this feature.

g. Automated Recovery Point Testing

- i. **Arcserve UDP** enables users to view the health status of their recovery points. The integrity and recoverability are tested on a scheduled basis by automatically creating instant virtual machine or instant virtual disk copies, with additional option to run a custom script against an Assured Recovery test.
- ii. **NetBackup** offers manual testing and scripting.

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3. HW Storage Snapshot Integration

- a. **Arcserve UDP has expanded on its existing integration with NetApp with Nimble Storage and HPE 3PARStoreServ Storage in version 6.5.**
- b. **NetBackup has support for 30+ HW snapshot platforms.**

4. Advanced Public Cloud Backup

a. Copy Backup to Public Cloud

- i. **Arcserve UDP** provides a Copy Recovery Point task that supports Amazon S3 blob storage volumes as a remote target. Recovery points stored in S3 are automatically protected with replication and recovery points are copied back to local site for disaster recovery.
- ii. **NetBackup** offers copy backup support for Amazon, Azure and other public clouds using its Cloud Storage Connectors.

b. Virtual Standby to Public Cloud

- i. **Arcserve UDP** provides virtual standby to support the conversion of Windows recovery points to virtual machine formats on AWS EC2, and uses snapshots to easily restore data.
- ii. **NetBackup** has no VSB offering, IVM only.

c. Instant VM to Public Cloud

- i. **Arcserve UDP** Instant VM supports AWS EC2 and EBS volumes to protect Linux systems.
- ii. **NetBackup** offers Amazon Virtual Machines to enable fast deployment. Thru its growing list of service providers, it offers DRaaS.

d. Recovery Point Server (RPS) using AWS EC2

- i. **Arcserve UDP** supports a Recovery Point Server in the Amazon Cloud. This configuration supports WAN optimized replication and full/incremental backup integration; in addition to VSB and Instant VM for Windows and Linux systems.
- ii. **NetBackup** offers Amazon Virtual Machines to enable fast deployment. Through its growing list of service providers, it offers DRaaS.

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e. Protect EC2 Instance inside AWS

- i. **Arcserve UDP** supports local backup of EC2 instances using the Linux Backup Agent. Full VM and file-level recovery is supported for Linux systems. You can restore an EC2 instance through Instant VM to Amazon AWS EC2 with auto recovery option.
- ii. **NetBackup** offers Amazon Virtual Machines to enable fast deployment. Through its growing list of service providers, it offers DRaaS.

f. High Availability and Business Continuity to Public Cloud

- i. **Arcserve RHA** is an automated replication and high availability solution that support both private and public cloud. Amazon AWS offers RHA instances pre-installed for DRaaS.
- ii. **NetBackup** has no HA offering. It has a replication to make remote copies of backup images.

g. Public Cloud Service Provider

- i. **Arcserve Cloud** is a backup and restore solution that is available on a subscription service for off-site backup retention and DRaaS.
- ii. **NetBackup** works with its cloud service providers.

5. Platform Support

a. Backup Agent for Windows

- i. **Arcserve UDP** has had Windows agents for physical servers from its initial release, providing support for Microsoft Windows Server 2003 SP1 all the way to the newest Windows Server 2016.
- ii. **NetBackup** offers Windows protection.

b. Backup Agent for Linux

- i. **Arcserve UDP** has had agents for Linux from its first release. It uses a single Linux system with an agent installed to orchestrate backups to all other Linux physical servers in the environment, and can perform agentless backups of Linux physical systems while only requiring one server to hold the Linux agent.
- ii. **NetBackup** offers Linux protection.

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c. Backup Protection for Office 365

- i. **Arcserve UDP** protects Office 365 emails hosted on the Microsoft public or private cloud with a fully integrated solution.
- ii. **NetBackup** has a similar offering. It is able to run its media server in the public cloud to support Office 365 and other cloud services.

6. Backup Protection for Legacy Applications

a. Backup Protection for Physical servers

- i. **Arcserve UDP** delivers data protection for physical servers leveraging Arcserve Backup, a backup solution designed for file backups and offers the widest support for physical servers and devices.
- ii. **NetBackup** has backup Agents for Windows and Linux with file level backup.

b. Bare Metal Restore

- i. **Arcserve UDP** offers advanced BMR to restore Windows and Linux for virtual and physical machines.
- ii. **NetBackup** has a similar offering.

c. Tape

- i. **Arcserve UDP** supports the leading tape devices, numbering in the hundreds and it supports all the advanced features for tape management, replication, bar code reading, tape lifecycle and more.
- ii. **NetBackup** has deep tape support.

For more information on Arcserve, please visit arcserve.com
