

# Unitrends Feature Comparison



Product Feature	Arcserve UDP	Unitrends
Direct-to-Cloud Backup and Disaster Recovery	Arcserve UDP's Direct-to-Cloud data protection solution provides high-performance, easy-to-manage backup and disaster recovery for business.	Unitrends Recovery Series appliances offer hybrid cloud data protection for disaster recovery and retention. Unitrends cloud data centers are located in the United States, Canada, Germany, United Kingdom and Australia.
Email Archiving Solution	Arcserve Archiving is a purpose-built email archiving solution designed to protect corporate email records and make them easily accessible for audits and legal discovery.	Unitrends has no offering for email archiving.
Unified / central console	Arcserve UDP is a new modern data protection solution launched in 2014 with a single unified console.	Unitrends is a family of products (Availability Suite, B&R, Linux, Office 365) that operate using separate consoles.
Global source-side dedupe as standard	Arcserve UDP was developed with global source-side deduplication as core functionality. It benefits storage, replication, WAN and remote sites.	Unitrends offers a mixture of dedupe and compression that is inconsistent across its platform. Its deduplication is not global.
HW Storage Snapshot Integration	Arcserve UDP has expanded on its existing integration with NetApp with Nimble Storage and HPE 3PARStoreServ Storage in version 6.5.	Unitrends has no offering for HW storage snapshots. Windows VSS and VMware CBT only.
Modern backup plans methodology	Arcserve UDP was designed around a modern backup plan methodology. Application specific workflows guide the creation of complex backup plans.	Unitrends has a confusing retention policy (min-max-legal) that is causing severe angst with users.

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## 1. Modern Enterprise Backup Solution

### a. Unified console for all functionality

- i. **Arcserve UDP** is a new modern data protection solution launched in 2014 with a single unified console.
- ii. **Unitrends** supports multiple user interfaces. It has a new modern UI for UEB plus the Legacy Interface. Unitrends Virtual Backup (UVB) has its own web-based UI.

### b. Global source-side dedupe as standard

- i. **Arcserve UDP** was developed with global source-side deduplication as core functionality. It benefits storage, replication, WAN and remote sites.
- ii. **Unitrends** has mixed deduplication offering that it calls Adaptive Deduplication. Adaptive Deduplication performs inline dedupe on files and client-side dedupe for VMware. Post-process deduplication is used for Oracle databases, Microsoft SharePoint, NDMP, SQL 2000 and Novell OES/Netware. Its deduplication is not global.

### c. Modern backup plans methodology

- i. **Arcserve UDP** was designed around a modern backup plan methodology. Application specific workflows guide the creation of complex backup plans.
- ii. **Unitrends** has a confusing retention policy (min-max-legal) that is causing severe angst with users.

### 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. **Unitrends** has a similar offering.

## 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. **Unitrends** offers Agentless backup for VMware VM, Hyper-V and XenServer with granular recovery support for Exchange and SharePoint (using Kroll PowerControls).

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**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 versa - and instant VM recovery of a physical node (P2V IVM) to VMware or Hyper-V to protect physical machines.
- ii. **Unitrends** offers Instant VM for VMware and Hyper-V. Not XenServer. It lacks cross hypervisor failover. Instant VM requires write space on backup storage to perform.

**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. **Unitrends** Instant VM uses write space on the backup storage, so in that regard it is similar to VSB, but it offers no target selection and no cross-hypervisor function.

**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. **Unitrends** has similar functionality to protect NAS shares.

**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. **Unitrends** 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. **Unitrends** 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. **Unitrends** offers Audit Mode automated testing for Hyper-V only. ESX is manual.

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### 3. HW Storage Snapshot Integration

- i. **Arcserve UDP** has expanded on its existing integration with NetApp with Nimble Storage and HPE 3PARStoreServ Storage in version 6.5.
- ii. **Unitrends** has no offering for HW storage snapshots. Windows VSS and VMware CBT only.

### 4. Advanced 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. **Unitrends** supports UEB as an Azure VM as a backup appliance or backup copy target.

#### 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. **Unitrends** does not offer this feature.

#### c. Instant VM to Public Cloud

- i. **Arcserve UDP** Instant VM supports AWS EC2 and EBS volumes to protect Linux systems.
- ii. **Unitrends** does not offer this feature.

#### 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. **Unitrends** supports UEB as a Azure VM as a backup appliance or backup copy target.

#### 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. **Unitrends** supports UEB as a Azure VM as a backup appliance or backup copy target. Agents are required for backup.

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**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. **Unitrends** has no HA offering.

**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. **Unitrends** offers a Cloud Backup subscription service.

**h. Direct-to-Cloud Backup and Disaster Recovery**

- i. **Arcserve UDP's** Direct-to-Cloud data protection solution provides high-performance, easy-to-manage backup and disaster recovery for business.
- ii. **Unitrends Recovery Series** appliances offer hybrid cloud data protection for disaster recovery and retention. Unitrends cloud data centers are located in the United States, Canada, Germany, United Kingdom and Australia.

## 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. **Unitrends** supports Windows/Linux environments, Unix and Mac environments.

**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. **Unitrends** supports Windows/Linux environments, Unix and Mac environments.

**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. **Unitrends** has a similar offering with a standalone product.

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#### d Email Archiving Solution

- i. **Arcserve Archiving** is a purpose-built email archiving solution designed to protect corporate email records and make them easily accessible for audits and legal discovery.
- ii. **Unitrends** has no offering for email archiving.

## 6. Backup Protection for Legacy Applications

#### a. Backup Protection for Physical servers

- i. **Arcserve UDP** delivers data protection for physical servers and offers the widest support for physical servers and devices.
- ii. **Unitrends** has backup Agents for Windows and Linux.

#### b. Bare Metal Restore

- i. **Arcserve UDP** offers advanced BMR to restore Windows and Linux for virtual and physical machines.
- ii. **Unitrends** 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. **Unitrends** has basic tape support and direct backups to tape are also allowed.

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