Backup Exec
Feature Comparison

VERITAS™
Backup Exec

Product Feature	Arcserve UDP	Backup Exec
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.	**Backup Exec** offers copy backup using direct public cloud connectors to AWS, Azure, and Google Cloud Storage and it supports hybrid cloud data protection when running in the cloud on AWS EC2 or the Azure platform.
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.	**Veritas** offers two email archiving solutions: Enterprise Vault and Enterprise Vault.Cloud.
Unified / Central Console	**Arcserve UDP** is a new modern data protection solution launched in 2014 with a single unified console.	**Backup Exec** 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.	**Backup Exec** offers a mixture of dedupe and compression that is inconsistent across its platform. Backup Exec relies heavily on 3rd-party dedupe appliance (e.g. Data Domain, ExaGrid and Windows Server).
Modern Backup Plans Methodology	**Arcserve UDP** was designed around a modern backup plan methodology. Application specific workflows guide the creation of complex backup plans.	**Backup Exec** uses a more traditional and limited approach.

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1. Modern Enterprise Backup Solution

a. Unified data protection solution

    i. **Arcserve UDP** is a new modern data protection solution launched in 2014 with a single unified console.

    ii. **Backup Exec** is one of the best known legacy backup solutions that goes back over 20+ years. It is well known for Windows file backup. It was famously late to support VMware and Hyper-V image based backup and had a number of disastrous releases.

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. **Backup Exec** offers a mixture of dedupe and compression that is inconsistent across its platform. **Backup Exec** relies heavily on 3rd-party dedupe appliance (e.g. Data Domain, ExaGrid and Windows Server)

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. **Backup Exec** is an old design based on file-based backup and complex backup schedules. Backup Wizards are an attempt to cover up the underlying complexity.

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. **Backup Exec** install in just hours. Complexity arises when configuring new image-based backups for virtual machines.

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. **Backup Exec** offers the same as UDP.

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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. **Backup Exec** has a similar function.

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. **Backup Exec** 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. **Backup Exec** has a similar function.

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. **Backup Exec** has a similar function.

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. **Backup Exec** does not provide SLA reporting.

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. **Backup Exec** does not offer this feature.

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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. **Backup Exec** does not list any support for HW Storage Snapshots. It only describes Windows VSS host snapshot support.

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. **Backup Exec** 16 announced a new connector for Microsoft Azure Cloud, the purpose of which is backup replication off-site.

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. **Backup Exec** does not support VSB capability

c. Instant VM to Public Cloud

    i. **Arcserve UDP** Instant VM supports AWS EC2 and EBS volumes to protect Linux systems.

    ii. **Backup Exec** supports IVM locally.

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. **Backup Exec** does not support this feature.

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. **Backup Exec** does not support this feature.

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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. **Backup Exec** does not support this feature.

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. **Backup Exec** does not support this offering.

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. **Backup Exec** offers copy backup using direct public cloud connectors to AWS, Azure, and Google Cloud Storage and it supports hybrid cloud data protection when running in the cloud on AWS EC2 or the Azure platform.

i. 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. **Veritas** offers two email archiving solutions: Enterprise Vault and Enterprise Vault.Cloud.

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. **Backup Exec**'s has a similar offer.

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. **Backup Exec** has a similar offer.

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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. **Backup Exec** does not support this feature.

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. **Backup Exec** has a similar offer.

    b. Bare Metal Restore

        i. **Arcserve UDP** offers advanced BMR to restore Windows and Linux for virtual and physical machines.

        ii. **Backup Exec** has a similar offer.

    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. **Backup Exec** has a similar offer.

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