

## PRODUCT GUIDE

# SELECTING THE RIGHT BACKUP DEPLOYMENT

## Unified Backup: Improved Organizational Resilience and 100% Recovery Confidence at a Predictable Cost

Unitrends Unified Backup and Disaster Recovery platform addresses the challenges of today's distributed enterprise with a complete, agile solution designed to back up, secure and recover all workloads, whether on-premises, in the cloud, SaaS applications or on remote endpoints. Purposeful integrations with security tools provide end-to-end protection against cyberthreats and human error by injecting automation and artificial intelligence to simplify complex systems and provide a unified experience with visibility across a complete backup infrastructure. The result is an integrated set of approaches with all the functionality you need, in one place, helping you focus on business rather than backups.

### Unitrends Backup Appliances

Available as a turnkey physical appliance in a variety of sizes, or as a virtual appliance that runs on your hardware or cloud.

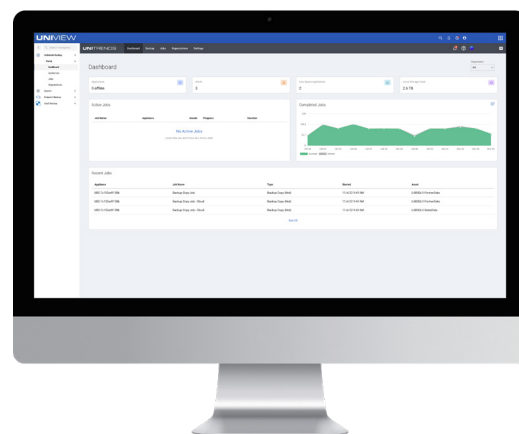


### Unitrends Physical Backup Appliances

**Unitrends backup appliances** converge purpose-built backup infrastructure, enterprise-grade software and cloud continuity. These all-in-one backup appliances come in several form-factors to suit every IT environment, from discrete but high-performance desktop to supercharged rackmount form factors. Turnkey, rackmount physical appliances are populated with computing, storage and networking capabilities. Unitrends backup appliances run on Linux OS kernel that lies outside the Windows attack surface and is hardened against cyberthreats. Preloaded and pretuned enterprise software supports backup for over 200 versions of applications, operating systems and hypervisors. The enterprise software also powers the engines for deduplication, compression, encryption, data replication, recovery testing, enterprise reporting and more, without the use of add-ons or proxies. without the use of add-ons or proxies.

### Unitrends Backup Software

**Unitrends Backup software** is a full-featured, pre-packaged virtual appliance that runs on the hypervisor or cloud of your choice, with support for deployment on VMware, vSphere, Microsoft Hyper-V, Nutanix AHV, Amazon Web Services (AWS) and Microsoft Azure Cloud. Native integration with the **Unitrends Cloud** is built in to support long-term data retention and disaster recovery. Unitrends Backup simplifies local backup and off-site compliance requirements with all-in-one software, providing you with enterprise backup and business continuity.



## Unitrends Endpoint Backup

Whether you support a remote workforce, manage remote sites or are responsible for securing the executive team's laptops and critical server workloads, **Unitrends Endpoint Backup solutions for PCs and servers** ensure your organization's mission-critical data remains safe with fully remote direct-to-cloud protection without requiring any additional hardware. All backups are stored securely in the Unitrends Cloud, eliminating the need for on-premises servers, storage or IT management.

## Unitrends Backup for Microsoft Azure

**Unitrends Backup for Microsoft Azure** is purpose-built for Azure-native workloads. This solution offers hourly replication where data is stored immutably in a secure and private Unitrends Cloud, minimizing single-cloud risk to provide rapid recovery during downtime, cyberattacks and cloud outages. Additionally, its simple flat-fee pricing removes the unpredictability of cloud billing with a simple forecastable model.

## Scale Up and Out

Digital assets are growing exponentially. Compliance requirements demand longer retention terms while maintaining recoverability. Organizations need backup and recovery solutions that deliver seamless scalability to the cloud to readily fulfill the need for off-site retention, compliance and recoverability. Unitrends Recovery Series and Unitrends Backup virtual appliances deploy quickly and integrate with the cloud destination of your choice — Unitrends Cloud, Amazon Web Services, Microsoft Azure or others — to easily scale up and out to the cloud as your business grows.

- » As your needs evolve, you have the option to move to a larger physical Unitrends appliance or increase the resources dedicated to your virtual deployment. Scale up and out by adding appliances within a single site, at remote office/branch office (ROBO) sites or extending to the cloud. Unitrends **UniView** unifies these best-of-breed backup approaches with centralized management, enabling you to manage your entire deployment of backup appliances, endpoint backup and SaaS backup — all from one place.
- » Scale appliances from 2TB up to 120TB in a single appliance with bundled, predictable pricing.
- » Quickly add physical appliances or virtual resources to protect growing data — simply rack, connect and go.
- » Seamless integration with the Unitrends Cloud for long-term data retention and hosted disaster recovery spin-up with Unitrends **Disaster Recovery-as-a-Service (DRaaS)**.

## Product Comparison Chart

Unitrends offers users the flexibility to choose between a physical hardware-based appliance or software-based virtual appliance deployment. What’s best for your organization will depend in part on the compute resources available at the primary and recovery site as well as the volume of data protected. Rapidly growing organizations may find the virtual appliance more suited to their needs since you can easily add additional compute and storage as requirements demand. Smaller offices or branch locations with limited infrastructure may benefit from the added resources provided by the physical appliance. Consider the chart below.

### Unitrends Solution vs. Traditional Backup Software

A look at how Unitrends Recovery Series and Unitrends Backup software stacks up against competitive software providers’ products:

BENEFITS	UNITRENDS BACKUP APPLIANCES	UNITRENDS BACKUP SOFTWARE	TRADITIONAL BACKUP SOFTWARE
OS Kernel Hardened Against Ransomware And Other Cyberthreats	✓	✓	✗
Fully Integrated, Optimized Hardware And Software	✓	✗	✗
Fully Integrated, Optimized OS And Backup Software	✓	✓	✗
Fully Integrated Cloud Storage And DRaaS	✓	✓	✗
Instant Recovery (Windows, VMware, Hyper-V) To A Hypervisor	✓	✓	✓
Adaptive, global deduplication	✓	✓	✗
Instant Recovery On Appliance	✓	✗	✗
Automated, Application-Level Recovery Testing	✓	✓	✗
Automated, Application-Level Recovery Testing On Appliance	✓	✗	✗
Fully Integrated Wan-Optimized Replication Engines	✓	✓	✗
Autonomous Self-Healing For Backups (Helix)	✓	✓	✗
Predictive Backup Hardware Analytics & Proactive Failure Alerts	✓	✓ (Helix)	✗
Global UI For Holistic Management Of All Components	✓	✓	✗

## Protection Comparison Chart

Building your protection strategy depends on your organization’s service level agreement (SLA). Two common metrics considered when defining SLAs are recovery point objective (RPO) and recovery time objective (RTO). Unitrends offers a number of methods to protect the various digital assets across your environment. Depending on the types of assets and their SLA requirements, you may utilize a combination of agent-based or agentless protection to achieve your recovery goals.

## Unitrends Agent-Based vs. Agentless Protection

Unitrends supports more than 200 versions of applications, operating systems and hypervisors. Depending on your recovery needs, agent-based protection, agent-less protection or a combination of both, will produce the desired results. Consider the following:

RECOVERY MODE	FILE-LEVEL AGENT	IMAGE-LEVEL AGENT	HOST-LEVEL PROTECTION	APPLICATION-LEVEL AGENT
Log Truncation	✓	✓ *	○ **	✓
Granular Item Recovery (Individual Files, Folders)	✓	✓	✓	✓
Recover To Original Target	✓	✓	✓	✓
Bare Metal Recovery	✓	✓	✗	✗
Physical To Virtual (P To V)	✓	✓	N/A	✗
Instant Recovery (Original Or Different Host)	✗	✓	✓	✗
Replica(s)	✓	✓	✓	✗

\*Image-Level agent utilizes VSS Aware and VSS Full. For certain applications, VSS Copy backup preserves logs; VSS Full truncates logs (Exchange, SQL).

\*\*Application Aware backup setting truncates logs (Exchange).

**\*NOTE\***

Always refer to the Unitrends Admin Guide for full documentation of best practices and supported methods:  
<https://guides.unitrends.com/documents/rs-ueb-admin-guide>

## ABOUT UNITRENDS

Unitrends makes efficient, reliable backup and recovery as effortless and hassle-free as possible. We combine deep expertise gained over thirty years of focussing on backup and recovery with next generation backup appliances and cloud purpose-built to make data protection simpler, more automated and more resilient than any other solution in the industry.

Learn more by visiting [unitrends.com](http://unitrends.com) or follow us on LinkedIn and Twitter @Unitrends.

