

ESCAPE

ALL LIMITATIONS

UNITRENDS BACKUP & RECOVERY SOLUTION- DISASTER RECOVERY BEST PRACTICES

THIS DISASTER RECOVERY BEST PRACTICE BRIEF WILL DESCRIBE HOW TO LEVERAGE UNITRENDS OFFERINGS TO ENSURE DATA PROTECTION AND BEST PRACTICES FOR DISASTER RECOVERY SCENARIOS. AFTER READING THIS BRIEF, YOU WILL UNDERSTAND HOW TO PROTECT BUSINESSES' MOST CRITICAL DATA WHERE BACKUPS ALONE SIMPLY WILL NOT MEET THE RECOVERY NEED.

*"Unitrends' assistance has brought me peace of mind many times, because **I know I'm in good hands.**"*

*Murugappan Periyakaruppan
Warrior Sports*

*"**Support has been very good** when I needed it. I've been able to get a hold of individuals and they've been able to help me solve my problems in a short order."*

*Chris Howe
Rollins College*



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WHY CHOOSE UNITRENDS TO MEET YOUR DISASTER RECOVERY NEEDS

Many business environments will go long periods of time testing recovery data due to complexity, cost and time to perform such actions. You may realize that Unitrends leverages your existing tape infrastructure. But what you may not know is as your disaster recovery needs grow, Unitrends can adapt to meet your needs. Many businesses reach a point where tape backup systems alone are no longer meeting the increasing demanding for data protection. Systems operating your business are storing large amounts of appliance and file system data. Rapid recovery and instant access of this data to maintain business operations is becoming a standard requirement. Successful backups, rotational media and the ability to perform recovery are a requirement for a disaster recovery solution.

Consider this:

- 40% of all companies that experience a major disaster will go out of business if they cannot gain access to their data within 24 hours - Gartner, March 2009
- Every year 1 in 500 businesses will experience a severe disaster - McGladrey and Pullen
- 43% of companies that experience disasters never re-open, and 29% close within two years - McGladrey and Pullen
- 93% of businesses that lost their data center for 10 days went bankrupt within one year - National Archives & Records Administration

Industry research has shown that less than 20% of all companies surveyed actually operate without a viable Disaster Recovery Plan. Is your business prepared for a disaster? Do not become a statistic.

PLANNING FOR A DISASTER

In IT organizations, planning for a disaster may include many different concerns. Natural or man-made, simply disaster such as a power outage or complex disaster such as an earthquake all require the proper plan and the solution the meet the demand for the plan.

Unitrends data protection strategies are saleable to grow in large environment and modular to fit the smaller sized environments. When deciding on the correct solution to meet your needs, first you need to identify what types of disaster recovery you are protecting against. Does your environment need a disaster recovery or business continuity solution or both? Disaster recovery is when your business resumes after a disruptive event. A plan including business continuity would suggest that your business would continue to be operational during a disruption. Unitrends provides the offerings to complete a seamless disaster recovery in the event of an unplanned

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event.

Part of the action plan for businesses to continue operations may include for the ability to work remotely or at a secondary location. This would require direct access to the recovery systems. With Unitrends single pane of glass to manage the data protection strategies, a user can work remotely while continuing to access the required resources to maintain business operations.

Access to systems and resources is part of a successful plan. Identifying the amount of data and the retention policy would also be required as part of the recovery process. Unitrends Appliance family has single appliances that can backup up to 50TB backup sizes per appliance. With the Simply Scalable™ architecture, Unitrends can scale-out backup appliances in a centralized and distributed site to meet the needs to protect data as the environment grows.

As data grows, your disaster recovery plan needs to adapt to meet this growth. Periodic checkpoints in a disaster recovery strategy ensure proper backups were completed and data is not corrupted. “The key is your testing program [for disaster recovery] must evolve to meet the changing objectives and requirement...” – Troy Harris, RSM McGladrey, Inc. 2011. Unitrends data protection interface provides an intuitive step-by-step process to recovering data as well as reports providing a detailed view into each backup, archive and vaulting action.

Take the appropriate steps. When considering disaster recovery preparation, understand application data, site information, and large data needs to be taken into consideration.

Here’s where Unitrends can help:

- **Meet Your Target RTO and RPO** – decide what data is needed and how long to retain the data. Unitrends allows for scheduling incremental backups for as often as every 60 seconds. You’ll never lose more than 1 minutes’ worth of data
- **Rapidly Provision Systems** – Physical, virtual or cloud-based assets, leverage the Unitrends offers to maximize your options to meet your recovery strategies. Unitrends protects over 100+ different versions of operating systems, hypervisors and applications.
- **Protect Critical Data Sets** - Applications are core to your business. Continuous operation of the application keeps customers accessing your business resources. For virtual or physical servers and applications, agent or agentless approaches can be used to meet your granularity requires to access data.

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ARCHIVING AND VAULTING

Cost effectively accessing data in the event of a disaster event is critical to the success of your recovery strategy. Unitrends provides point-in-time data recovery and rapid recovery of failed systems. Unitrends archiving and vaulting provide data retention policies and align to corporate regulations compliance. In addition, Unitrends can grow archives non-disruptively and on-demand, automated data migration and leverage standards-based access to archives. Data protection strategies also require an off-site storage for your protected data and systems.

Disaster recovery begins with your Unitrends backup. Data is easily transport your protected backups to a secondary site. There are several options to manage off-premise protection. Unitrends provides solutions to meet your business needs. Rotational media such as tape or disk, network attached storage, private or public cloud, and cloud-based service offerings are examples of ways to archive your data. Unitrends supports all these methods in addition to offering a multitenant cloud service as well.

- **Vault2Cloud:** Vault your data to Unitrends' multitenant cloud service. In the event of a disaster, Unitrends guarantees next-day shipping of a new, fully loaded appliance.
- **Electronic vaulting:** Schedule replication of your protected data from your primary site to your disaster recovery site. If you have available bandwidth, set up cross vaulting: vault between two or more sites, with each site acting as a DR site for the other.
- **Rotational archiving:** Archive your protected data to disk or tape, and then rotate the disk off-site.
- **Service Level Agreement:** Unitrends can help customers meet their SLAs based on customer recovery time objectives.

Unitrends archiving and vaulting solutions use policy-based, disk-based online storage and tape-based offline storage to meet your specific retention needs.

PROTECTION OF PHYSICAL, VIRTUAL AND CLOUD-BASED STRATEGIES

Protection against an unplanned event or a potential disaster should include your entire environment and infrastructure. A data protection solution must offer protection across your organization regardless what type of operating system, server, and storage; virtual or physical. Using multiple offerings to address your total protection may become cumbersome and when something does not go as plan, you are left contacting multiple vendors for support. This wastes time, money, and reduces your recovery window significantly. Earlier in the brief we mentioned,

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“93% of businesses that lost their data center for 10 days went bankrupt within one year” according to National Archives & Records Administration. Having to coordinate multiple vendors may decrease the time to access business-critical data. Unitrends uses a common disk-to-disk backup and recovery engine for providing protection for over 100 different versions of operating systems, hypervisors and applications through a single management interface.

Unplanned interruption in your business can cause loss of customer and prospects. With the growth of data becoming expediential¹ over the next decade by the growth of in server increasing 10 times, the growth in data increasing 50 times and the growth in files increasing 75 times is forcing IT organizations to look to alternatives to do more with less. With this growth, IT staff is expected to grow only 1.5 times over the next decade. In order to manage this growing infrastructure, IT organizations are looking to virtualize assets to maximize the resources usefulness.

This approach of consolidation increases the productivity of the server and application while providing less physical resources to manage. With this consolidation, data protection has never been more important. “Through 2012, 60 percent of virtualized servers will be less secure than the physical servers they replace,” according to Gartner. This concern is an area where data protection and rapid recovery become critical. Once a virtual asset is identified as compromised, Unitrends instant recovery of a virtual machine can take place and provide immediate access replacing the potentially compromised asset.

Consolidated resources would increase the amount of data to be recovered. Traditionally the initial load of data would take significant amount of time. For example moving 50 TB of data to a disaster recovery site could possibly take days to complete. Unitrends eliminates this time by providing a seeding process for data to be moved from a primary to a disaster recovery site. A bulk load of data can be applied at the disaster recovery site for the initial load. Deltas or changes would then be applied to future updates of the disaster recovery data set.

WHY UNITRENDS DISASTER RECOVERY EXCEEDS YOUR BUSINESS NEEDS

Your environment requires a solution that addresses, meets and grows with your dynamic business needs. Unitrends provides an all-in-one approach to data protection providing rich, robust feature sets at an affordable price.

Unitrends provides:

- **Scale and Grow with your Business** – By leverage existing investments such as tape, legacy servers, and storage; Unitrends can maximize your resources utilization while adapt to your data growth.

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- **Single point of contact** – You do not get the run around here. Your questions for data protection strategies are addressed by Unitrends with a US-based customer support team that boasts a 99% NPS (Net Promoter Score)-based customer satisfaction rate. We have a 20+ year culture of satisfying our global customers.
- **Complete Protection** – protection of your physical, virtual, and cloud enabled assets. Unitrends providing protection for over 100 different versions of operating systems, hypervisors and applications.

Unitrends does not want to see your business experience an event causing a disaster. However with the growth of data and the expanding demands on consolidated resources, organization such as yours must be ready and prepared to minimize unplanned downtime. You can feel confident joining the customers that trust Unitrends over 20+ years of expertise in data protection.

**TRY UNITRENDS NOW FOR FREE!
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