



## TurboRestore Appliances and the SaaS BackupGrid

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With the BackupGrid service, customers have the option of placing TurboRestore appliances at some or all of the sites where servers are backed up. Servers can back up first to a local appliance and then the appliance backs up over the Internet to the off-site vault. TurboRestore Appliances are sized so that they hold several weeks, or more, of backup history, not just the most recent backup.

As the name suggests, the primary benefit is the ability to do very fast recoveries for all data loss events except the case of a total site disaster (where one must assume that the appliance is lost along with the servers at the site). Restores from a TurboRestore appliance do not need to move data over the Internet; the data is restored at disk-to-disk local network speeds from the appliance. This is particularly valuable at sites with larger amounts of data.

To illustrate, if a site has a T1 Internet connection (1.5Mbps), and one assumes that data compresses 2:1, then the maximum restore rate is 1GB per hour. By contrast, with a TurboRestore appliance the restore rate will normally be 20GB per hour or more.

Site disasters are rare, fortunately. Empirically, Iron Mountain has found that more than 98% of restores are done to recover from server failures, corruptions, human errors and other types of data losses. In all these cases, the TurboRestore appliance provides a rapid recovery option, without losing the immediate off-site backup and recovery capability provided by the BackupGrid Service.

An additional benefit of a TurboRestore appliance is that it provides a local copy of recent backup data for extra redundancy. Some customers appreciate the safety and convenience of having their data "in their hands". For example, some customers in hurricane areas have been known to take their TurboRestore appliances when they shut down their servers and evacuate before a storm hits.

Another benefit is that appliances can be used to further control backup traffic over customer Internet connections while still using BackupGrid's Continuous Data Protection. The appliance can operate on a different schedule than the agents. For example, servers backup continuously to the appliance, but the appliance's schedule can be set to back up to the off-site vault only at night.

## BackupGrid TurboRestore Features

- The appliance is a 1U rack mount unit that can protect up to 400 GB of native server data.
- No special management required.
- Automatically does restores from the most efficient location.
- If the appliance holds the requested data, the restore will use it.
- All data on an appliance is both compressed and encrypted, just like vaulted data.
- The theft of an appliance does not create a breach of privacy.
- There can be more than one TurboRestore appliance at a site, if necessary.

## About Utility Backup Solutions

Data is the lifeblood of any company, and data backup in the modern era should be as simple as ‘plugging in’ to a utility that is always on, always reliable and can actually deliver when you need it.

Utility Backup Solutions offers best-of-breed, one-stop data protection and recovery solutions designed specifically to address the special needs of today’s small- and-medium-sized businesses. With our automated solutions for servers, our customers can reduce operational costs, focus staff on new initiatives and improve workforce productivity, adhere to regulatory and compliance concerns and achieve total peace-of-mind.

The SaaS BackupGrid service, based on Iron Mountain’s award-winning LiveVault platform, is a comprehensive solution for online protection and recovery of server data for small-and-medium businesses in North America. The SaaS BackupGrid is offered in a utility billing model—that is, the services provided to our customers are consumption-based, pay-as-you-go software-as-a-service subscriptions.

With Utility Backup, you can finally abandon the administrative and financial burden of a legacy magnetic tape backup program, and join the thousands of satisfied customers enjoying the “set-it-and-leave-it” reliability of a modern data protection solution.

We pride ourselves on offering a valuable and effective solution to a real problem for our customers. We believe in transparency, customer satisfaction, and providing true value. If we are successful, we believe we will be rewarded with long customer relationships.

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