

Onsite appliance for fast backup and restore

CyberFortress TurboRestore™ Appliance



CyberFortress service, gives you the option of placing TurboRestore™ Appliances (TRAs) at some or all of the sites where your servers are backed up. Servers can back up first to a local appliance and then the appliance backs up over the Internet to an offsite vault, which then replicates to a second vaulting location. TurboRestore Appliances are available in several capacities and sized so that they hold several weeks, or more, of backup history, not just the most recent backup.

Generally, the bandwidth available at a customer site limits the possible restore speeds. As the name suggests, the primary benefit of a TRA is the ability to do very fast restores locally without sending any data over bandwidth. This allows you to restore large amounts of data while meeting the most stringent Recovery Time Objectives (RTO). Data is restored at disk-to-disk local network speeds from the appliance. This is particularly valuable at sites with larger amounts of data.

Fortunately, site disasters are rare. CyberFortress has found that more than 98% of restores are done to recover from server failures, corruptions, human error and other types of data losses. In all these cases, the TurboRestore Appliance provides a rapid recovery option, without losing the immediate offsite backup and recovery capability, handled by the CyberFortress service.

An additional benefit of the 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 own hands. For example, some customers in hurricane areas have been known to take their TurboRestore Appliances with them 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 CyberFortress' continuous data protection. The appliance can operate on a different schedule than the CyberFortress agents. For example, servers can backup continuously to the appliance, but the appliance's schedule can be set to back up to the offsite vault only at night.

Features

- Single onsite appliance protects multiple servers
- Data is compressed and encrypted, just like vaulted data
- CyberFortress automatically restores from the closest location

Benefits

- Faster, local restores
- Plug and play—no special management required
- Flexibility of backup schedules

TurboRestore Appliances are available in four pre-configured, turnkey capacities. Each unit is a 1U or 2U rack mountable unit that comes with an onsite service contract. Alternatively, you can purchase a license for the TurboRestore software and install it on a Windows server of their choice.

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 30 to 60 GB per hour or more.