

Enterprise Backup Overview

Protecting Your Most Important Asset

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Protecting Your Data with Enterprise Storage.

Your data is the most valuable of all your IT assets. As such, you need to know that it is secure, accessible when you need it, and — in the case of disaster — recoverable. But given the volume of changes of the information you routinely collect, process, and store, building and maintaining your own storage solution can be a costly, difficult and a time-consuming project. Canadian Web Hosting's **enterprise ready storage** can help. Our storage and backup services help you achieve lower total cost of ownership (TCO), reduce the time spent on routine administration tasks, and significantly improve the protection of your data.

Worry-Free Management of Key Data Assets.

As a company, Canadian Web Hosting performs thousands of successful backup jobs each month, and when our customers need that data, we can deliver. Through the use of industry leading technologies and flexible enterprise storage hardware, we can customize a backup solution that minimizes any potential loss and improves your business continuity plans. Whether you need a storage and backup solution for mission-critical production data, or archive data, Canadian Web Hosting has a solution to meet your needs and keeps your data in Canada.



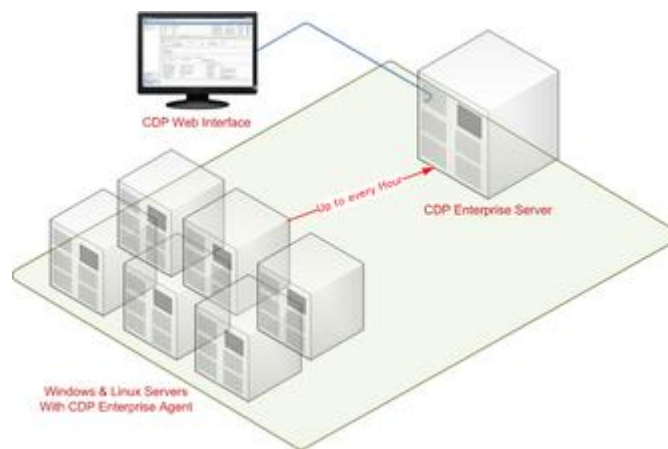
By subscribing to Canadian Web Hosting's storage and backup services, you can:

- Utilize industry leading backup technology at a fraction of the cost
- Make sure that failed backups are prioritized over other break/fix events
- Lower the operational costs of storing and managing data
- Eliminate routine data management tasks to focus on your core business
- Safeguard data from both external threats and internal problems
- Recover data quickly and easily
- Increase efficiency
- Benefit from geographic separation



Backup Technology

To meet the high level demands of our customers, Canadian Web Hosting has partnered with R1Soft to offer the only Continuous Data Protection (CDP) solution for Linux and Windows server backups. R1Soft's CDP is a solution that enables disk-based data protection, Linux and Windows disaster recovery and Bare-Metal Restore for servers and workstations running Linux and Windows operating systems. Described below is a high level layout of each backup server configuration with available server options that provide geographic separation and business continuity.



Benefits of the R1Soft CDP Solution include:

Bare-Metal Disaster Recovery

Restore servers directly from disk-based backup. Unlike traditional backup software, there is no need to first partition your drive and install the operating system.

High-Performance

Sector-based backups increase throughput and reduce overhead. Servers can be fully operational with minimal performance impact during backups. Backups can usually be performed at anytime, even on busy servers.

Small Backup Windows

Only changed disk sectors are copied between backups. Incremental backups are able to be completed in minutes.

Open File Backups

R1Soft's backup solution includes built-in support for backing up open files. No third party software is required.



Snapshots

Our technology provides consistent point-in-time, system-wide backup images.

Near-Continuous Backups

During normal host operation, the R1Soft Agent keeps a journal of disk changes. Incremental backups know which sectors on the disk have changed before the backup operation even starts. This eliminates the need for file-by-file or block-by-block comparisons every backup.

Remote Administration

Software can be completely controlled offsite using a single page Web-based interface.

Compression

Incremental sector-based backups ignore unused portions of the disk and copy only the disk sectors that have changed since the last backup. When used with traditional compression, this reduces backup storage by as much as 90% compared to a traditional system-wide, file-by-file backup.

End-to-end Strong Encryption

Data is continuously encrypted while in storage and during network transmission using RSA keys. Decryption during a restore is only possible when the encryption key holder enters their pass phrase.

Data Integrity

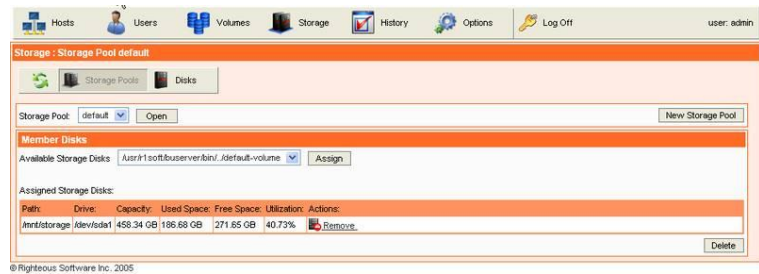
During backup and restore, data is verified using MD5 checksums.



Available Backup Options

Managed Backups

With Canadian Web Hosting's Managed Backup Service. We will setup and configure automated data backups that store all your data files on a redundant, centralized storage array housed in one of our secure, state-of-the-art data centers. In doing so, our automated backup process protects you from possible human error, power failures or any number of causes that can lead to data loss. When you outsource your data backup to Canadian Web Hosting's administrators, you're free to focus on running your business and can be assured that your data will be there when you need it.



Technical Requirements

- Available for both Linux and Windows servers
- Disk-based data protection
- Point-in-time snapshots
- Minimum daily incremental updates
- 2 weeks retention of data
- Optional web based administration

Pricing for Managed Backup Protection (per server)

Service	One-Time	Monthly
50GB Storage	\$25	\$25.00
Additional 10GB		\$5.00
Optional Web UI		\$2.50
Optional Off-Site Configuration		\$5.00

Backups Include a Complete Snapshot of:

- All saved application data
- Content data
- Configuration files
- Data files
- Registry files libraries



Remote Backup (offsite)

Having an effective method for automatically backing up your data is good first step. Storing that data in a secure, off-site location that is readily accessible for recovery is even better. Canadian Web Hosting is uniquely situated to offer remote or off-site backup services to safely store files and full images physically separated from your production server(s).

Because of our Canadian footprint with data centers in Vancouver, BC and Toronto, ON, we offer geographically separated locations, and we can configure the backup process to ensure separation between servers and backups.



Off-Site Backup Protection

This is significant because In the event of a fire or natural disaster that makes your server or on-site data unavailable, the mirrored backup files in the other data center will be restored to an alternative physical or virtual facilities to get you up and running in a minimal amount of time.

Pricing for Offsite Backup Protection (per server)

Service	One-Time	Monthly
50GB Storage	\$10.00	\$25.00
Additional 10GB		\$5.00
Optional Web UI		\$2.50
Optional Off-Site Configuration		\$10.00

Backups Include a Complete Snapshot of:

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Dedicated Backup Servers

Some applications dictate a more flexible, customized approach to data protection and restoration. For customers requiring a larger volume including options for several servers, larger amounts of storage, or data isolated from other users or more control over the administration of backup processes, Canadian Web Hosting offers dedicated backup server storage that provides complete control over backup schedules and retention policies, and gives you access control and Web-based file or machine restore. More importantly, your data is completely isolated from other users on the network and with 256 bit AES encryption you can be assured that your data is safe. If needed, you can even install multiple backup agents on your server to support different backup requirements.



Pricing for the Backup Server (note, pricing is per agent)

Service	One-Time	Monthly
500GB Storage	\$10.00	\$110.00/M
Additional 500GB Drive		\$25.00
RAID1 (Mirror)		\$20.00
Optional Web UI		\$2.50
Optional Off-Site Configuration (Toronto, Vancouver)		Upon Request

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SAS70 Certified

Canadian Web Hosting is SAS 70 Type II and CICA 5970 Type B certified and successfully demonstrated that our procedures and controls have been tested by an eligible 3rd party. The SAS 70 Type II and CICA 5970 Type B audit provide assurances that Canadian Web Hosting customers are in secure, reliable and effective operating environments that have the proper controls for Internet operations and highly available IT services. This includes datacentre security, customer security, data storage, access and security.



About Canadian Web Hosting

Since 1996, Canadian Web Hosting has been delivering proven and reliable web hosting solutions that are 100% Canadian -owned and -operated. What this means, is that no matter the service, you can be assured that your data will stay in Canada. Our cloud hosting services utilize data Centre's in Toronto and Vancouver, which means that your private information never leaves Canada and meets all Canadian privacy requirements.



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