Server Backup Manager

Fast, Affordable, Proven Server Backup Software

R1Soft Server Backup Manager (SBM) is fast and affordable server backup software for Windows and Linux servers in both physical and virtual environments. R1Soft provides virtual full backup storage inside our proprietary Disk Safe format, which optimizes storage and allows users to keep recovery points longer while saving space over existing full or incremental backups. Our block-level Continuous Data Protection technology vastly reduces backup windows from hours to minutes. These capabilities ensure unique disk blocks are stored only one time, even across thousands of recovery points.

TRY SERVER BACKUP MANAGER FOR FREE!

Why Server Backup Manager?

When searching for server backup software, server administrators and organizations can face many challenges, such as the rapid growth of data, shrinking backup windows and budgets, and multi-platform environments. Our Server Backup Manager helps overcome these challenges by providing fast, affordable disk-based server backup software for diverse environments. It provides great value for organizations that have short backup windows and the need to scale backups across many servers on a budget. In environments where filesystem-based backups fail, Server Backup Manager can provide critical, reliable backups.

Product Highlights

- Site-to-Site Replication: Replicate backup data securely across SBM servers on public networks. Use the replicated Disk Safes to directly restore protected servers, even when the primary SBM server is unavailable.
- Data Retention Policies: Define automatic policies to merge recovery points and recycle storage
- Disk Safe Verification: Added integrity assurance through block-level verification of stored data against its source
- Robust API: Easily automate administrative tasks and integrate with your billing or provisioning systems using our powerful SOAP API.
- AES-256 Disk Safe Encryption: Protect your data at rest and in transit through industry standard encryption
- Onsite & Offsite Backups: Efficient Disk Safe replication with support for Amazon Glacier or any custom target through simple scripting

Key Benefits

Fast
- Incremental backups are done at the block level, not file level
- Schedule server backups as frequently as every 15 minutes

Proven
- Used on nearly 250,000 servers in the world's largest data centers

Affordable
- Everything is included - no additional modules required

Multi-Platform
- Physical / Virtual / Windows / Linux
- MySQL, Microsoft SQL Server, and Exchange support
- RedHat, CentOS, Ubuntu, Debian, SuSe including most custom Linux kernels
- VMware, Hyper-V, Citrix Xen, XenSource, Virtuozzo and KVM

Scalable
- Manage thousands of servers with one web-based enterprise console
- Extensible architecture allows for adding repositories as you grow

Quick Restore
- Restore large file systems or entire servers fast with Bare-Metal Restore
- Easy Granular file or folder restore or download files to desktop

Multi-Tenant
- Allow multiple departments/customers to share backup capacity with complete separation.
- Provide self-service backup/restore to your internal customers.

Self-Service File Restore
- Provide end users with the ability to restore their own files.
- Compatible with most Web Hosting Control Panels.

Technical Features

- High Performance Backups: The first time your continuous data protection policy runs, it will perform an initial replica of your data. After the initial replica, it stores block level deltas, leading to shorter backup windows and reduced disk I/O.
- Bare-Metal Restore: Faster alternative to file-by-file restore in the event of disaster. By bypassing the file system and streaming blocks directly to disk, restores of large file systems can be performed significantly faster.
- Data Retention Policy: Define a replication goal (for example, every 15 minutes) and the amount of recovery points to retain. Old recovery points are automatically merged and their storage is recycled.
- Portable Storage Backups: With Portable Disk Safe technology, your backups go wherever you need them. Move your Disk Safe to a new location, open it with another Server Backup installation, or even copy it to a USB drive.
- Point-in-Time Snapshots: Microsoft Volume Shadow Copy and our own Linux Hot Copy™ are used to produce a point-in-time snapshot of disk volumes, allowing consistent backup of locked and open files, and, combined with our changed block tracking, blazing fast backups.
- Disk Safe Encryption: AES-256 Disk Safe Encryption can be enabled at the time of creation of Disk Safes for backup data. This aids in the protection of data stored in the Backup Server and over the network.
- Industrial Strength Storage: Archive up to 140 terabytes of data per disk safe. On-disk journaling passes the ACID test and recovers automatically from interruptions.

Enterprise Management Features

- Central Backup Administration: Manage more than 30 server backups to one Server Backup Management Repository Server. Scale-out architecture allows for adding repositories as you grow. No special hardware required, use any disk-based storage and existing TCP/IP network infrastructure.
- Remote Agent Deployment: Enables you to download, install, and configure in under 5 minutes. Deployment and configuration wizards provide remote agent deployment for Windows and Linux. Deploy Linux agents using root or any account allowed to sudo. Set or change agent configuration directly from Server Backup Manager.
- Virtual Server (VM) Support: Supports backups for the most common virtualized environments including VMware, Hyper-V, Citrix Xenserver, Parallels Virtuozzo and KVM.
- Exchange and SQL Server Coverage: Backup MS SQL Server 2012, 2008 R2, 2008, 2005 and Express databases. Plus, complete server backup for MS Exchange Server 2013, 2010 and 2007.
- Recovery Point Archiving: Corporate and regulatory requirements often require the archiving of data at certain intervals. Define an archiving policy for recovery points to ensure retention requirements are supported.
- Support LDAP authentication: Server Backup Manager now offers LDAP authentication so you can authenticate your users against a directory service, such as Microsoft Active Directory.
- Server Backup Manager API: Server Backup Manager includes a robust API (Application Programmer Interface) for automation of most administrative tasks. The API can be used by developers who need to integrate Server Backup into their existing billing or provisioning system. The API can also now be used to create reports, track performance metrics, and deploy agents. The Server Backup API uses SOAP (Simpl Object Access Protocol), the industry-standard for integrating web service applications.

System Requirements

Windows Backup Manager - Repository Server

-- Physical Memory – 1GB of RAM per open disk safe (concurrent backup/restores) with an additional 2GB RAM per terabyte of backups
-- CPU – 2 cores minimum plus 1 core per concurrent backup/ restore task.
-- Primary Storage Types - Directly Attached Storage Including: IDE, SATA, SCSI, SAS, ISCSI, Fibre Channel, Dynamic Disks (Software RAID), Hardware RAID, Solid State Drives (SSD)
-- Windows Operating Systems – x64: Windows Server 2012 R2, Windows Server 2012, Windows Server 2008 R2, Windows Server 2008
-- Disk Safe Locations - Directly Attached Storage, Network Attached Storage Including: IDE, SATA, SCSI, SAS, ISCSI, Fibre Channel, Dynamic Disks (Software RAID), Hardware RAID, Solid State Drives (SSD), NFS

Windows Agent for physical and virtual machines

-- Physical Memory - Minimum 512 MB
-- File Systems - NTFS
-- Windows Operating Systems – x86/x64: Windows Server 2012 R2, Windows Server 2012, Windows Server 2008 R2, Windows Server 2008, Windows Server 2003 (SP2), Windows Server 2003 R2 (SP2), Windows 8, Windows 7, Windows Vista SP2, Windows XP SP3
-- Virtualization - Microsoft Hyper-V, Citrix XenServer VMWare ESX/ESXi VM, Parallels Cloud Server VM
-- Microsoft SQL Server – SQL Server 2012, SQL Server 2008, SQL Server 2005, SQL Server Express
-- Microsoft Exchange Server – Exchange Server 2013, Exchange Server 2010, Exchange Server 2007
-- MySQL - MySQL Enterprise, MySQL Community, MariaDB, Percona Server

Linux Agent for physical and virtual machines

-- Linux Kernels - 2.6.9 to 3.13
-- Physical Memory - Minimum 512 MB
-- Primary Storage Types - Directly Attached Storage Including: IDE, SATA, SCSI, SAS, ISCSI, Fibre Channel, Dynamic Disks (Software RAID), Hardware RAID, Solid State Drives (SSD)
-- Linux Distributions - RedHat Enterprise, CentOS, Oracle Enterprise Linux, Ubuntu, Fedora, Debian, SUSE Linux Enterprise, Open SUSE, Mandriva, Cloud Linux, Virtuozzo
-- File Systems - ReiserFS, Ext2, Ext3, Ext4, XFS
-- Virtualization - Citrix XenServer, VMWare, Linux KVM, Parallels Virtuozzo, Parallels Cloud Server, OpenVZ
-- MySQL - MySQL Enterprise , MySQL Community, MariaDB, Percona Server
-- Self-Service Hosting Control Panel Restore - cPanel , Plesk, Parallels Pro, Interworx, DirectAdmin, H-Sphere, Linux home directory, custom

Linux Backup Manager - Repository Server

-- Physical Memory - 1GB of RAM per open disk safe (concurrent backup/ restores) with an additional 2GB RAM per terabyte of backups
-- CPU – 2 cores minimum plus 1 core per concurrent backup/ restore task.
-- Primary Storage Types - Directly Attached Storage Including: IDE, SATA, SCSI, SAS, ISCSI, Fibre Channel, Dynamic Disks (Software RAID), Hardware RAID, Solid State Drives (SSD)
-- Linux Distributions – 64-bit distributions only: RedHat Enterprise Linux 5.5+, CentOS 5.5+, Oracle Enterprise Linux 5.5+, Ubuntu 10.04+, Debian Squeeze, Novell SUSE Enterprise 10SP2+
-- Disk Safe Locations - Directly Attached Storage, Network Attached Storage Including: IDE, SATA, SCSI, SAS, ISCSI, Fibre Channel, Dynamic

Data Center Console for Server Backup Manager

-- Windows Operating Systems 64-bit only - Windows Server 2012 R2, Windows Server 2012, Windows Server 2008 R2, Windows Server 2008
-- Linux Operating Systems - 64-Bit Linux Distributions, CentOS 5.5+, RedHat Enterprise 5.5+, Ubuntu 10.04+, Debian Squeeze, Novel SUSE Enterprise 10SP2+.