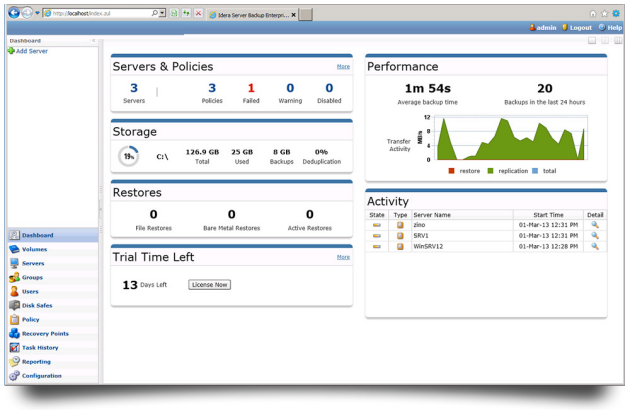
R1Soft Server Backup Manager

Fast, Affordable, and Proven Server Backup Software

R1Soft Server Backup Manager is fast and affordable server backup software for Windows and Linux servers in both physical and virtual environments. It offers a unique solution, Virtual Full Backup, which leverages block level backup technology to reduce backup windows from hours to minutes. This capability ensures unique disk blocks are stored only one time in backup storage, even across thousands of recovery points, allowing users to keep recovery points longer and save space over existing full or incremental backups. Users can backup data as frequently as every 15 minutes with minimal impact to production systems.



WHY R1Soft Server Backup Manager?

The rapid growth of data, shrinking backup windows and budgets, scalability, and multi-platform environments are all challenges for organizations and server administrators. R1Soft Server Backup Manager helps overcome such obstacles by providing fast, affordable disk-based server backup software for multi-platform environments. It provides great value for organizations that have short backup windows and the need to scale backups across many servers on a budget.

Product Highlights

- Onsite & Offsite Backups. Much more efficient disk safe replication with support for Amazon Glacier or your own custom scripts.
- Data Retention Policies Custom replication goals automatically merge and recycle storage
- Disk Safe Verification Reduce the need for test restores with corruption monitoring
- Powerful File Excludes Browse the file system or use advanced rules to exclude using patterns
- AES-256 Disk Safe Encryption Aids in the protection of data stored in backups and shared over the network.

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 over 275,000 servers in world's largest data centers

Affordable
- Everything is included; no additional modules required

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

Scalable
- Manage 1000s 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
- Granular file restore and one-click VM restore

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.

TRY SERVER BACKUP MANAGER FOR FREE!

Technical Features

Fast Backups

- 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.
- Innovative Web Interface: In addition to policy management and reporting, you can browse, download, and restore files from your recovery points using an Explorer-style interface. You can also see the detailed progress of replication and restore jobs as they run.
- Data Retention Policy: Define a replication goal (for example, every 15 minutes) and how many recovery points you will 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 to. 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 Service and Linux Hot Copy are used to produce a point-in-time snapshot of disk volumes, delivering protection for locked and open files.
- Powerful File Excludes: Browse your file system and select any combination of files and folders to be excluded from your data protection policy. Add advanced rule exclude rules using patterns to exclude only certain file types.
- 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 in protection of the data over the network.
- Industrial Strength Storage: Archive up to 32TB of recovery points per disk safe. On-disk journaling passes the ACID test and recovers automatically from crashes and product failure.

Enterprise Management Features

- Central Backup Administration: Manage up to 30 or more 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: Support backups for the most common virtualized platforms including VMware, Hyper-V, Citrix Xen, XenSource, 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 SE now offers LDAP authentication for you to 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 (Simple Object Access Protocol), which is the industry-standard for integrating web services 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

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 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 2014, 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 3.11.X
- 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, Novell SUSE Enterprise, Open SUSE, Mandriva, Cloud Linux, Virtuozzo, OpenVZ
- File Systems - ReiserFS, Ext2, Ext3, Ext4
- Virtualization - Citrix XenServer, VMWare, Linux KVM, Parallels Virtuozzo, Parallels Cloud Server
- 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

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+.

Note: 32-bit Linux distributions are not supported

- Physical Memory - Minimum 8 GB plus 512MB per managed Server Backup Manager
- Free Disk Space - Minimum 10 GB (100 GB+ Recommended)