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STORAGE & BACKUP SOFTWARES

Why Backup Software ?

- Purpose: Backup software creates secondary copies of your critical data and files, ensuring you can access them if anything happens to the original data.
- Storage Options: These copies can be stored on external devices, cloud storage, or separate hard drives.
- Safety Net: Backup software acts as a safety net against data loss due to system crashes, user errors, or cyber-attacks.

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Key Features:

- Comprehensive Platform Coverage: Support for virtual machines, bare metal, and cloud environments.
- Application Awareness: Backup solutions should handle databases and enterprise applications effectively.
- Flexible Backup Targets: Options for tape, disk, or cloud storage.
- Performance and Scalability: Rapid backups with features like deduplication and compression.
- Security Features: AES encryption and other safeguards.
- Disaster Recovery: Ability to restore entire systems.

Top Backup Software Solutions (2024):

- **Acronis:** Comprehensive cyber protection.
- **Veeam:** Ideal for virtual environments.
- Commvault: Diverse data management.
- **Veritas Backup Exec:** Mixed network backups.
- **NetApp:** Integrated data storage.
- **Rubrik:** Cloud data management.
- **Nakivo:** VMWare, Hyper-V, and AWS EC2 support.
- **Druva:** Data protection as a service.
- **Arcserve:** Unified Data Protection: Disaster recovery.

Overview:

- Druva Data Resiliency Cloud is a cloud-native data protection platform.
- It eliminates the need for expensive hardware, software, and services by providing secure, consistently available, and scalable data solutions.
- Druva's unique approach has significantly changed how organizations secure, protect, and utilize their data.

Features and Benefits:

- Simple Registration and Operation: Easy setup and management.
- Hybrid Support: Options for both on-premises servers and cloud servers with separate pricing plans.
- Lightweight Software: Minimal impact on system resources.
- Multiple-Device Support: Backup across various devices.
- De-duplication: Saves 80-90% on storage and bandwidth.
- Secure Data Transportation: Ensures encrypted data transfer over secure connections.

Overview:

- Arcserve Backup is a comprehensive backup and recovery software.
- It specializes in securing valuable digital assets for businesses.
- Arcserve offers business continuity solutions for both new and legacy IT infrastructures, whether on-site or in the cloud.
- The company's advanced technologies mitigate data loss risks and minimize downtime.
- Arcserve simplifies backup and restoration tasks while reducing associated costs.

Key Features:

- Hybrid Support: Works for both on-premises servers and cloud servers.
- Efficient Performance: Offers features like deduplication and compression.
- Application Awareness: Handles databases and enterprise applications effectively.
- Security Measures: Ensures encrypted data transfer over secure connections.

Overview:
- Veeam Backup & Replication is a comprehensive backup and recovery software designed for businesses.
- It provides robust features for data availability, disaster recovery, and efficient management of backups.
- Veeam supports various environments, including virtual, physical, and cloud-based workloads.

Key Features:
- Comprehensive Backup Options:
  - Creates image-level backups of virtual, physical, and cloud-based workloads.
  - Captures all data in a consistent state for fast recovery.
- Instant Restore:
  - Allows temporary restoration of a VM using the backup repository as the temporary disk.
  - Useful for checking data or accessing specific files.
- Storage-Based Backup:
  - Efficiently manages backups by optimizing storage resources.
- Whole Disk or File Recovery:
  - Provides granular recovery options for specific files or entire disks.

Overview:

- Retrospect 17 Solo is part of the Retrospect family, a venerable and reliable backup program.
- It offers comprehensive features for data protection, disaster recovery, and vast media type support.
- The Solo version provides file backup, disaster recovery, and modern features like online storage and storage pool support.

Key Features:

- Handles All Backup Media Types: Supports various backup destinations, including local volumes, network shares, and cloud storage.
- Comprehensive Backup Options: Offers every backup option imaginable, giving you fine control over what's backed up.
- Efficient Workflow: Efficient collapsible function tree, wizard-like script creation, and logical workflow.
- Enterprise Solutions: Retrospect also offers solutions for servers and IT staff, including VM support and a management console.

Overview:

- Quest Rapid Recovery is designed for efficient data protection and disaster recovery.
- It provides features like virtual standby, encryption, replication, deduplication, and the ability to run without restore.
- Quest aims to simplify complex IT operations globally, offering quicker data conversion into insights, cloud-optimized modern infrastructure setup, improved application experience, and comprehensive control over network-interacting devices.
- Excellent disk-based backup software provided by Quest Rapid Recovery.

Veritas Backup Solutions:

- Veritas NetBackup: A reliable data protection solution with a strong track record.
    - Dependable: Veritas NetBackup is a solid backup partner.
    - Stable and Performant: Offers a stable and performant backup solution with all necessary integrations.
    - Great Support: Users appreciate the excellent support provided by Veritas.
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- Veritas Backup Exec: A comprehensive backup solution for businesses.
    - Efficient Performance: Provides efficient backup options.
    - Application Awareness: Handles databases and enterprise applications effectively.