



Linux Backup

Druva Phoenix is an enterprise-class, disk-based backup solution, optimized for remote and branch office servers. It offers a powerful, robust Agent to provide high-performance online backup of Linux Server.

Since applications access files or databases during a backup, some files may be backed up in one state, while others are backed up after an update leading to inconsistent backups. Phoenix uses LVM to log changes to the file-system to the snapshot of the data and takes consistent hot backups. Hierarchical restore points help long-term data retention while unique hyperCache enhances the deduplication speeds.



Features

LVM-Aware Consistent Hot Backups

Logical Volume Manager (LVM) takes a snapshot of any logical volume for the purpose of obtaining a backup in a consistent state. Phoenix uses LVM to log changes to the file-system to the snapshot of the data and takes consistent hot backups.

Flexible Retention Policy

Data retention policies are flexible and easily configurable using the Phoenix Agent for Linux Backup. The administrator can use the same retention policy for all backup sets or, configure exclusive policies for each backup set.

Powerful, Centralized Administration

The Phoenix Agent for Linux Backup is easy to configure and allows remote administration of backups. The administrator can setup backup schedules notifications and retention policies which can be customized for each backup set. The user-friendly GUI and comprehensive reporting allow convenient management of backups.

Notifications

The Phoenix Agent for Linux Backup enables the administrator to receive email notifications which provide summary as well as detailed logs of all backups. This facilitates administration of the Linux Server Backups.

Security

The Phoenix Agent for Linux Backup uses backup agent initiated network connections. Entire network communication between the client and the server is encrypted using 256 bit SSL encryption. Backup storage is encrypted using advanced 256 bit AES encryption, ensuring end-to-end protection of the backup sets.

Phoenix: Backup Schedule

Start backup at: 01 : 00 AM

On following days of the week:

Mon Tue Wed Thu Fri Sat Sun

All days of the week

Network bandwidth: 0 Kbytes/second

Tip: Set to 0 to disable network bandwidth control.

CPU Priority:

OK Cancel

Phoenix: Create File Backup Set

Details Folders Filters Excluded Paths Notifications

Backup set name:

Backup description:

Storage quota: 50 GB

Keep all backups for 7 days

Keep weekly backups for 8 weeks

Keep monthly backups for 12 months

Tip: Set all three to 0 to keep all backups.

Cancel Next

Advantages

Advanced Data Deduplication

The Phoenix Linux Backup agent leverages Phoenix's global source-based data deduplication technology to save a single copy of data duplicated across applications, servers and locations. This guarantees 100% duplicate elimination; saving over 90% backup time, and lowering storage costs by 90%.

near-CDP for low Recovery Point Objective (RPO)

Using near-CDP, the Phoenix server maintains point-in-time copies of data with hierarchical restore points accessible by the Windows Server agent. During restore, a timeline view of the backup sets in the form of multiple restore points is displayed. Each restore point facilitates restoration of a file or folder in the backup set from any point in time.

WAN Optimization

The Linux Server agent provides a flexible backup schedule to run hot backups at the most convenient times without requiring the backup window associated with traditional backup agents.

The Phoenix server provides smart bandwidth throttling based on percentage limits set for different available networks. It automatically calculates optimal packet size and makes the best use of available bandwidth, optimizing use of the backup window and saving over 90% bandwidth and backup time.

Supported Platforms

The Phoenix Linux Server agent supports Ubuntu Linux 8.x and beyond, RedHat/CentOS Linux 5.x and beyond. Backups are created using the Logical Volume Manager (LVM) framework provided by Linux.

The Bottom Line

Enterprises are increasingly dependent on databases for critical transactions. Considering exponential growth in data, they need to identify a database backup solution that fulfils their database protection needs while minimizing the backup and recovery downtime. The Phoenix Agent for Linux Backup is designed keeping mission critical databases in mind. It ensures backups are simple, secure and non-intrusive while uniquely leveraging data deduplication and near-CDP to define new standards of database server backup.

Druva Phoenix features simple setup and configuration, non-intrusive and high-performing backups, point-in-time restores coupled with patent-pending deduplication technology to offer unmatched backup performance and storage savings.

It's scalable up to 16TB of dedupe data and supports nearly 100 agents on a single backup server. With Phoenix, remote office backups are simple, secure, and completely non-intrusive.

Advantages:

- ✓ **Industry-first Application-Aware deduplication** offers 90% storage and bandwidth savings
- ✓ **Cost Reduction** with elimination of tape infrastructure and low storage growth
- ✓ **Multi-platform support** with database specific agents
- ✓ **High performance** with hypercache technology
- ✓ **Deployment Flexibility**
- ✓ **Ease of use** with quick installs and zero manual intervention
- ✓ **Centralized Administration**

Druva Software

+1 408-600-2783

+44 20 3239 3251

www.druva.com

sales@druva.com

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Schlumberger



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