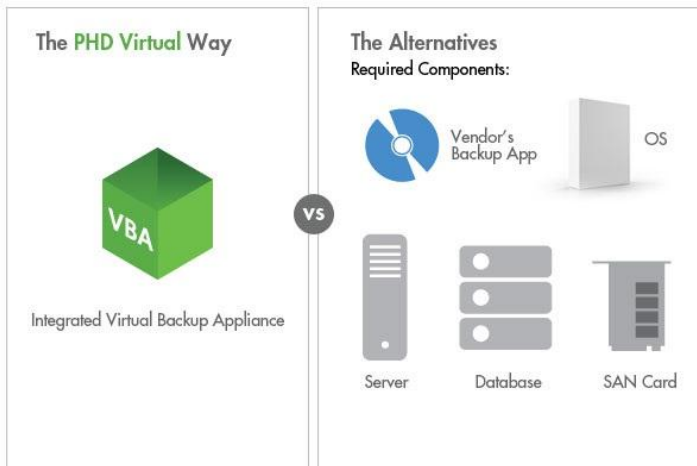


PHD Virtual Backup & Replication v5.4 for VMware vSphere

Easy, Fast, Scalable and Extensible Data Protection and DR

PHD Virtual Backup transforms data protection for VMware environments providing the fastest, easiest, most scalable solution for backup, recovery and replication of virtual machines and data. It starts with PHD Virtual's award winning VBA™ (Virtual Backup Appliance) Architecture that combines all of our unique technologies into a single completely integrated software based virtual appliance.



5 Minutes to Better Backup - Easier to Deploy, Use and Scale

Deploying PHD Virtual Backup is incredibly simple; in fact you can be up in running in 5 minutes or less. Unlike other solutions, you don't need to deploy separate hardware, servers, operating systems and software. The PHD VBA™ is an all in one solution that makes it easy to manage backups directly from vSphere client.

Backup 5X Faster and Optimize Backup Storage

PHD Virtual Backup leverages unique technologies to deliver the fastest backup and recovery times. Virtual Full Backups ensure that only unique data is written after initial backup, removing the need to run subsequent full backups. Multi-Stream Processing backs up multiple VM's and jobs simultaneously. Integrated source side deduplication significantly reduces backup storage requirements by over 90% on average.

Faster, More Flexible Recovery – Dynamic Recovery Technology

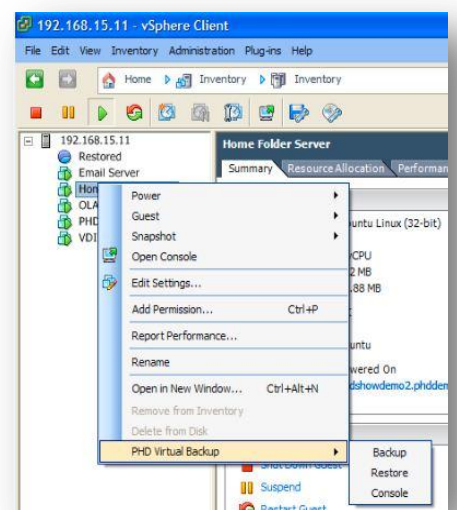
When it comes time to restore, you can be confident that you can do it faster and more reliably with PHD Virtual Backup. With PHD TrueRestore™ and Dynamic Recovery Technology you'll get the fastest, most reliable full restore of VM's and virtual disks along with the ability to instantly recover files and application data (email, records, application objects) directly from backups.

Virtual Machine Replication and Advanced DR

Integrated virtual machine replication enables you to efficiently manage replication of virtual machines to a secondary environment for DR. Intelligent data replication ensures efficient data transfer and a built in test mode enables verification of replicated VM's. Open Export provides faster backup and easier recovery from tape and other long term storage systems.

BENEFITS

- **NEW!** - Extensible API for Enterprise, Private Cloud and Public Cloud Integration
- Efficient Virtual Machine Replication for Effective DR
- Optimized I/O Engine for faster performance
- Up to 8 Concurrent Data Streams per VBA
- Completely integrated software based virtual appliance
- No backup agents, backup servers or hardware required
- Instant recovery of files, data and objects from any application including email and database
- Integrated source side deduplication across all vm's
- Reduce backup storage requirements over 90%
- Manage backup and recovery directly from vSphere client



PRODUCT OVERVIEW

NEW! – Extensible API and SDK - The new PHD Virtual API and SDK makes it easy to integrate backup, recovery and replication with your existing infrastructure and applications. It also provides additional flexibility to extend and customize data protection for your applications and virtual environment.

Virtual Full Backups – After the initial backup only unique data is backed up. You never need to run a full backup again or maintain the chained dependencies of incrementals. Backups just get faster and faster.

Dynamic Recovery Technology – Quickly and easily recover any type of data directly from backup storage without additional software or virtual lab infrastructure.

Fast Full Restore of VM's and Virtual Disks
Instant File Level Recovery for Any OS and Any File System
Instant Application Object Recovery for Any Application (email, database...)

Virtual Machine Replication – Replicate virtual machines easily and efficiently to a secondary site for effective DR, directly from your existing backups.

VM's are replicated directly from existing backups – no additional snapshots
Intelligent Data Replication only writes deduplicated, compressed data
Built-in Test Mode enables verification of replicated VM's

TrueDedupe™ Technology – Integrated source-side deduplication across all virtual machines reduces backup storage over 90% on average

TrueRestore™ Technology – Backup data integrity is verified during both the backup and restore processes. Corrupted data is automatically healed if detected.

Open Export and OpenRestore™ – Open Export provides export of backups to standard compressed OVF format. OpenRestore™ gives you the ability to restore backups directly to VMware hosts without installing PHD Virtual software.

Direct to Storage Restore – LAN-free restore of virtual machines provides faster restore and minimizes impacts to the production network.

Multi-Stream Processing – Processes multiple vm's in backup and recovery jobs simultaneously providing the fastest backup and full vm restore.

Set it and Forget it Job Scheduling – Create jobs based on containers (representing hosts, clusters, folders...), new VM's are automatically backed up.

Backup Retention and Archiving – Flexible trim options can automatically remove old backups based on customizable policies with ability to archive specific backups.

Scalable and Fault Tolerant Deployment – Distributed architecture minimizes single point of failure. Multiple VBA's can be configured to support backup across large and distributed environments.

Tape Friendly Backup Support – Open Export enables export of backups to standard compressed OVF enabling faster backup and easier recovery from tape and other long term storage media.

“PHD Virtual took virtualization concepts to heart when it created backup and recovery for virtualized IT environments. ... the company introduces operational and cost efficiency benefits to rival more established data protection vendors.”

*Lauren Whitehouse
Senior Analyst, ESG*

ADDITIONAL FEATURES

- Job Scheduling Wizards
- Support for Thin Provisioned Disks
- Application Consistent backup leveraging VSS
- Export VM from Backup Storage
- Configurable Compression
- E-mail Notification
- Storage Free Space Warnings
- Distributed Virtual Switch Support
- Dual-NIC support
- Backup vApp Containers

ADDITIONAL INFORMATION

Supported Environments

- VMware vSphere 4.x & 5.x
- ESX and ESXi 4.x & 5.x Hosts

Supported Virtual Machines

- All operating systems supported by VMware
- Any application
- Any file system

Licensing

- Simple, flexible, cost effective per host licensing

For more information contact a PHD Representative today!

Call: 1 (866) 710-1882 Email: sales@phdvirtual.com

