

EVault Agent for VMware

Key Benefits

- Worry-free VMware ESXi protection: protects both online and offline VMs
- Fast, efficient backups: integrated with vStorage APIs (VDAP) and Changed Block Tracking
- Continuous business operations: Hot backups don't impact other processes
- Flexible disk recovery: full VM and individual disk recovery options
- Accelerated recovery with one-step restores: restore entire VMs or select virtual disks
- Easy deployment

One Complete Solution Protects Your Virtual Environments

How do you protect data in your VMware[®] ESXi environment against disaster and rapidly recover the data if anything ever goes wrong—and do it reliably, efficiently, and securely? With one complete solution that protects both online and offline virtual machines (VMs) and adds the benefits of Changed Block Tracking (CBT), hot backups, and one-step restores. EVault[®] Agent for VMware delivers one-stop data protection with state-of-the-art performance optimization and security technologies that ensure your data backup and recovery is as fast and transparent as it is safe.

Don't cobble together multiple backup and recovery products to protect your VMs and physical systems. A single EVault solution is easy to deploy and manage—no additional hardware or VMware licenses required. You get full coverage with EVault even if your systems are running VMware, Microsoft Windows, NetWare, Linux, Sun Solaris, HP-UX, IBM AIX, and IBM System i.

All EVault cloud-connected backup and recovery services blend fast onsite access to your data with offsite redundancy for ensured disaster recovery. It's your choice whether to store your replicated backup data in your own data centers or in the ironclad EVault cloud.

Data Protection Built for Efficiency

EVault data protection employs numerous performance optimization techniques—including bandwidth throttling, source-side deduplication, adaptive compression, and back-end deduplication—that accelerate the backup process, minimize the burden on source systems, and ensure you maintain small storage footprints.

EVault Agent for VMware also features Changed Block Tracking. CBT transmits only changed data, minimizing the data sent and the demand on your network infrastructure for even greater efficiencies. The result: smaller and faster backup windows and huge performance and efficiency gains.

Datasheet

EVault Agent for VMware

How EVault Agent for VMware Works

Backup

1. EVault Agent for VMware is deployed as a VM running in your ESXi environment.
2. Use the EVault CentralControl backup wizard to select the virtual machines you want to back up, then set their backup schedules and retention policies.
3. The Agent automatically backs up each selected VM, collecting new or changed data, compressing and encrypting the data, and then storing it in the EVault Director.

Single-Pass Restore

1. Select the destination ESXi server, recovery point, VM(s) to be restored, and the restore location.
2. The Agent recreates the VM, including machine information and disks, in a single pass.
3. Once the files are restored, the Agent registers the VM on the ESXi server so that it is ready for power-up.

Data Encryption for End-to-End Security

EVault data protection encrypts data at the source (prior to transmission) and over the wire (during transmission), and your data remains encrypted while in storage. During restores, the data will be decrypted only after the correct encryption key has been entered. To ensure the highest level of security, only you hold the encryption key.

Protection Without Business Disruptions

To maintain virtual machine operations, EVault Agent for VMware conducts hot backups. If you use vMotion for server maintenance or hardware upgrades, your backups will continue seamlessly. Rest assured that your VMs and your business are covered.

Features and Benefits

Feature	Benefits
Supports Mixed ESX/ESXi and Pure ESXi Environments	<ul style="list-style-type: none">• One backup and recovery technology platform for all VMware environments:<ul style="list-style-type: none">— Pure ESXi cluster— vSphere 4.0— vSphere 5.0
Changed Block Tracking (CBT)	<ul style="list-style-type: none">• Track changes in specific points of time• No need to scan all VMs at the beginning of the backup operation• Dramatically reduce amount of data to be backed up• Get fast and efficient synthetic backups
Hot Backups	<ul style="list-style-type: none">• Back up VMware VMs while they are online and running• Run business-critical applications continue uninterrupted
Simple to Deploy	<ul style="list-style-type: none">• Pre-installed, turnkey solution—delivered in Open Virtualization Format (OVF)• Simple deployment on a single technology platform• Simple configuration using a management console
Supports Storage vMotion and Vstorage	<ul style="list-style-type: none">• Continuous backups• No need to re-seed, minimizing backup windows, bandwidth, and storage requirements• With Storage vMotion, back up deltas• Improved storage and accelerated backup times
Single-Pass Restores	<ul style="list-style-type: none">• Fully recover any protected VM, including the appliance, in a single operation• Return to operations with just a few clicks• Use flexible recovery options to restore a VM to its original or alternate location
Virtual Appliance Deployment	<ul style="list-style-type: none">• Simple deployment minimizes maintenance costs• An agentless solution protects all VMs without requiring Agent software on individual VMs• Cost-effective—does not require additional hardware or VMware licenses
Centralized Management	<ul style="list-style-type: none">• One management console to set backup schedules, retentions, and restores• Simple management interface lets you restore VMs from anywhere in the world

Take the Next Step

To learn more about EVault storage solutions, call us at 1.877.901.DATA (3282), email us at concierge@evault.com, or visit us at www.evault.com.



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