

Carbonite Server VM Edition for Service Providers

Protection and management for VM deployments

A complete data protection solution ensures the safety of every system you're responsible for. With Carbonite Server VM Edition for Service Providers, you can offer a fully integrated service that protects virtualized environments—both locally and in your cloud. Carbonite Server can also protect the VMs you're hosting within your infrastructure-as-a-service (IaaS) environment, opening up new revenue streams for you. With scalable back-end management, there are no limits to your growth.

Carbonite Server VM Edition for Service Providers is an agentless, hypervisor-level solution. It includes a multi-tenant, web-based console for configuring protection—both at your clients' sites and in your cloud. With this centralized portal and API, you can remotely manage all of your customers together. The solution also enables fast, flexible recovery of VM data in minutes.

Protect and perform

Bandwidth consumption is especially critical for managing growing environments. Carbonite uses advanced compression to reduce the size of backups and the amount of storage needed for backup. Scalable storage pools—including DAS, NAS or SAN storage—allow you to easily adapt as your requirements change. Once the initial backup is complete, the solution performs forever-incremental backups for efficient, long-term retention. This enables backup frequency (RPO) as often as every 15 minutes—and RTOs of only a few minutes with local failover.

Critical capabilities

Carbonite Server provides several options for recovering VM data. Flexible restore options include full VM restore (including cross-hypervisor restore), and granular recovery of files, folders and application data (Exchange, SharePoint, SQL, Active Directory). Rapid restore options allow you to restore directly on the backup server in under two minutes, or restore multiple VMs onto any hypervisor.

With rapid recovery on the backup server, you can easily spin up a test environment, verify functionality and generate a backup integrity report. The solution is agentless, saving you time and resources on each guest. Backups are taken directly from the hypervisor layer.

The solution also enables you to create separate retention policies for onsite and cloud backup. You can configure local retention at your customers' sites, and in your cloud.



Key features and benefits

- Multi-tenant web portal and API
- Easily white-labeled for integration into your brand
- Secure local backup and cloud backup with optional hardware—all from one vendor
- Accelerated backup using SAN access or hot-add disk mounting
- Compressed, encrypted, forever-incremental backups (AES 256-bit, in flight and at rest)
- Restore to hypervisor (ESXi, vCenter, Hyper-V, including cross-hypervisor restore)
- Recover directly from backup in under two minutes
- Granular recovery (files, folders, Exchange, SharePoint, SQL, Active Directory)
- Local failover for quick recovery and minimal downtime
- Mount backup data for fast granular access
- Download or restore a virtual disk (VHD, VMDK, RAW, etc.)

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How it works

The local backup server connects to the host and takes an agentless backup of the selected VMs. The backed-up data is compressed, reducing the data footprint and accelerating uploads to your cloud. Once seeded, the server performs incremental backups, recording only changes. The backup server updates on schedule every 15 minutes—or longer if so configured—while securely sending changes to your cloud on a separate schedule

There are multiple options for recovering a failed VM:

1. Restore one or multiple VMs onto any hypervisor.
2. Recover by spinning up a VM on the backup server and restoring directly from backup.
3. Perform granular restore of files, folders or application elements.

The solution can also facilitate offsite recovery of VM data from your cloud for disaster recovery scenarios.

Complete data protection

Carbonite has built a comprehensive Data Protection Platform to safeguard data across physical and virtual environments. Offerings include: backup for physical servers, high availability for critical workloads, data migration solutions and endpoint protection. All Carbonite solutions feature award-winning customer service and support from certified experts.

To learn more, contact your Carbonite representative today.

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Supported platforms

Host:

- VMware vSphere 5.5 and greater
- Microsoft Server Hyper-V 2012 R2 and 2016

Guest:

- All OSs and applications supported by VMware
- All OSs and applications supported by Hyper-V

Granular Restore:

Files/folders :

- Microsoft Exchange
- Microsoft SQL databases and tables
- Microsoft SharePoint
- Microsoft Active Directory

