

# Carbonite Server VM Edition

## Efficient, hybrid backup for VMware and Hyper-V

A complete data protection solution ensures the safety of all systems. It also matches each system with technology that leverages the features of the platform to optimize the performance of the backup, flexibility of the recovery and scalability of the solution. In a virtualized environment, this means a hypervisor-level backup technology.

Carbonite Server VM Edition is purpose-built for virtual environments. Protection is configured both onsite and in the cloud. This enables fast, flexible recovery of VM data in minutes. The solution is fully cloud-integrated, so there's no need to procure additional cloud services.

### Complete protection for VMs

Carbonite Server VM Edition protects virtual workloads onsite to enable rapid recovery. Deployed on a local server, backups are consolidated onsite before additional cloud backup.

### Protect and perform

Bandwidth conservation is critical for virtual environments that are growing—and managing it is a frequent pain point for IT. Carbonite Server VM Edition uses advanced compression to reduce the size of backups. Once the initial backup is complete, the solution performs forever-incremental backups, enabling greater backup frequency and minimizing data loss.

### Critical capabilities

IT managers in charge of administering protection have several options for scheduling backups and 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 users to restore directly on the backup server in under two minutes—or restore multiple VMs onto any hypervisor

With the ability to perform rapid recovery on the backup server, IT can easily spin up a test environment, verify functionality and generate a backup integrity report. The solution is agentless, which saves time and resources. Backups are taken directly from the hypervisor layer.

Carbonite Server VM Edition also enables businesses to create separate retention policies for onsite and cloud backup. Recent backups can be kept on local storage, while version history is stored safely in the cloud for up to seven years.



### Key features & benefits

- Secure local and cloud backup with optional, integrated hardware – all from one vendor
- 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)
- 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 cloud uploads (since less data goes to the 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 the 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.

Carbonite Server VM Edition can also facilitate cloud recovery of VM data 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 professional 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

