

How to Protect Your Virtual Infrastructure with **Acronis** Backup 12.5

Installation

Protecting your virtual servers with Acronis is easy. Simply install the touch-friendly management console of Acronis Backup 12.5 on a Windows® or Linux® server or a PC, add your VMware vSphere® and Microsoft Hyper-V® hosts, and deploy the hypervisor-level agents. You can also deploy the agents directly to the VMs for a guest-based backup to protect:

- vSphere Hypervisor® (free ESXi)
- VMware VMs with physical RDMs
- VMware VMs with independent disks
- Hyper-V VMs with pass-through disks
- VMs with guest-initiated iSCSI disks
- Citrix® XenServer
- Red Hat® Virtualization
- Linux® KVM
- Oracle® VM Server

Backup

After installation, schedule your backups and select your storage destinations - including local and network disks, tape devices, or secure Acronis Cloud Storage. You can set your retention policy, copy backups to a secondary location, and enable encryption for additional security and peace of mind.

Recovery

When it comes to the most important feature - recovery - Acronis is the most comprehensive solution available. Acronis Universal Restore not only restores your backup to the same hardware, but to dissimilar hardware as well, including different hypervisors, physical machines, or cloud like Microsoft Azure® and Amazon EC2®.

Hosts and Management Systems Recovery

One of the unique capabilities of Acronis Backup 12.5 is the ability to back up VMware ESXi or Microsoft Hyper-V hosts, not just VMs. And since you can restore to either the same or dissimilar hardware, you can avoid reconfiguring the host from scratch (or having to remember that second private IP address).

File Recovery

If you only need to restore a single file or folder, Acronis makes it easy. You can browse your backups and restore just the desired file. For even faster results, you can search the contents for the specific file. You can also mount the backup as a virtual drive in your Windows system and use any application (including anti-virus software) to access the contents or make modifications.

Application Item Recovery

If your VM includes an application like Microsoft Exchange®, Acronis Backup 12.5 will create application-aware backups that follow vendor guidelines, such as truncating transaction logs and saving necessary metadata.

That allows you to restore individual application items later, including:

- Microsoft Exchange® mailboxes, folders or emails
- Microsoft SQL® databases
- Microsoft SharePoint® documents
- Oracle® databases, tablespaces, and logs

BUSINESS REALITY

47%

of businesses were attacked by ransomware in 2016

68%

of businesses use or plan to use hybrid infrastructure, consisting of physical, virtual, and cloud servers

500,000

businesses rely on Acronis to protect their data and systems

[TRY NOW](#)[LEARN MORE](#)

ONLY ACRONIS BACKUP 12.5

Delivers **hybrid cloud and on-premises data protection** for small and medium-sized businesses using a touch-friendly, web-based console to back up and recover all individual workloads

Includes **Acronis Instant Restore** that allows you to **reduce RTOs to seconds** by running any physical or virtual Windows or Linux system backup as VMware or Hyper-V VM with a few clicks and without standby hardware

Eliminates the need to recover from ransomware attacks by proactively defending systems with Acronis Active Protection

Supports the protection of **21 types of physical, virtual, cloud, end-user, and mobile devices**, delivering easy, complete, and affordable data protection

Includes **Acronis Notary**, which improves regulatory compliance, establishes the validity of recovery, and ensures authenticity and integrity of your backups with Blockchain.

Gives you **complete control over the location of your data, systems, and backups**, improving regulatory compliance and ensuring data sovereignty.

BEST FOR ANY BUSINESS

Small Offices / Home Offices

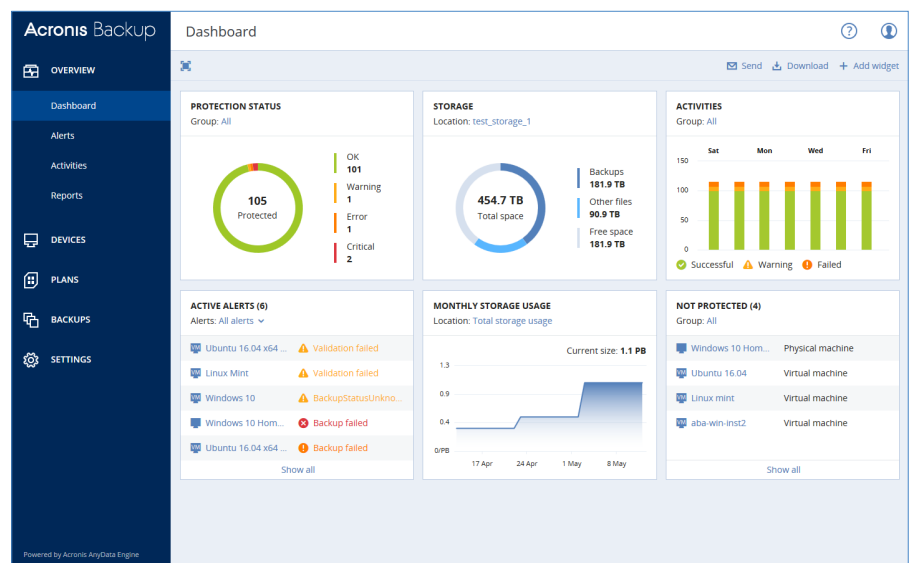
If you have just one server that's running VMware vSphere Hypervisor (free ESXi), you can install Acronis Backup 12.5 on any Windows or Linux VM and store your backups to an external USB drive. Then you deploy the agents to the rest of your VMs and schedule your backups to ensure your data is protected. For greater data security, store a copy of your backups in Acronis Cloud Storage, a reliable and secure off-site destination that protects your backups from major disasters, like fire or flood.

Small Businesses

For small businesses that rely on a few VMware or Hyper-V hosts, the most popular backup device is network-attached storage (NAS). Acronis Backup 12.5 installs easily on any of your Windows or Linux machines (including Hyper-V host) so you can deploy the agents. Through the console, you can see all your VMs, schedule your backups, and store them on your NAS. Store an off-site copy in secure and affordable Acronis Cloud Storage to ensure your business data is safe from any event - including disasters that might destroy the local NAS backup.

Medium-sized Businesses

If you have a distributed environment, Acronis offers a variety of solutions to scale your data protection without increasing the complexity. You can take advantage of agentless and agent-based backups, machine grouping, backup policies, customisable dashboards, admin roles, and advanced reporting. Centralised deduplicated storage helps you optimise disk and network bandwidth utilisation. Acronis also offers a complete set of professional services to help grow your business, including consulting, design, and implementation.



Easy management with customisable dashboards in the Acronis Backup 12.5 Web Console

KEY FEATURES TO PROTECT YOUR BUSINESS

Agentless, Agent-Based, and Virtual Host Backup

Protect all the data on your VMware vSphere and Microsoft Hyper-V VMs with complete and reliable agentless backup. For physical RDM, independent disks, guest-initiated iSCSI, and other hypervisors, simply install the agent and create a guest-level backup. Acronis also backs up your ESXi and Hyper-V host for complete protection of your entire virtual infrastructure.

Changed Block Tracking

Significantly reduce backup time, network usage, and storage requirements with seamless integration with VMware Changed-Block Tracking (CBT) and Microsoft Hyper-V Resilient Change Tracking (RCT).

Integrated VMware vSphere Replication with WAN Optimisation

Reduce recovery time objectives (RTOs) of your VMware VM by maintaining a copy on a secondary site, allowing for quick failover and failback operations. You can also improve network performance with built-in Wide-Area Network (WAN) optimisation.

SAN Storage Snapshots

Reduce the impact that your backup process has on your infrastructure by offloading VMware VM snapshots to NetApp® SAN storage.

FEATURES TO RECOVER YOUR SYSTEMS

Acronis Instant Restore

Achieve RTOs of 15 seconds or less by starting your backup as a VMware or Hyper-V VM directly from backup storage; no data movement required.

Acronis vmFlashback

Speed up restore of VMware or Hyper-V VMs by restoring only the data blocks necessary to revert the VM to the original state.

Easy Granular Recovery

Reduce RTOs by restoring folders, files, databases, documents, mailboxes, and individual emails directly from your VM backup — no third-party tools or extra steps required.

Host Bare-Metal Recovery

Avoid having to reconfigure your hypervisor systems during a recovery by backing up your virtual host (including ESXi) so you can restore the entire host (not just VMs) to the same or dissimilar hardware.

FEATURES TO SIMPLIFY MANAGEMENT

Centralised Web Console

Reduce your workload with a touch-friendly, web-based management console that is accessible from any device, including tablets.

Advanced Reporting

Increase system resiliency by learning from the insights you get with regular, customisable reports that allow you to focus on the exceptions in your infrastructure.

STORAGE OPTIONS FOR YOUR BACKUPS

Local disks, NAS, SAN

Reduce RTOs of individual systems and speed up granular recoveries with support of local and network-based disk storage. There's no need to establish backup or media servers.

Tape Drives, Autoloaders, and Tape Libraries

Satisfy any regulatory requirements or disaster recovery needs by storing backups on local or central tape devices. Includes support for media management, tape rotation, and detailed retention rules.

Acronis Cloud Storage

Ensure recovery from any disaster and maintain your data sovereignty by storing backups in any one of more than 14 secure and reliable Acronis Cloud Data Centers.

INNOVATIONS FOR BETTER PROTECTION

EXCLUSIVE! Acronis Active Protection™

Protect your users from ransomware attacks with technology that actively detects, blocks, and reverses suspicious changes to data, including backup files and backup agents.

EXCLUSIVE! Acronis Notary™

Ensure the authenticity and integrity of backups by storing backup file checksum certificates in the Blockchain database, so you can detect unauthorised changes to your backups before recovery.

SUPPORTED SYSTEMS

Hypervisors

- VMware vSphere ESX(i) 6.5, 6.0, 5.5, 5.1, 5.0, 4.1, including vSphere Hypervisor (free ESXi)*
- Microsoft Hyper-V Server 2016, 2012R2, 2012, 2008R2, 2008
- Microsoft Windows Server 2016, 2012R2, 2012, 2008R2, 2008 with Hyper-V
- Microsoft Windows 10, 8.1, 8 (x64) with Hyper-V
- Citrix XenServer 4.1-6.5*
- Red Hat Enterprise Virtualization 2.2-4.0
- Linux KVM
- Oracle VM Server 3.0-3.3

Microsoft Windows in Virtual Machines

- Windows Server 2016, 2012 R2, 2012, 2008 R2, 2008, 2003 R2, 2003*
- Windows Small Business Server 2011, 2008, 2003 R2, 2003
- Windows MultiPoint Server 2012, 2011, 2010
- Windows Storage Server 2012 R2, 2012, 2008 R2, 2008, 2003
- Windows 10, 8.1, 8, 7, Vista, XP SP3

Linux in Virtual Machines

- Linux with kernel from 2.6.9 to 4.9 and glibc 2.3.4 or later
- Various 32-bit (x86) and 64-bit (x86_64) Linux distributions including:
 - Red Hat Enterprise Linux 4.x - 7.3
 - Ubuntu 9.10 - 16.04
 - Fedora 11 - 23
 - SUSE Linux Enterprise Server 10 - 12*
 - Debian 4 - 8.5
 - CentOS 5.x - 7.3
 - CloudLinux 7, 7.1
 - ClearOS 5.x, 6.x, 7, 7.1
 - Oracle Linux 5.x - 7.3 (including UEK)

Virtualised Applications

- Oracle Database 12, 11
- Microsoft Exchange Online
- Microsoft Exchange Server 2016, 2013, 2010, 2007 – including cluster configurations
- Microsoft SQL Server 2016, 2014, 2012, 2008 R2, 2008, 2005 – including cluster configurations
- Microsoft SharePoint 2013, 2010 SP1, 2007 SP2, 3.0 SP2

Operating Systems for On-Premises Console

- Windows Server 2016, 2012/2012 R2, 2008/2008 R2*
- Windows Small Business Server 2011, 2008
- Windows MultiPoint Server 2012, 2011, 2010
- Windows Storage Server 2012/2012 R2, 2008/2008 R2
- Windows 10, 8.1, 8, 7
- Linux x86_64 with kernel from 2.6.18 to 4.9 and glibc 2.3.4 or later

Storage

- Local disks – SATA, SCSI, IDE, RAID
- Networked storage devices – SMB, NFS, iSCSI, FC
- Removable media – ZIP, Rev, RDX, etc.
- External HDDs and SSDs – USB 3.0/2.0/1.1 and IEEE1394 (Firewire)
- Tape drives, autoloaders, and libraries, including media management and barcode support
- Acronis Cloud Storage

File Systems

- FAT16/32
- NTFS
- HFS+ *
- ReFS *
- ext2/ext3/ext4
- ReiserFS3, ReiserFS4 *
- XFS *
- JFS *
- Linux SWAP

* Some limitations may apply.

[Click here for details.](#)

Web browsers

- Google Chrome 29 or later
- Mozilla Firefox 23 or later
- Opera 16 or later
- Windows Internet Explorer 10 or later
- Microsoft Edge 25 or later
- Safari 8 or later (running in Apple OS X and iOS)

Acronis

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