# Acronis
# Backup Advanced

## Unified Backup And Recovery Solution For Multi-System Environments

What happens if your organisation loses its data? Since data is your organisation's most critical corporate asset, loss of data will lead to significant financial loss – unproductive employees, dissatisfied clients, lost sales and extra costs. If you are subject to regulatory compliance, you can also find yourself in a non-compliant state, resulting in high fines and brand damage. With the volume of data exploding and the information technology landscape evolving to hybrid cloud environments, you know protecting your data everywhere is vital to ensure business continuity.

Acronis Backup Advanced delivers easy, complete and safe data protection for your entire environment – unifying backup of your on-premise systems and cloud workloads. Powered by the Acronis AnyData Engine, the solution provides a single pane of glass management console for complete backup and recovery of your physical Windows® / Linux® servers and PCs; virtual VMware® vSphere ESX(i), Microsoft Hyper-V®, Citrix XenServer®, Red Hat® Enterprise Virtualization, and Oracle® VM Server systems; and your Microsoft Exchange®, SQL Server®, SharePoint®, Active Directory®, and Oracle Databases.

## BENEFITS

**Powerful**, yet affordable backup solution powered by the Acronis AnyData Engine

**Modular** architecture lets you expand protection as your business grows

**Centralised** management and reporting eases IT administration

**Flexible** recovery options simplify disaster recovery and help ensure business continuity

**Easy** to install and configure, requiring virtually zero training

**Complete** yet easy to install, configure, and manage

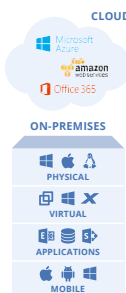## ACRONIS HYBRID CLOUD ARCHITECTURE

### Unified Centralised Web Console
User Interface Deployed On-premises or in the Cloud

**Any Protection**
- Archiving
- Backup
- Cloud Storage
- Disaster Recovery
- e-Discovery
- File Sync and Share
- Monitoring

**Any Workload**

CLOUD

Microsoft Azure
amazon web services
Office 365

ON-PREMISES
- PHYSICAL
- VIRTUAL
- APPLICATIONS
- MOBILE

**Any Storage**

CLOUD

Acronis
Microsoft Azure
FTP/SFTP
amazon web services

ON-PREMISES
- DISKS
- TAPE
- NAS
- SAN

**Any Recovery**
- ✔ Data Recovery
  - • File Recovery
  - • Mailbox & E-mail Recovery
  - • Database Recovery
- ✔ System Recovery
  - • Bare-Metal Recovery
  - • Active Restore
  - • Acronis Instant Restore™
  - • vmFlashBack
- ✔ Dissimilar Hardware Recovery & Migration
  - • P2V, V2V, V2P, P2P
  - • P2C, V2C, C2C, C2V, C2P
- ✔ Physical Data Shipment
- ✔ Cloud Disaster Recovery
- ✔ Replication
- ✔ High Availability

**Acronis Protects all Your Data –
On-Premises, Remote, Private Cloud, Public Cloud, Mobile**

# TRUSTED BACKUP

**Disk-Image Technology** – The Acronis AnyData Engine saves complete images to a variety of backup targets including local disk, network storage, tape, and cloud. You then have the ability to recover the complete image or selected files, folders, and applications.

**Business Applications Protection** – The Acronis AnyData Engine provides consistent single-pass backup and application-aware restore for Microsoft SQL Server, SharePoint, and Active Directory. Acronis also provides Exchange backup with support for clustered Exchange configurations, enabling granular recovery of individual Exchange items like emails or mailboxes. In addition, Acronis supports backup and recovery of Oracle Database servers and data.

**Complete Virtual Server Protection** – The Acronis AnyData Engine provides support for popular virtualization technologies including agentless backup and migration capabilities between various hypervisors and physical machines (P2V, V2V, V2P, and P2P).

**Centralised Management** – Manage all physical systems, VMs and application backups locally or remotely with the Acronis Management Server. Assign backup plans to one or more machines, review status updates, generate reports, and receive alerts – all from a single console.

**Modular Architecture** – The Acronis AnyData Engine's modular architecture lets you add more data protection to your core solution at any time. Get the solution that you need today and as your business grows, expand protection to your new servers or workstations without having to install a completely new backup environment.

**Compression and Deduplication** – With built-in, block-level data deduplication and compression, backup data volumes are reduced by up to 90%, optimising backup speed, reducing storage requirements, and minimising network loads.

**Backup Replication and Staging** – Upon completion of the backup process, the Acronis AnyData Engine automatically replicates backup data between various storage locations, including Acronis Cloud. Staging automatically moves the backup data to a new storage location when the retention period for the current storage media expires. Acronis deletes older backups at the end of the retention period to save space for newly created backups.

**Acronis Universal Restore** – Restore your Windows or Linux systems to dissimilar hardware or quickly recover your entire server onto bare metal and minimise expensive downtime.

**Acronis Active Restore** – Unique technology enables users to start working before the restore is complete by copying only the files they need for fast recovery. The rest of the data is restored in the background.

**Catalogue and Indexing** – The Acronis AnyData Engine provides backup indexing and a centralised catalogue so you can quickly find a particular version of a disk image, file, folder, application database, or individual data item – even if backups are stored on different storage media.

**Encryption** – The Acronis AnyData Engine encrypts data, in transit and in rest, using military grade AES-256 encryption, helping to protect your data from unauthorised access.

**Validation and Consolidation** – With the Acronis AnyData Engine, you can validate backups manually or schedule them to ensure systems and user data are recoverable. Consolidation of incremental backups helps save additional storage space.

## EASY TO BACKUP AND RECOVER

Protect any data, in any environment, across all locations

Enjoy best-in-class individual technologies optimised for your most important workloads

Benefit from individual technologies seamlessly integrated into a unified backup solution for all of your physical and virtual server backup needs

Capture all data in one easy step with image-based backups

Back up to local disk, network disk, tape, and cloud storage

Easily recover to any hardware or virtual machine

Recover individual files, folders, applications and complete systems in minutes

# LICENSE OPTIONS

## Subscription licenses (recommended)

Affordable option for complete protection, including technical support and free upgrades. Available in one-, two-, and three-year options to suit your business needs:

- **Acronis Backup Advanced for Server:** Complete protection of any physical server or virtual host, including supported applications
- **Acronis Backup Advanced for Workstation:** Image and file backup of entire Windows-based PCs
- **Acronis Cloud Storage:** Flexible add-on of scalable offsite storage in secure Acronis Data Centers, including support of initial seeding and large-scale recovery

## Perpetual licenses

Specialised option, including first year of technical support and free upgrades:

- **Acronis Backup Advanced Universal License:** Complete protection of any physical or virtual system, including supported applications
- **Acronis Backup Advanced for Windows Server:** Image and file backup of entire Windows-based physical server
- **Acronis Backup Advanced for PC:** Image and file backup of entire Windows-based PC
- **Acronis Backup Advanced for Linux Server:** Image and file backup of entire Linux server
- **Acronis Backup Advanced for VMware / for Hyper-V:** Agentless and agent-based backup for VMware / Hyper-V virtual machines including application support for Microsoft Exchange, SQL Server, SharePoint and Active Directory
- **Acronis Backup Advanced for Citrix XenServer / for RHEV / for Oracle VM:** Agent-based backup for Citrix XenServer / RHEV / Oracle VM virtual machines running Windows or Linux as guest operating system including application support for Microsoft Exchange, SQL Server, SharePoint and Active Directory
- **Acronis Backup Advanced for Exchange:** Backup of Microsoft Exchange servers, databases and mailboxes with cluster support, cataloguing, search and granular recovery
- **Acronis Backup Advanced for SQL / for SharePoint:** Single-pass backup of Microsoft SQL Server or any server role in a SharePoint farm with application-aware restore, from a single database / content database to the entire server
- **Acronis Backup Advanced for Active Directory:** Single-pass backup and authoritative and non-authoritative restore of Domain Controllers, Active Directory databases, SYSVOLS and logs
- **Acronis Cloud Storage:** Flexible subscription to scalable offsite storage in secure Acronis Data Centers, including support of initial seeding and large-scale recovery

# KEY FEATURES

## Safe, Flexible Backup

- Image-based backup of entire systems
- File-based backup of selected local folders or network shares
- Integrated backup for Microsoft Exchange Server
- Single-pass backup for Oracle Database Server, Microsoft SQL Server, SharePoint, and Active Directory

## Improved Disaster Recovery

- Full system recovery in minutes
- Recovery of Windows or Linux machines to the same or dissimilar hardware or a VM

## Simplified Data Recovery

- Centralised catalogue and search capabilities across all backups – even if backups are stored on different storage media
- Recovery of files, folder, databases, mailboxes, emails, and other items
- Granular recovery from Exchange database backups

## Easy-to-Use Centralised Management

- Easy-to-use centralised management of all physical systems, VMs, and application backups
- Intuitive user interface makes it easy to install, configure, and deploy
- Centralised alerting and reporting system

## Powerful and Efficient Storage Management

- Automatic validation and clean-up of old backups
- Replication / staging automatically stores backups in multiple locations, including Acronis Cloud Storage
- Data encryption (AES-256) for secure data access, storage, and transfer
- Block-level source- and target-side variable block size deduplication and compression reduce storage volumes by up to 90%

# SYSTEM REQUIREMENTS

**Acronis**

## Supported Microsoft Windows
- Windows Server 2016
- Windows Server 2012/2012 R2, 2008/2008 R2, 2003/2003 R2
- Windows Small Business Server 2011, 2008,2003/2003 R2
- Windows MultiPoint Server 2012, 2011, 2010
- Windows Storage Server 2012/2012 R2, 2008/2008 R2, 2003
- Windows 10, 8/8.1, 7
- Windows Vista
- Windows XP Professional SP2+ (x86, x64)
- Windows 2000 SP4*

## Supported Linux
- Linux with kernel from 2.4.20 to 4.5 and glibc 2.3.2 or later
- Various 32-bit (x86) and 64-bit (x86_64) Linux distributions, including:
  - Red Hat Enterprise Linux 4.x - 7.x
  - Ubuntu 9.10 - 16.04
  - Fedora 11 - 24
  - SUSE Linux Enterprise Server 10 - 12
  - Debian 4 - 8.5
  - CentOS 5.x - 7.x
  - CloudLinux 7, 7.1
  - ClearOS 5.x, 6.x, 7, 7.1
  - Oracle Linux 5.x - 7.x (including UEK)

## Supported Hypervisors
- VMware vSphere ESX(i) 6.0, 5.5, 5.1, 5.0
- Microsoft Windows Server 2016 with Hyper-V
- Microsoft Hyper-V Server 2016
- Microsoft Hyper-V Server 2012/2012 R2, 2008/2008 R2
- Microsoft Windows Server 2012/2012 R2, 2008/2008 R2 with Hyper-V
- Microsoft Windows 10, 8/8.1 (x64) with Hyper-V
- Citrix XenServer 4.1 - 6.5
- Red Hat Enterprise Virtualization 2.2 - 3.6
- Oracle VM Server 3.x
- Linux KVM

## Supported Applications
- Microsoft Exchange Server 2016, 2013, 2010, 2007, 2003 SP2
- Microsoft SQL Server 2016, 2014, 2012, 2008 R2, 2008, 2005
- Microsoft SharePoint 2016, 2013
- Microsoft SharePoint Server 2010 SP1
- Microsoft SharePoint Foundation 2010 SP1
- Microsoft Office SharePoint Server 2007 SP2
- Microsoft Windows SharePoint Services 3.0 SP2
- Oracle Database 12, 11 – single-instance configurations+

## Supported Storage
- Local disks - SATA, SCSI, IDE, RAID
- Networked storage devices - SMB, NFS, iSCSI, FC, FTP
- Tape drives, autoloaders and tape libraries (including LTO-7)
- Optical media - CD, DVD, HD-DVD, Blu-Ray
- Removable media - ZIP®, Rev®, RDX®, etc.
- External HDDs and SSDs - USB 3.0/2.0/1.1 and IEEE1394
- Private, Hybrid and Public Cloud Storage - FTP, SFTP
- Acronis Cloud Storage

## Supported File Systems
- FAT16/32
- NTFS
- HPFS
- ReFS *
- Ext2/Ext3/Ext4
- ReiserFS3 *
- ReiserFS4 *
- XFS *
- JFS *
- Linux SWAP

For additional information, please visit **www.acronis.com**

* Some limitations may apply. Refer to the **User Guide** for more details.
+ Refer to Acronis Backup Advanced Oracle **Integration Guide** for more details.