Acronis

ACRONIS BACKUP ADVANCED

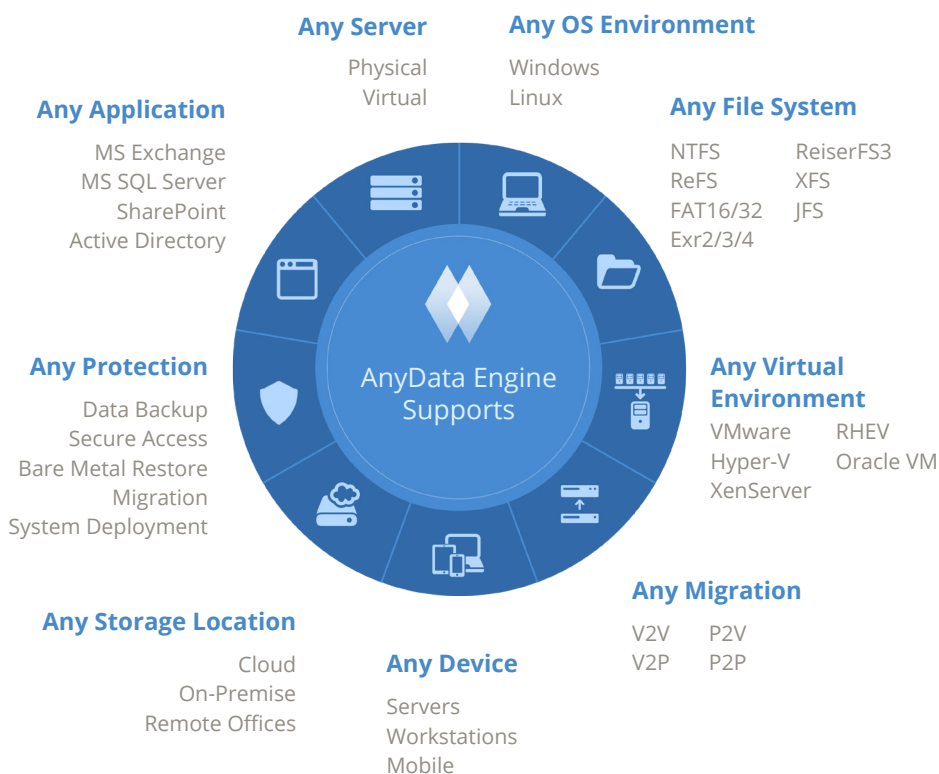## UNIFIED BACKUP AND RECOVERY SOLUTION FOR MULTI-SYSTEM ENVIRONMENTS

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® and Active Directory®.

ACRONIS ANYDATA ENGINE

The Acronis AnyData Engine, built on advanced technology and fueled by over 100 patents, is the most innovative data protection technology available for capturing, storing, recovering, controlling and accessing the critical information your business depends on. It revolutionises data protection by enabling best-in-class innovative technologies - optimised for your most important workloads - to integrate into a total solution that protects any data, across any environment, in any location. The solution includes policy-driven controls and centralised reporting, provides one interface so you can easily manage all physical systems, virtual machines and application backups across your environment.

The Acronis AnyData Engine includes a patented disk-imaging technology to let you capture image-based backups and store all data in a universal backup format, allowing recovery to any hardware or virtual machine to provide the superior flexibility during recovery. You can recover an entire system – with all the data intact – in minutes and you can restore files, folders, and applications to any location in record time.

Any Server
Physical
Virtual

Any OS Environment
Windows
Linux

Any Application
MS Exchange
MS SQL Server
SharePoint
Active Directory

Any File System
NTFS   ReiserFS3
ReFS   XFS
FAT16/32   JFS
Exr2/3/4

AnyData Engine Supports

Any Protection
Data Backup
Secure Access
Bare Metal Restore
Migration
System Deployment

Any Virtual Environment
VMware   RHEV
Hyper-V   Oracle VM
XenServer

Any Migration
V2V   P2V
V2P   P2P

Any Storage Location
Cloud
On-Premise
Remote Offices

Any Device
Servers
Workstations
Mobile

EASY TO BACKUP AND RECOVER

- Protect any data, in any environment, across all locations
- Best-in-class individual technologies - optimised for your most important workloads
- Individual technologies seamlessly integrate into a unified backup solution for all of your physical and virtual server backup needs
- Image-based backups quickly capture all data in one easy step
- Backup 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

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.

Complete Virtual Server Protection – The Acronis AnyData Engine provides support for popular virtualisation 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.

Backup Scheduling – Automatically run backups based on your schedule, pre-defined industry-standard schemes such as GFS (Grandfather-Father-Son), or triggered by specific events.

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 you need for fast recovery. The rest of the data is restored in the background.

Catalog and Indexing – The Acronis AnyData Engine provides backup indexing and a centralised catalog 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.

Throttling – In order to minimise the impact of running backups during production hours, the Acronis AnyData Engine lets you limit network bandwidth and disk-write speed.

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 to ensure systems and user data are recoverable. Consolidation of incremental backups helps save additional storage space.

ACRONIS BACKUP ADVANCED 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 Backup to Cloud:** Flexible add-on of scalable offsite storage in secure Acronis datacenters, 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, cataloging, search and granular recovery
- **Acronis Backup Advanced for SQL / for SharePoint:** Single-pass backup of Microsoft SQL Server / 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 Backup to Cloud:** Flexible subscription to scalable offsite storage in secure Acronis datacenters, 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 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 catalog 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%

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
- Installation and configuration procedures require virtually zero learning curve
- Complete yet easy to install, configure, and manage

SYSTEM REQUIREMENTS

Supported Microsoft Windows

- Windows Server 2016 Technical Preview 4
- 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 4.4 and glibc 2.3.2 or later • Various 32-bit (x86) and 64-bit (x86_64) Linux distributions, including:
  - o Red Hat Enterprise Linux 4.x - 7.x
  - o Ubuntu 9.10 - 15.10
  - o Fedora 11 - 23
  - o SUSE Linux Enterprise Server 10 - 12
  - o Debian 4 - 8.2
  - o CentOS 5.x - 7.x
  - o CloudLinux 7, 7.1
  - o ClearOS 5.x, 6.x, 7, 7.1
  - o 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 Technical Preview 4 with Hyper-V
- 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 - 3.5
- Oracle VM Server 3.x
- Linux KVM

Supported Applications

- Microsoft Exchange Server 2016*, 2013, 2010, 2007, 2003 SP2
- Microsoft SQL Server 2014, 2012, 2008 R2, 2008, 2005
- Microsoft SharePoint 2013
- Microsoft SharePoint Server 2010 SP1
- Microsoft SharePoint Foundation 2010 SP1
- Microsoft Office SharePoint Server 2007 SP2
- Microsoft Windows SharePoint Services 3.0 SP2

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
- ReFS *
- Ext2/Ext3/Ext4
- ReiserFS3 *
- ReiserFS4 *
- XFS *
- JFS *
- Linux SWAP

* Some limitations may apply. Refer to the User Guide at www.acronis.com/support/documentation/ for more details.