

# Acronis

# Acronis Disaster Recovery add-on

On top of Acronis Cyber Protect - Backup

Spencer Mak – Lapcom Ltd.



Dual headquarters  
in Switzerland and Singapore

# Acronis Cyber Backup

Stay ahead with the most secure backup

## Easy

### Back to work in mere seconds

- Get back to work easily by starting your backup as a VM - so quick that no one realizes there was a problem
- Accelerate your recovery up to 2 times by flexibly restoring servers or PCs to bare metal or dissimilar hardware
- Reduce the recovery time of VMs up to 100 times by saving only changed blocks of information in the backup

## Efficient

### No impact on production systems

- Save money on infrastructure by leveraging on-premises or cloud deployment models for management server
- Retain 20 percent work hours with simplified administration, allowing IT generalists to perform backup tasks with minimal involvement
- Save up to 10x with cloud storage adoption as your data/device growth

## Secure

### Keep your data protected

- One solution for 20+ platforms – physical and virtual, clouds, apps and mobile
- Eliminate ransomware attacks with built-in cyber threat protection - 200,000 unique attacks prevented
- Ensure data integrity with our innovative blockchain-based technology which prevents attacks targeting archive files

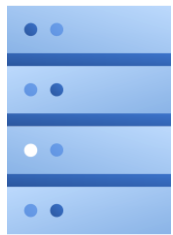
# 20+ Platforms Protected

Backup solution that outpaces technology: new platforms with every release



# Backup is not disaster recovery

## Backup



Your data

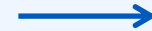


Backed up  
data

## Disaster Recovery



Your data



Backed up  
data



Cloud infrastructure  
to run servers  
up data

# Why Disaster Recovery as a Service?

## Traditional DR

- Redundant infrastructure
- Hardware cost impact up to 2 times
- Maintenance cost
- Dedicated IT Support
- More capital spending as company growth

## Cloud DR

- Reliable and secured cloud backup
- No H/W cost and capital expense
- Easily scalable
- Easily managed from everywhere, any device
- Allows automated failover

# Acronis

## Acronis Disaster Recovery add-on

#1 effortless Cloud-based disaster recovery

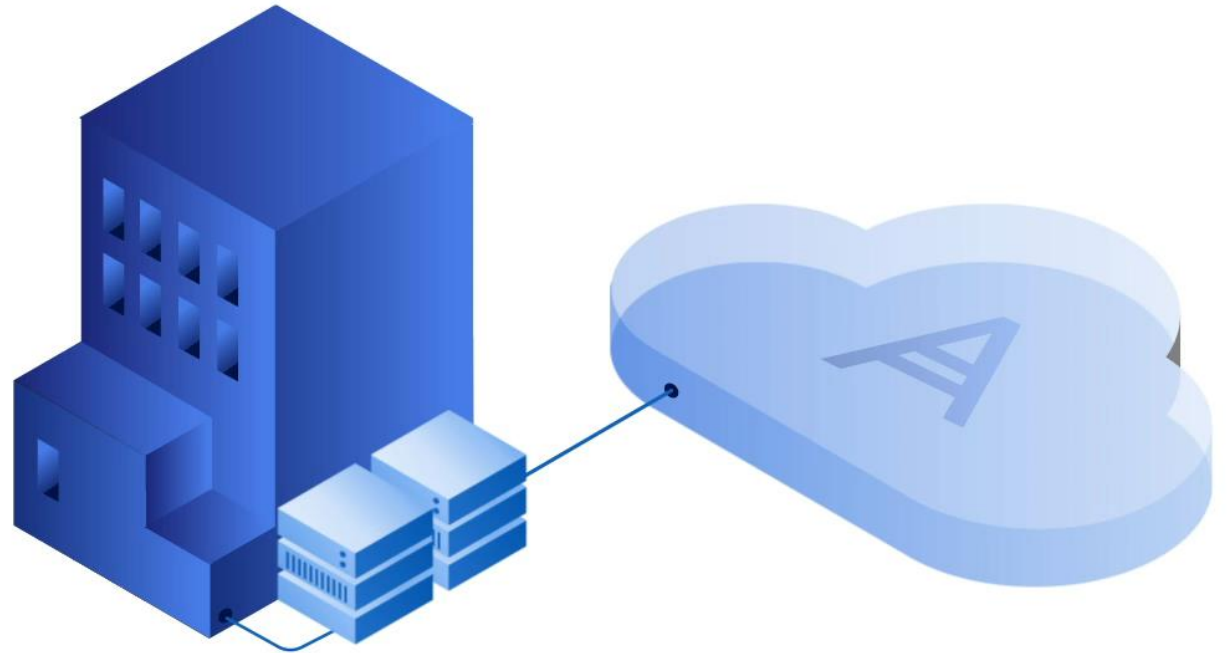


Dual headquarters  
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# How Acronis Disaster Recovery Works

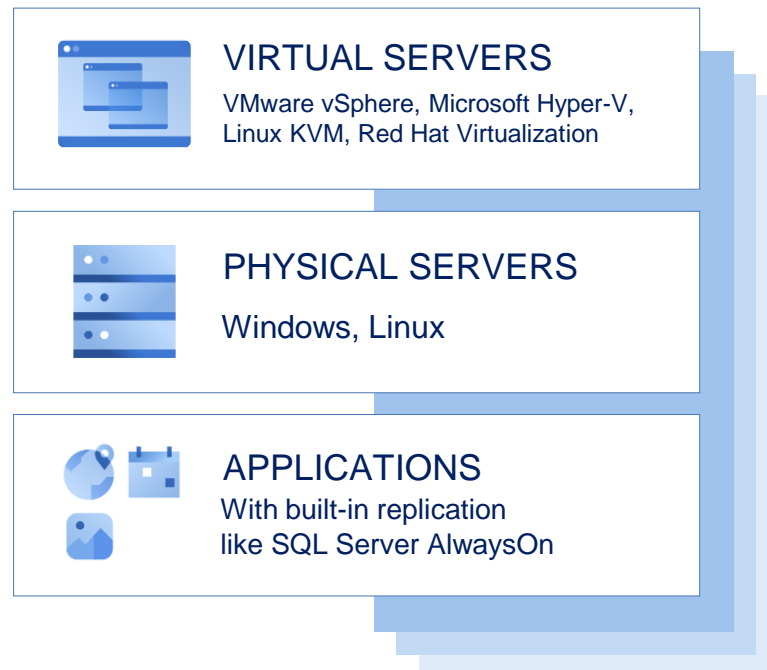
**Ensure your critical business applications are always available and ready to run in the Acronis Cloud:**

- Backup to Acronis Cloud Storage
- Create a replica of a protected server via web console
- Setup a secure VPN connection
- Choose the recovery point to activate, addressing your RPO
- Test failover in the isolated testing environment
- Failover your critical workload to Acronis Cloud when a disaster strikes
- Failback when your servers are active again

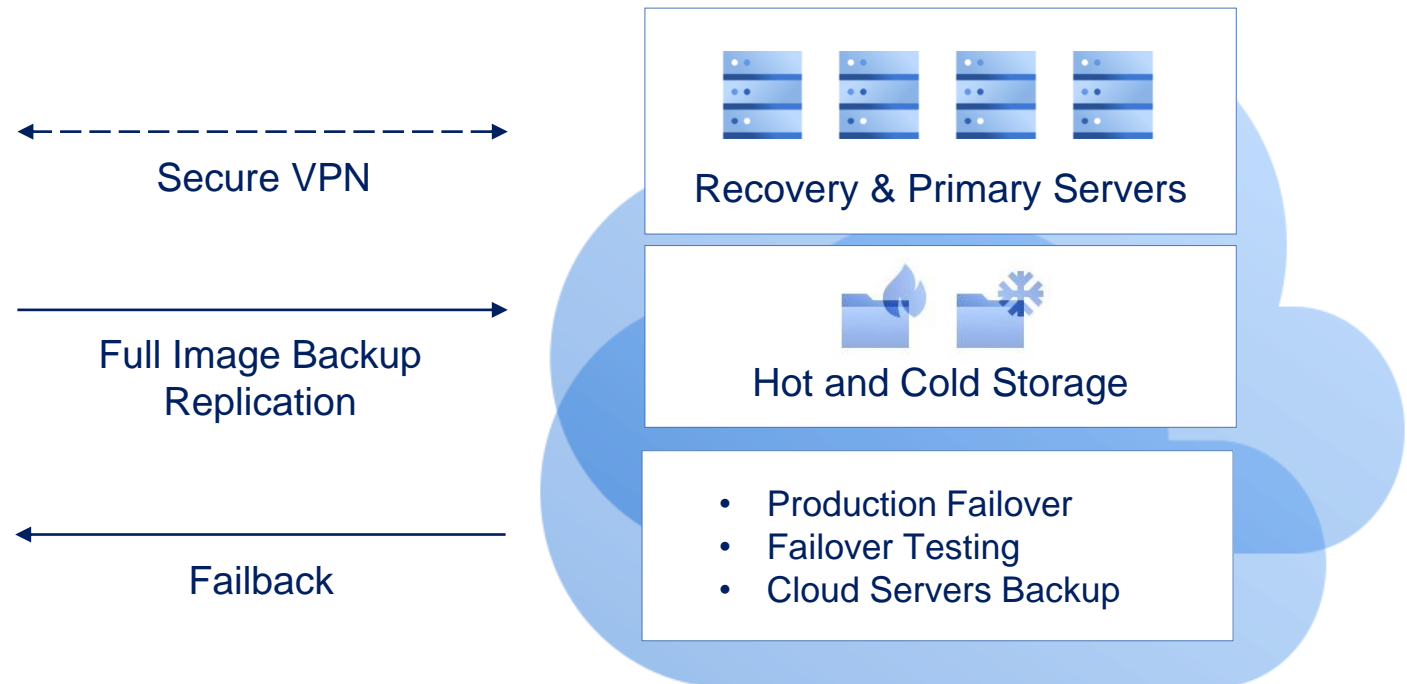


# Disaster Recovery to Acronis Cloud Recovery Site

## Customers' Sites



## Acronis Cloud Recovery Site





# Acronis Cloud Data Centers



12 Acronis Cloud  
Data Centers now

**Strong presence**  
in Asia-Pacific: Singapore,  
Japan

**Tier-IV designed**, have received a  
number of certifications, including  
SSAE-16, HIPAA, and PCI DSS

Acronis

# Key Features

# Improve RTOs and automate disaster recovery with runbooks

The runbooks feature simplifies and speeds up failover of multiple machines to a cloud recovery site.

It allows efficient operations to automate failover and testing and ensures the systems are recovered in the right order to address interdependencies between applications on different machines.

The screenshot displays the Acronis Runbook interface. The main window shows a 'Production failover' runbook with three steps:

- Step 1:** Contains two actions: 'Failover server' (DESERVER2012 - recovery) and 'Start server' (APPSERVER2012 - recovery). Both actions have a 'Continue if already done' status.
- Step 2:** Contains one action: 'Execute runbook' (My cool runbook).
- Step 3:** Contains one action: 'Manual operation' (Change MX record to x.x.x.x).

Below the steps is an 'Add step' button. To the right, a 'Test Failover' details window is open, showing the following information:

- Name:** Test Failover
- Description:** Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.
- Execution history:** A table showing the history of the test failover.

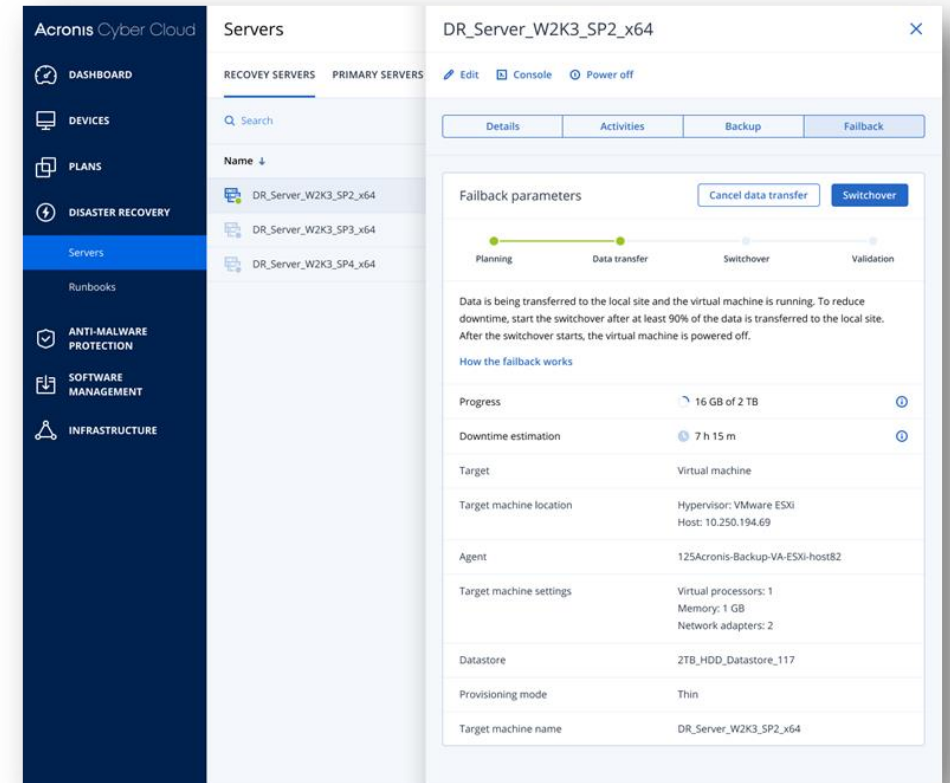
Start and end time	Status	Mode
14 Apr, 08:01 PM	Started	Production
14 Apr, 08:01 PM - 14 Apr, 10:23 PM	Completed	Test
14 Apr, 08:01 PM - 14 Apr, 10:23 PM	Completed	Production
14 Apr, 08:01 PM - 14 Apr, 10:23 PM	Completed	Production
14 Apr, 08:01 PM - 14 Apr, 10:23 PM	Completed	Production

**Why?** Ensures that all systems are recovered in the right order

# Automated failback for virtual machines

Achieve best-in-class failback times and safeguard your clients' data by transferring it to the local site, while the virtual machine in the cloud is still running. Receive system progress updates and expected downtimes estimates to effectively plan the failback process.

- Streamline your efforts by managing the whole process in one panel
- Benefit from one of the lowest switchover downtimes on the market
- Eliminate confusion with easy user instructions in the interface



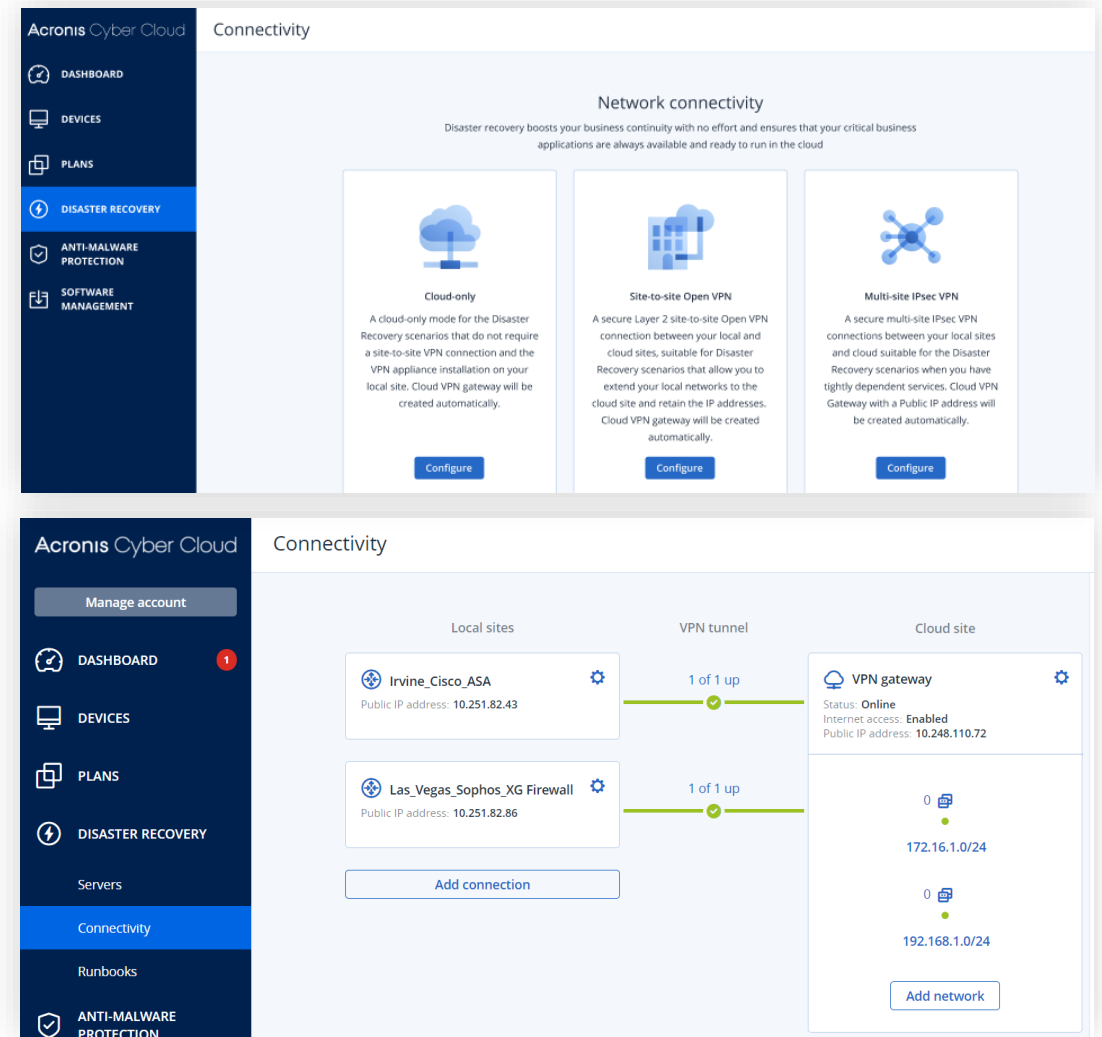
**Why?** Achieve near-zero downtime, ensure business continuity, and safeguard your clients' data

# IPsec Multisite VPN Support

## Strengthen security for your clients

Integrates secure protocols and algorithms, so you can easily support clients with multiple sites that are hosting critical workloads with higher requirements for security, compliance, and bandwidth.

Transparent connections and tunnels status and self troubleshooting.



**Why?** Easily support clients with multiple sites that are hosting critical workloads

# Encrypted backup support

## Comply with data security requirements




Perform failover using encrypted backups and allow the system to use the securely stored passwords for automated disaster recovery operations.

The new Credential Store feature (accessible from the web console in the Disaster Recovery > Credential Store tab) allows you to securely store and manage passwords for encrypted server backups.

Comply with various data regulations.

Encrypted backup passwords

Provide the encryption passwords for the backups of the original server. The passwords are stored in a secure storage.  
If you do not provide a password for a backup, automated disaster recovery operations for this backup will not be available.

Backup name	Password	Credential name
 DBSERVER2012 - Backup to cloud 1 <span>RECENT</span>	<input type="password" value="....."/>	<input type="text" value="New archive password"/>
 DBSERVER2012 - Backup to cloud 2	<input type="password" value="....."/>	<input type="text" value="Saved archive password"/>
 DBSERVER2012 - Backup to cloud 3	<input type="password"/>	<input type="text"/>

Saved archive password 1

Saved archive password 2

Saved archive password 3

☒ Show all backups

Cancel

Save







**Why?** Keep clients' data safe while complying with various data regulations

# Recovery servers RPO compliance tracking

## Improve SLA compliance

Define recovery point thresholds for the recovery servers to identify how "fresh" the cloud backup of the original machine (to perform failover) should be.

Track recovery point objective (RPO) compliance in real time via the web console.

Name ↑	Status	State	RPO compliance
 Server_W2K3_SP2_x64	✓ OK	Test failover	● Compliant
 finance08-Recovery	🔄 In progress...	Recovering...	● Compliant
 fserver	⚠ RPO exceeded	Failover	● Exceeded (1.3x)
 Servier RGYD6	✓ OK	Standby	–
 Server_W2K8x64_SQL	✓ OK	Ready for failback	● Compliant
 fserver	✓ OK	Running	● Compliant

**Why?** Provide competitive SLAs and ensure you are able to meet them

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**Licensing**



# Staying Open for Business Has Never Been Easier

Single Agent. Single Console. Single Cloud. Single Replication.

Acronis  
Cyber Protect -  
Backup



## Backup and Restore

**Primary focus:**

- Data located on servers, workstations, and mobile devices
- Protection of data from loss



Acronis Cloud  
Storage



## Offsite Cloud Storage

**Primary focus:**

- Scalable offsite backup for any data or any system
- Quick and easy access to files, folders, applications, or an entire system



Acronis Disaster  
Recovery



## Disaster Recovery

**Primary focus:**

- Rapid recovery after a disaster
- High availability of critical workloads

All is secured with proactive ML-based ransomware protection



# Disaster Recovery Licensing

## Disaster Recovery is an add-on to:

- Acronis Cyber Protect - Backup **Standard** subscription
- Acronis Cyber Protect - Backup **Advanced** subscription

## Disaster Recovery add-on consists of:

- **Disaster Recovery (Hot) Storage** (mandatory)
- **Compute Points** (mandatory)
- **Public IP address** (optional)
- **Pack license** (includes – Acronis Cloud Storage, Disaster Recovery Storage, Compute Points)



Available as a **subscriptions** (1y, 2y or 3y); no perpetual licenses



Licenses activated via **license keys** at <https://account.acronis.com>



Available for **Cloud** deployment and not available for on-premises installations

# Trial period for Acronis Disaster Recovery add-on

- **30 days trial period** is available as a part of Acronis Backup trial
- It is possible to activate DR trial independently for those who already have Acronis Backup
- Considering the typical server configuration is F3\*, 100 compute points is enough to test Disaster Recovery functionality for **3 servers ~ 8 hours each.**

\* 2 CPU / 8GB RAM / 200GB HDD

Quota Name	Trial value	Notes / Considerations
Disaster Recovery Compute Points	100 points	= 3 servers x F3 server configuration (4 point) x 8 hours
Disaster Recovery Storage (Hot)	1TB	Equals to cloud storage volume in trial. Typical server storage size for Disaster Recovery is ~220GB.
Public IP	0	Public IP addressed are not available in trial mode
Internet access	Off	Internet access is disabled in trial mode.

# Acronis Foundation

Building a more knowledgeable future

[www.acronis.org](http://www.acronis.org)

**CREATE, SPREAD  
AND PROTECT  
KNOWLEDGE WITH US!**

Building new schools • Publishing books • Providing educational programs

