

Acronis

Acronis Cyber Infrastructure 3.0

Backup Gateway Quick Start Guide for
Microsoft Azure

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CHAPTER 1

Introduction

This guide explains how to set up Backup Gateway on Microsoft Azure to store backups in the Azure cloud.

Typically, you will only need to create a VM with Acronis Cyber Infrastructure on Azure, specifying the required details like VM user name and password, credentials for a partner account in Acronis Backup Cloud, and such.

Once the virtual machine is running, you should be able to store backups in the Azure cloud, without having to log in to Acronis Cyber Infrastructure.

1.1 Important Requirements and Restrictions

- When working with public clouds, Backup Gateway uses the local storage (inside the VM) as the staging area as well as to keep service information. It means that the data to be uploaded to the cloud is first stored locally and only then sent to the destination. Because of this, you must make sure that the local storage is redundant and permanent. Using temporary disks may result in data loss.
- Choose a correct disk template to ensure desired backup performance (see example in the next paragraph). Make sure to plan ahead, because disk template cannot be changed. In such a case, you will need to add a new disk with the correct template to the VM, add the new disk to the storage cluster, release the old disk from the storage cluster, and delete it from the VM.

Performance and size of a local VM disk depends on its template. For example, a **STANDARD_DS1** virtual machine has the dedicated bandwidth of 32 MB/s for premium storage disk traffic. In turn, a **P10** premium storage disk can provide the bandwidth of 100 MB/s. If a **P10** premium storage disk is attached to a **STANDARD_DS1** virtual machine, its performance will be capped at 32 MB/s instead of the maximum 100 MB/s it can provide. For more details on premium storage, see [Azure documentation](#).

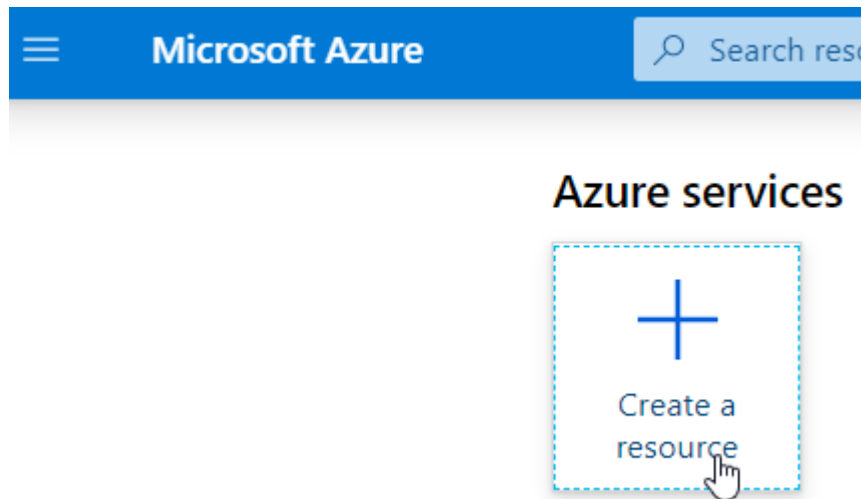
- Use a separate object container for each Backup Gateway cluster.

CHAPTER 2

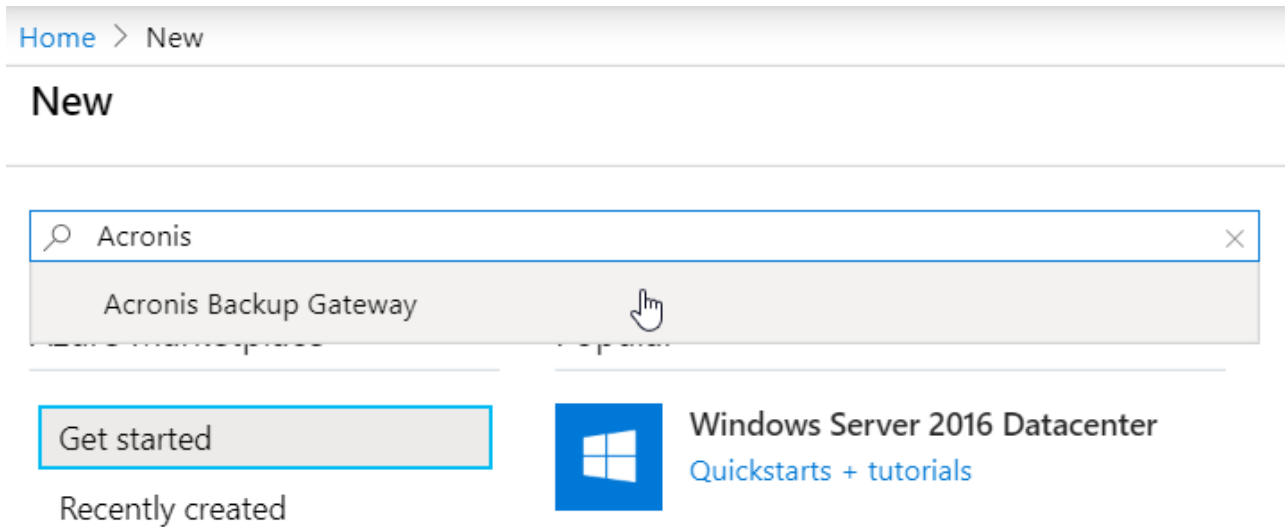
Creating an Acronis Cyber Infrastructure Virtual Machine

First, you need to create a VM with Acronis Cyber Infrastructure. Do the following:

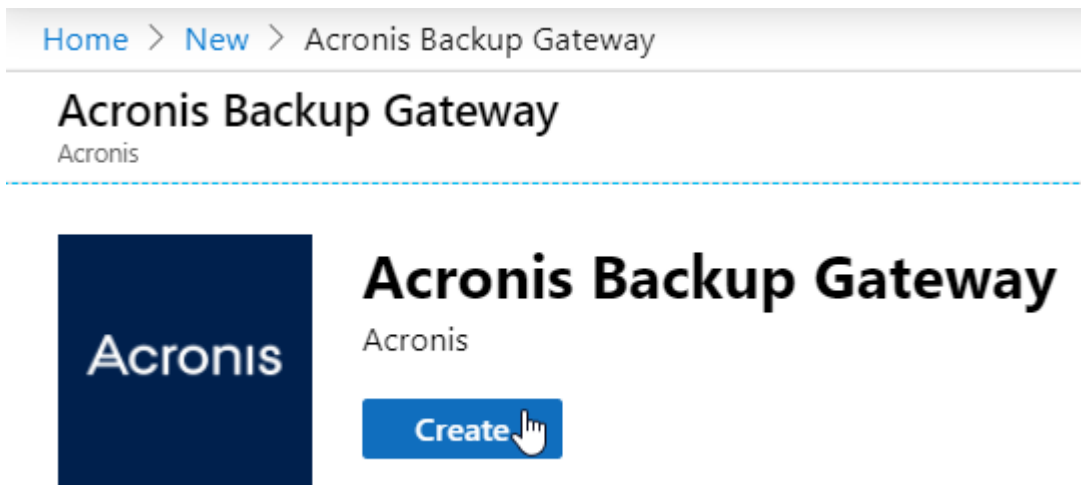
1. On the Dashboard, click **Create a resource**.



2. On the **Home > New** pane, find and click Acronis Backup Gateway in the Azure Marketplace.



3. On the **Home > New > Acronis Backup Gateway** pane, click **Create**.



The VM creation wizard will open.

4. On the wizard's **Basics** pane, specify a user name and password for VM's admin account, set the public access policies, specify a password for the Acronis Cyber Infrastructure web panel, choose a subscription type, resource group, and location. Click **OK**.

Home > New > Acronis Backup Gateway > Create Acronis Backup Gateway > Basics

Create Acronis Backup Ga... << X Basics □ X

- 1 Basics** >
Configure basic settings
- 2 Gateway settings** >
Configure VM and storage
- 3 Acronis Backup Cloud setti...** >
Register cloud storage
- 4 Summary** >
Acronis Backup Gateway
- 5 Buy** >

User name * ⓘ
backup_gateway_admin ✓

Authentication type *
 Password SSH public key

Password * ⓘ
..... ✓

Confirm password *
..... ✓

Public SSH access to Acronis Storage node ⓘ
Restrict ▾

Public access to Acronis Storage management panel ⓘ
Restrict ▾


Acronis Storage management panel password * ⓘ
..... ✓

Confirm password *
..... ✓

Subscription
Pay-As-You-Go(Converted to EA) ▾

Resource group * ⓘ
(New) backup_gateway ▾
[Create new](#)

Location *
(US) East US ▾

OK 

5. On the wizard's **Gateway settings** pane:

- In **Virtual machine size**, the recommended VM size, Standard A4 v2, should be selected by default.
- In **Storage account**, give a name to the account and click **OK**.

Home > New > Acronis Backup Gateway > Create Acronis Backup Gateway > Gateway settings > Create storage account

Create Acronis Backup Ga... << X Gateway settings << X Create storage account □ X

1 Basics Done ✓

2 Gateway settings > Configure VM and storage

3 Acronis Backup Cloud setti... > Register cloud storage

4 Summary > Acronis Backup Gateway

5 Buy >

Virtual machine size * ⓘ
1x Standard A4 v2
 4 vcpus, 8 GiB memory
[Change size](#)

*Storage account ⓘ >
 Configure required settings

Storage account container * ⓘ

*Public IP address ⓘ >

DNS prefix * ⓘ
 !
 eastus.cloudapp.azure.com

OK

Name *
 ✓
 .core.windows.net

Account kind ⓘ

Performance ⓘ
 Standard Premium

Replication ⓘ

OK

- In **Storage account container**, specify a name.
- In **Public IP address**, select **Static** in **Assignment** and click **OK**.

Home > New > Acronis Backup Gateway > Create Acronis Backup Gateway > Gateway settings > Create public IP address

1 Basics ✔
Done

2 Gateway settings >
Configure VM and storage

3 Acronis Backup Cloud setti... >
Register cloud storage

4 Summary >
Acronis Backup Gateway

5 Buy >

Gateway settings << ✕

Virtual machine size * ⓘ
1x Standard A4 v2
4 vcpus, 8 GiB memory
[Change size](#)

*Storage account ⓘ >
(new) backupgateway

Storage account container * ⓘ

*Public IP address ⓘ >
(new) publicip

DNS prefix * ⓘ
 ✔
eastus.cloudapp.azure.com

[OK](#)

Create public IP address << ✕

Name *

SKU ⓘ
 Basic Standard

Assignment
 Dynamic Static

[OK](#)

- In **DNS prefix**, specify a DNS prefix for your Backup Gateway, e.g., **backupgateway**.

The Backup Gateway will be registered in Acronis Backup Cloud under the static public IP address and DNS name.

Note: The public IP address and DNS name cannot be changed later.

Having set the required options, click **OK**.

6. On the wizard's **Acronis Backup Cloud settings** pane, provide the credentials of your partner account in Acronis Backup Cloud. The cloud management portal URL, <https://cloud.acronis.com>, should be specified by default. Click **OK**.

> New > Acronis Backup Gateway > Create Acronis Backup Gateway > Acronis Backup Cloud settings

Create Acronis Backup Ga... << X

Acronis Backup Cloud sett... □ X

- 1 Basics Done ✓
- 2 Gateway settings Done ✓
- 3 Acronis Backup Cloud setti... > Register cloud storage
- 4 Summary > Acronis Backup Gateway
- 5 Buy >

Acronis Backup Cloud management portal URL * ⓘ

Account * ⓘ

 ✓

Password * ⓘ

 ✓

Confirm password *

 ✓

OK

7. On the wizard's **Summary** pane, make sure all the options are set correctly, wait until validation passes, and click **OK**.

Home > New > Acronis Backup Gateway > Create Acronis Backup Gateway > Summary

Create Acronis Backup Ga... << X
Summary □ X

i
Validation passed

Basics	
Subscription	Pay-As-You-Go(Converted to EA)
Resource group	backup_gateway
Location	East US
User name	backup_gateway_admin
Password	*****
Public SSH access to Acronis ...	Restrict
Public access to Acronis Stor...	Restrict
Acronis Storage managemen...	*****
Gateway settings	
Virtual machine size	Standard A4 v2
Storage account	backupgateway
Storage account container	acronis-storage
Public IP address	publicip
DNS prefix	backupgateway
Acronis Backup Cloud settings	
Acronis Backup Cloud mana...	https://cloud.acronis.com
Account	partner@example.com
Password	*****

OK
Download template and parameters

8. On the wizard's **Create** pane, read the terms of use and privacy policy and click **Create**.

After the VM is running, log in to the Acronis Cyber Cloud admin panel and check that the new Acronis Cyber Infrastructure is shown in the **Storages** section (for more details, see the [Acronis Cyber Cloud documentation](#)). Finally, perform a test backup to the Azure cloud to make sure that everything is working correctly.

CHAPTER 3

Performing Additional Tasks

Normally, you only need to create and run a VM with Acronis Cyber Infrastructure on Azure to be able to store backups in the Azure cloud. Logging in to Acronis Cyber Infrastructure itself is not required.

If, however, you need to perform some additional tasks that require you to log in to Acronis Cyber Infrastructure, you can access your Azure VM using the domain name and user credentials specified during VM deployment. You will also need to open a port to the VM.

The tasks related to Backup Gateway that you can perform in Acronis Cyber Infrastructure are described in the more general *Backup Gateway Quick Start Guide*:

- [Connecting to Public Cloud Storage via Backup Gateway](#)
- [Migrating Backups from Older Solutions](#)
- [Monitoring Backup Gateway](#)
- [Releasing Nodes from Backup Gateway](#)