

Acronis

Acronis Storage 2.4

Backup Gateway Quick Start
Guide for Microsoft Azure

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CHAPTER 1

About This Guide

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

Typically, you will only need to create a VM with Acronis Storage 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 Storage.

Important:

1. When working with public clouds, Acronis 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.
2. You must update Acronis Backup Agents to version 12.0.4492 (Windows/Mac) or 12.0.4470 (Linux). Otherwise agents' attempts to place backups in the new storage backend will result in "Backup failed" errors.
3. 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

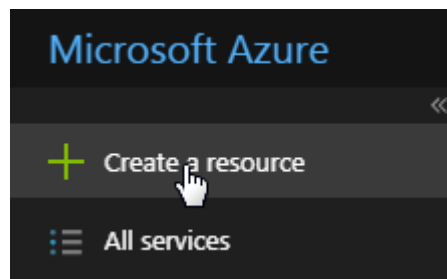
P10 premium storage disk can provide the bandwidth of 100 MB/s. If a **P10** premium storage disk is attached to a **STANDARD_DS1** virtual machine, its performance will be capped at 32 MB/s instead of the maximum 100 MB/s it can provide. For more details on premium storage, see [Azure documentation](#).

CHAPTER 2

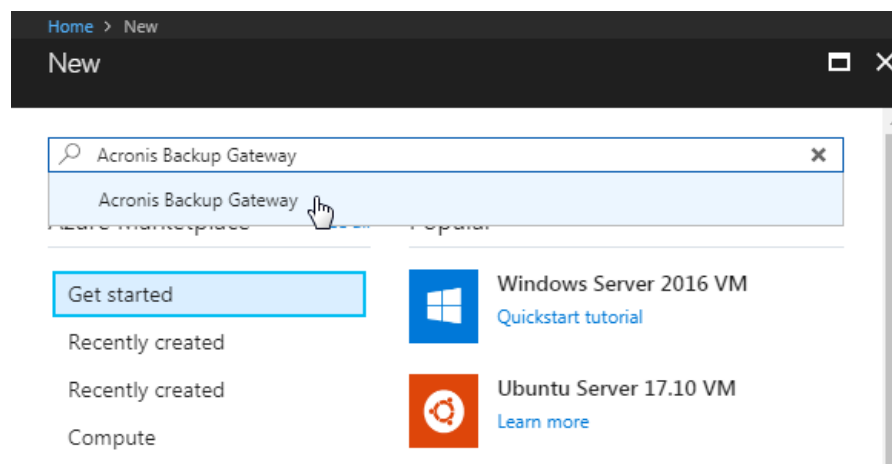
Creating Acronis Storage Virtual Machine

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

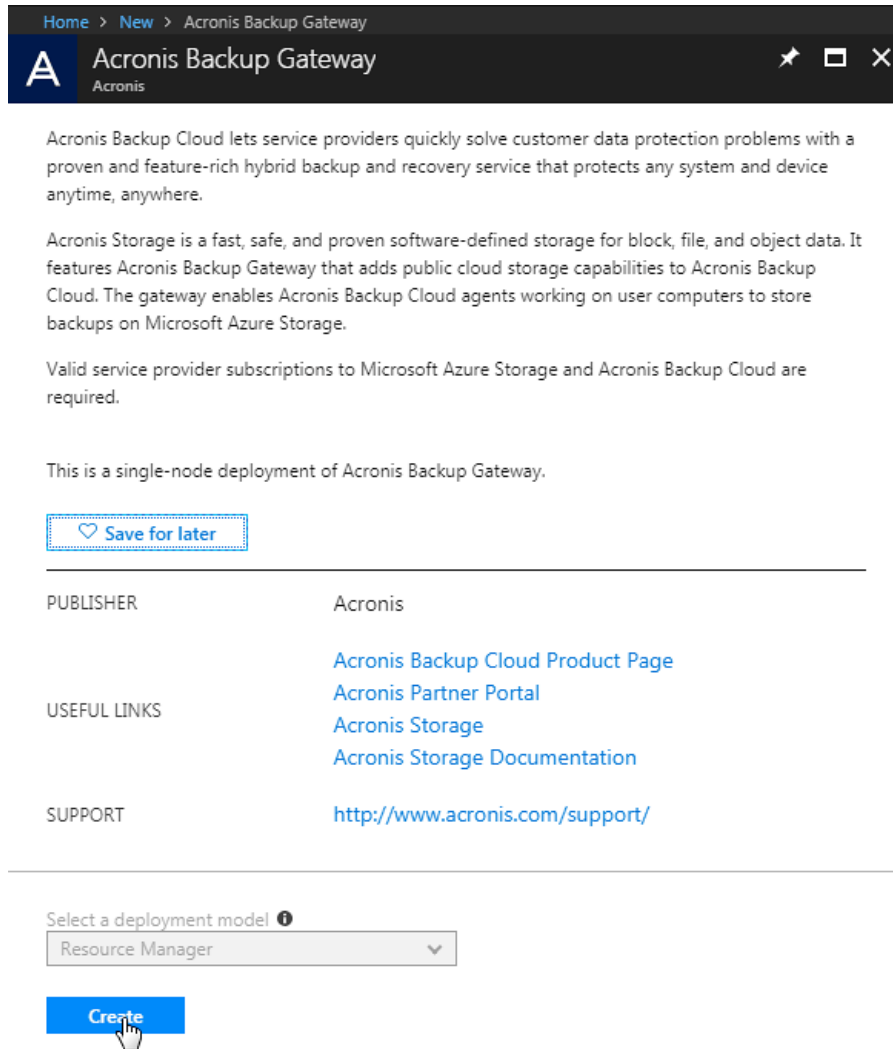
1. On the Dashboard, click **Create a resource**.



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 screenshot shows a window titled "Acronis Backup Gateway" with a breadcrumb trail "Home > New > Acronis Backup Gateway". The window contains the following text:

Acronis Backup Cloud lets service providers quickly solve customer data protection problems with a proven and feature-rich hybrid backup and recovery service that protects any system and device anytime, anywhere.

Acronis Storage is a fast, safe, and proven software-defined storage for block, file, and object data. It features Acronis Backup Gateway that adds public cloud storage capabilities to Acronis Backup Cloud. The gateway enables Acronis Backup Cloud agents working on user computers to store backups on Microsoft Azure Storage.

Valid service provider subscriptions to Microsoft Azure Storage and Acronis Backup Cloud are required.

This is a single-node deployment of Acronis Backup Gateway.

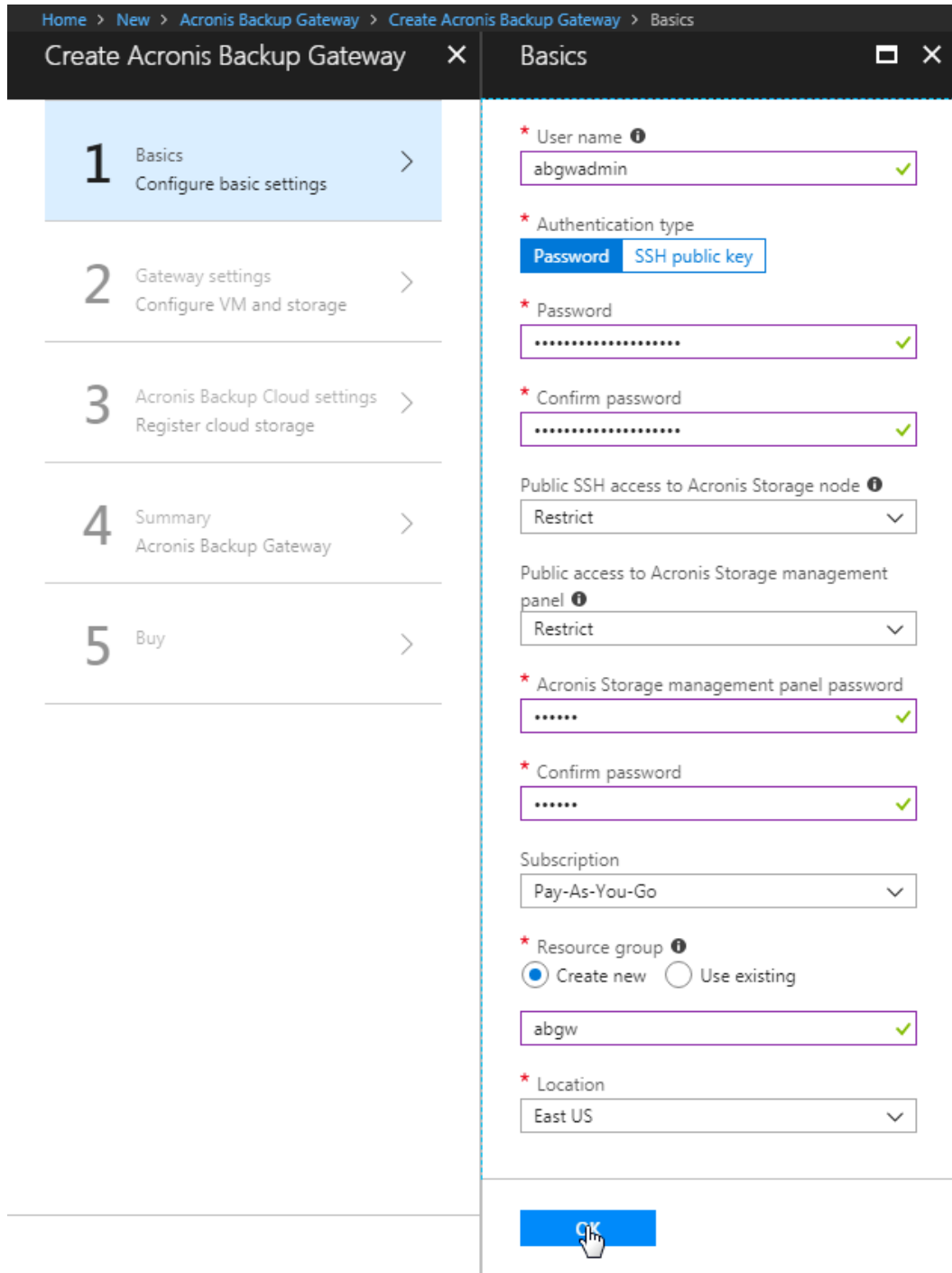
Below the text is a "Save for later" button with a heart icon. A horizontal line separates this from a table of links:

PUBLISHER	Acronis
USEFUL LINKS	Acronis Backup Cloud Product Page Acronis Partner Portal Acronis Storage Acronis Storage Documentation
SUPPORT	http://www.acronis.com/support/

Below the table is a "Select a deployment model" dropdown menu with "Resource Manager" selected. At the bottom is a blue "Create" button with a mouse cursor pointing to it.

The VM creation wizard will open.

4. On 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 Storage web panel, choose a subscription type, resource group, and location. Click **OK**.



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

- In **Virtual machine size**, the recommended VM size, A2, should be selected by default.
- In **Storage account**, give a name to the account; select **Storage (general purpose v2)**, then **Cool** and **Locally-redundant storage (LRS)**.

Note: If you only have **Storage (general purpose v1)**, you need to upgrade your account.

- In **Storage account container**, specify a name, e.g., `acronis-storage`.
- In **Public IP address**, select **Static** in **Assignment**.

The screenshot shows the 'Gateway settings' pane with the following configuration:

- Virtual machine size:** 1x Standard A2
- Storage account:** (new) abgw1
- Storage account container:** acronym-storage
- Public IP address:** (new) publicip
- DNS prefix:** abgw1 (with a green checkmark and the URL `eastus.cloudapp.azure.com` below it)

The 'Create public IP address' pane shows:

- Name:** publicip
- SKU:** Basic (selected), Standard
- Assignment:** Dynamic, Static (selected)

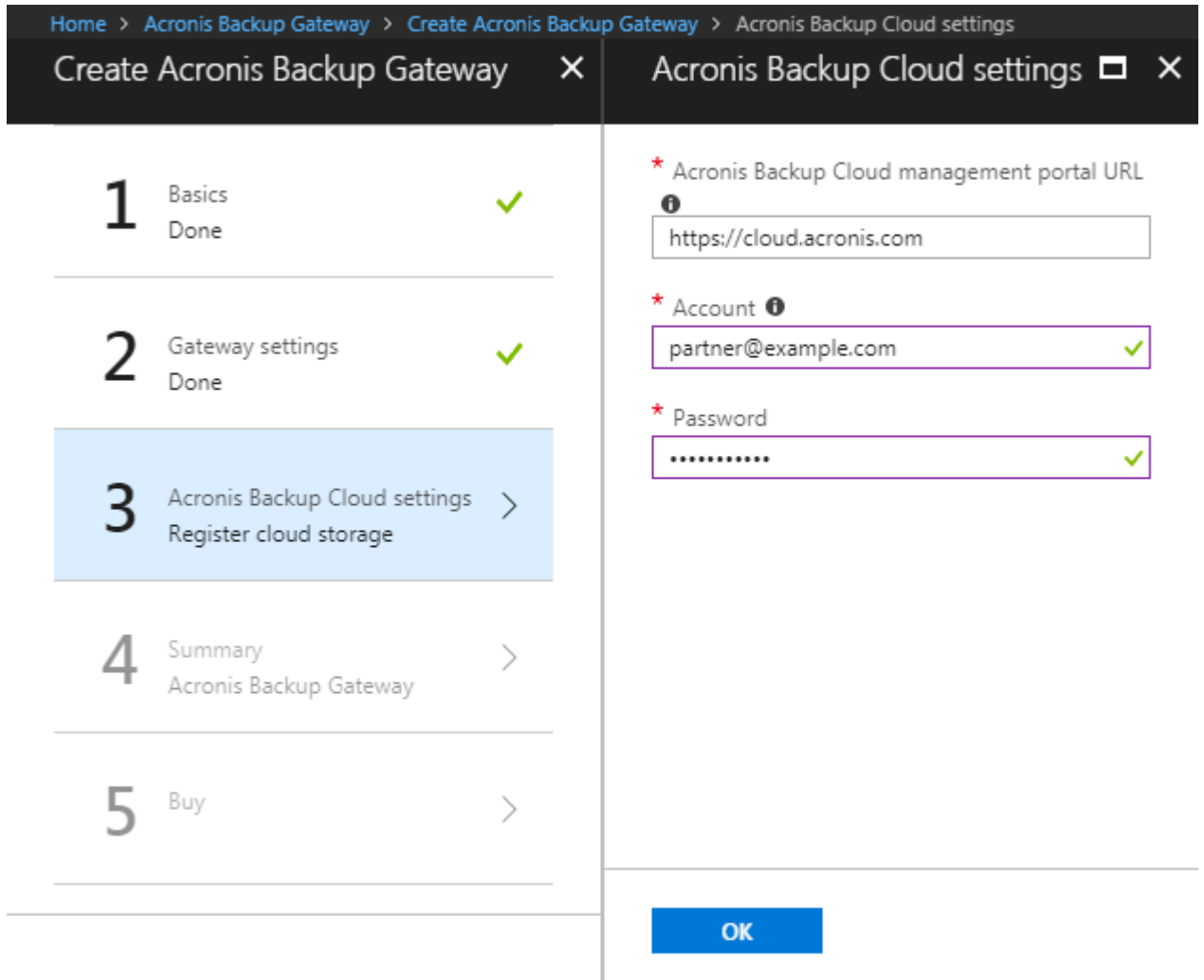
- In **DNS prefix**, specify a DNS prefix for your Backup Gateway, e.g., `abgw1`.

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 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**.



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

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

Create Acronis Backup Gateway ✕ Summary

1 Basics Done ✓

2 Gateway settings Done ✓

3 Acronis Backup Cloud settings Done ✓

4 Summary Acronis Backup Gateway >

5 Buy >

Validation passed

Basics

Subscription	Pay-As-You-Go
Resource group	abgw
Location	East US
User name	abgwadmin
Password	*****
Public SSH access to Acronis St...	Restrict
Public access to Acronis Storag...	Restrict
Acronis Storage management ...	*****

Gateway settings

Virtual machine size	Standard A2
Storage account	abgw1
Storage account container	acronis-storage
Public IP address	publicIp
DNS prefix	abgw1

Acronis Backup Cloud settings

Acronis Backup Cloud manage...	https://cloud.acronis.com
Account	partner@example.com
Password	*****

Click Download template and parameters

8. On 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 Data Cloud management panel and check that the new Acronis Storage is shown in the **Storages** section (for more details, see the [Acronis Data 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 Storage on Azure to be able to store backups in the Azure cloud. Logging in to Acronis Storage itself is not required.

If, however, you need to perform some additional tasks that require you to log in to Acronis Storage, 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 Storage are described in the more general *Acronis Backup Gateway Quick Start Guide*:

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