Acronis Software-Defined Infrastructure 2.5

Backup Gateway Quick Start Guide for Microsoft Azure

February 1, 2019

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Contents

1. Introduction **1**

1.1 Important Requirements and Restrictions 1

2. Creating Acronis Software-Defined Infrastructure Virtual Machine **3**

3. Performing Additional Tasks **9**

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 Software-Defined 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 Software-Defined Infrastructure.

1.1 Important Requirements and Restrictions

1. 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.
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**

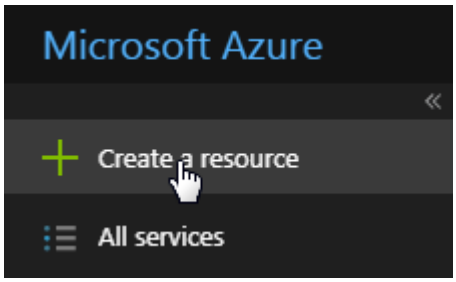
premium storage disk can provide the bandwidth of 100 MB/s. If a **P10** premium storage disk is attached to a **STANDARD_DS1** virtual machine, its performance will be capped at 32 MB/s instead of the maximum 100 MB/s it can provide. For more details on premium storage, see Azure documentation.

CHAPTER 2

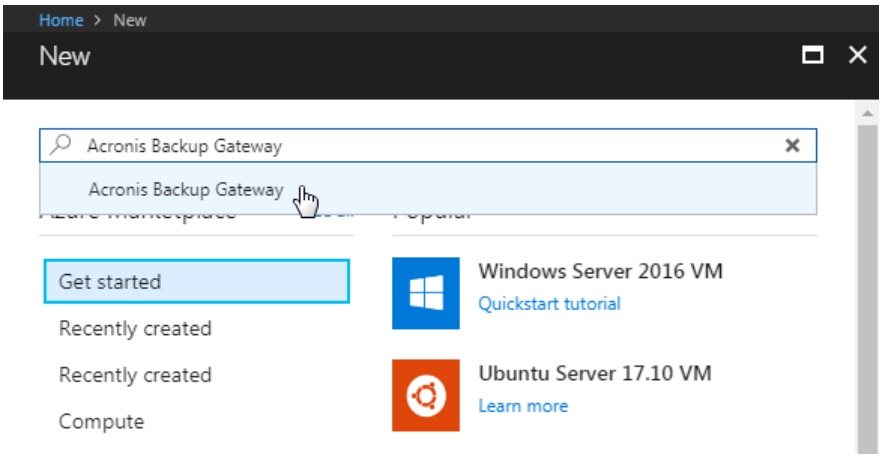
Creating Acronis Software-Defined Infrastructure Virtual Machine

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

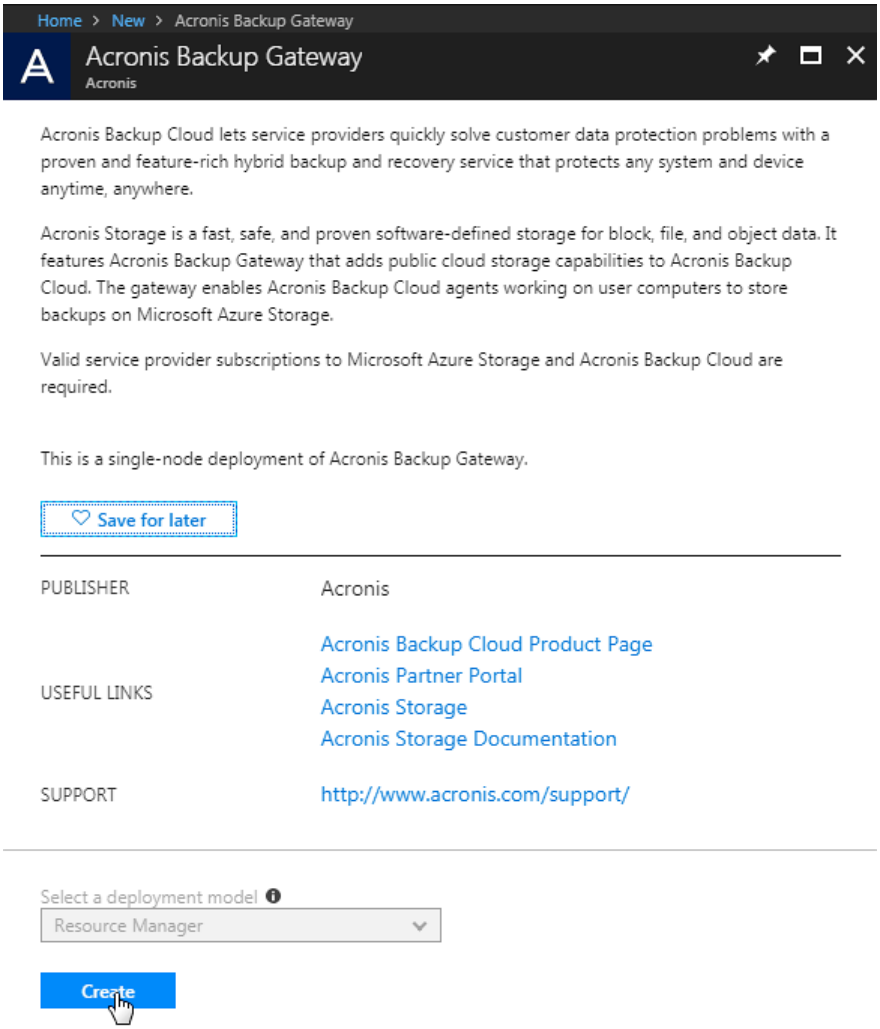
1. On the Dashboard, click **Create a resource**.



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

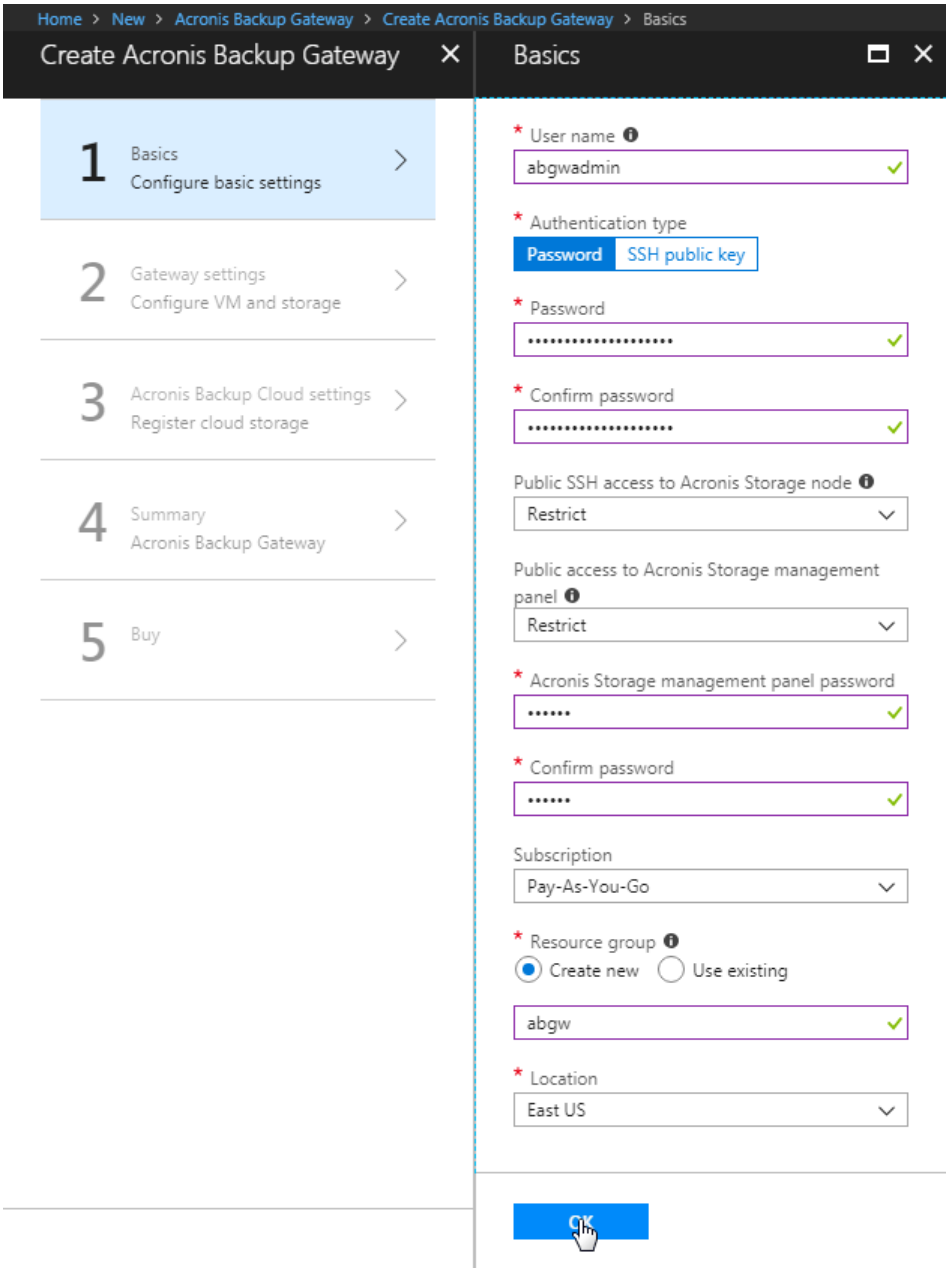


3. On the **Home** > **New** > **Backup Gateway** pane, click **Create**.



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 Software-Defined Infrastructure web panel, choose a subscription type, resource group, and location. Click **OK**.

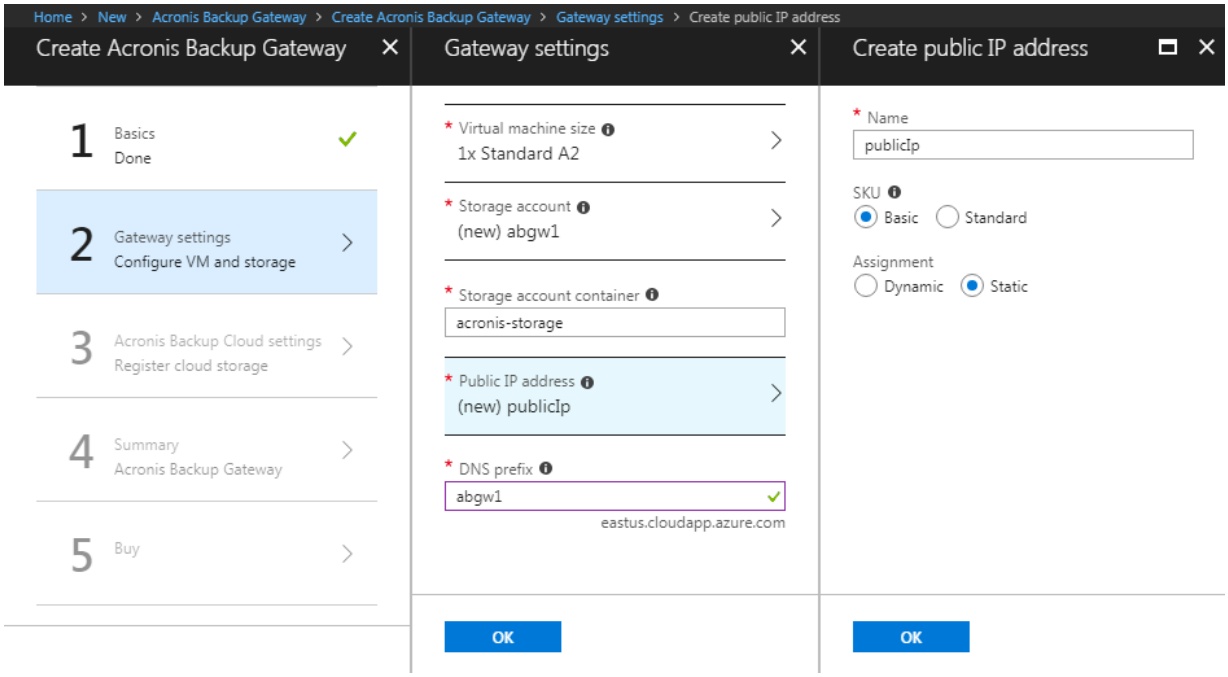


5. On wizard's **Gateway settings** pane:

   - 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)**.

     If you only have **Storage (general purpose v1)**, you need to upgrade your account.
   - In **Storage account container**, specify a name.

- In **Public IP address**, select **Static** in **Assignment**.



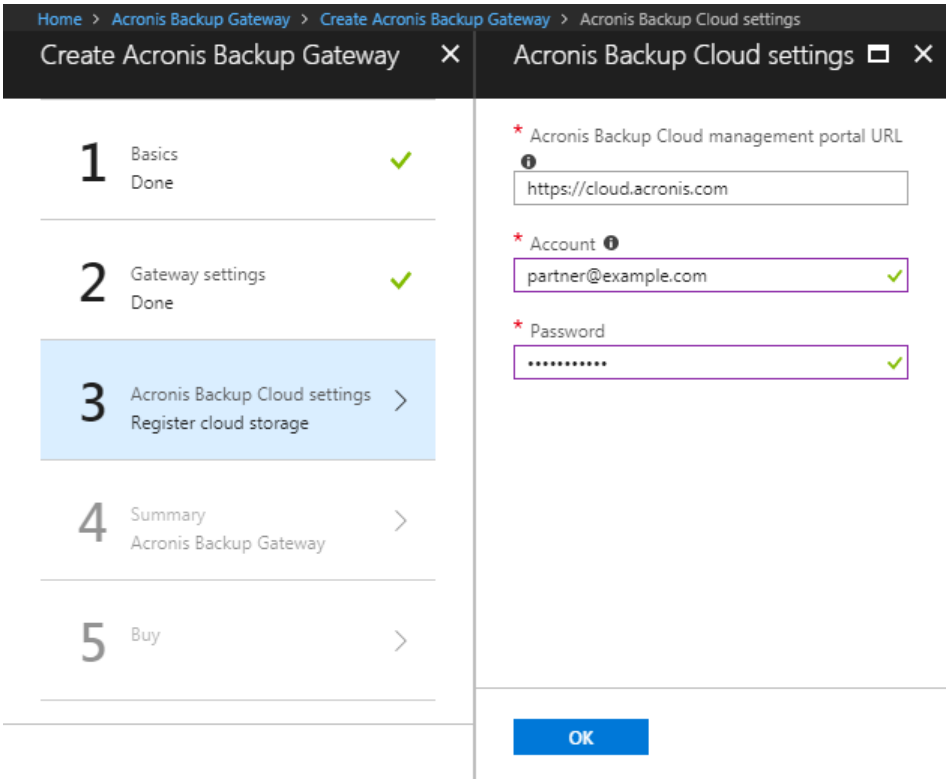
- In **DNS prefix**, specify a DNS prefix for your Backup Gateway, e.g., **abgw1**.

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

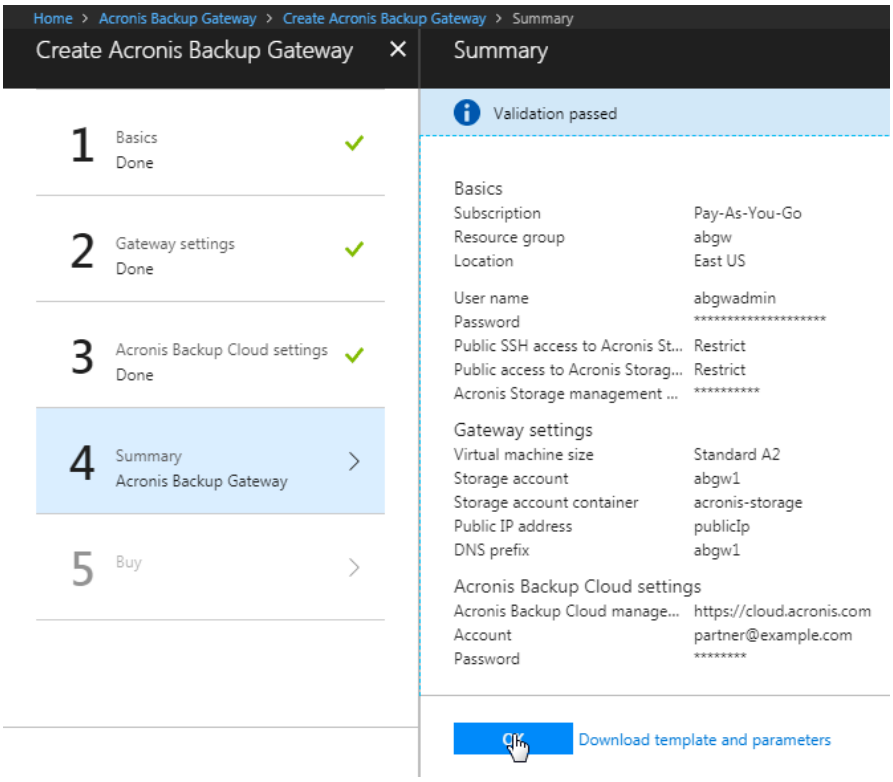
Note: The public IP address and DNS name cannot be changed later.

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**.



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 admin panel and check that the new Acronis Software-Defined Infrastructure 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 Software-Defined Infrastructure on Azure to be able to store backups in the Azure cloud. Logging in to Acronis Software-Defined Infrastructure itself is not required.

If, however, you need to perform some additional tasks that require you to log in to Acronis Software-Defined 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 Software-Defined 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