Acronis Cyber Infrastructure 3.0
Backup Gateway Quick Start Guide for Microsoft Azure

July 26, 2019
**Copyright Statement**

Copyright ©Acronis International GmbH, 2002-2019. All rights reserved.

“Acronis” and “Acronis Secure Zone” are registered trademarks of Acronis International GmbH.

“Acronis Compute with Confidence”, “Acronis Startup Recovery Manager”, “Acronis Instant Restore”, and the Acronis logo are trademarks of Acronis International GmbH.

Linux is a registered trademark of Linus Torvalds.

VMware and VMware Ready are trademarks and/or registered trademarks of VMware, Inc. in the United States and/or other jurisdictions.

Windows and MS-DOS are registered trademarks of Microsoft Corporation.

All other trademarks and copyrights referred to are the property of their respective owners.

Distribution of substantively modified versions of this document is prohibited without the explicit permission of the copyright holder.

Distribution of this work or derivative work in any standard (paper) book form for commercial purposes is prohibited unless prior permission is obtained from the copyright holder.

DOCUMENTATION IS PROVIDED “AS IS” AND ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT SUCH DISCLAIMERS ARE HELD TO BE LEGALLY INVALID.

Third party code may be provided with the Software and/or Service. The license terms for such third-parties are detailed in the license.txt file located in the root installation directory. You can always find the latest up-to-date list of the third party code and the associated license terms used with the Software and/or Service at [http://kb.acronis.com/content/7696](http://kb.acronis.com/content/7696)

**Acronis patented technologies**

Technologies, used in this product, are covered and protected by one or more U.S. Patent Numbers: 7,047,380; 7,246,211; 7,275,139; 7,281,104; 7,318,135; 7,353,355; 7,366,859; 7,383,327; 7,475,282; 7,603,533; 7,636,824; 7,650,473; 7,721,138; 7,779,221; 7,831,789; 7,836,053; 7,886,120; 7,895,403; 7,934,064; 7,937,612; 7,941,510; 7,949,635; 7,953,948; 7,979,690; 8,005,797; 8,051,044; 8,069,320; 8,073,815; 8,074,035; 8,074,276; 8,145,607; 8,180,984; 8,225,133; 8,261,035; 8,296,264; 8,312,259; 8,347,137; 8,484,427; 8,645,748; 8,732,121; 8,850,060; 8,856,927; 8,996,830; 9,213,697; 9,400,886; 9,424,678; 9,436,558; 9,471,441; 9,501,234; and patent pending applications.
Contents

1. Introduction ........................................................................................................................................... 1
   1.1 Important Requirements and Restrictions ...................................................................................... 1

2. Creating Acronis Cyber 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 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

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 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.


3. On the Home > New > Backup Gateway pane, click Create.
Chapter 2. Creating Acronis Cyber Infrastructure Virtual Machine

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.

PUBLISHER
Acronis

Acronis Backup Cloud Product Page
Acronis Partner Portal

USEFUL LINKS
Acronis Storage
Acronis Storage Documentation

SUPPORT
http://www.acronis.com/support/

Select a deployment model
Resource Manager

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 Cyber 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 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.
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