

N2WS Backup & Recovery

Quick Start Guide for Azure

V4.2.0



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1 Introduction

N2WS Backup & Recovery is a powerful tool that's essentially "plug-and-play". It takes about 20 minutes to set up the basic N2WS configuration. The *Quick Start Guide for Azure* will walk you through the core steps to get N2WS up and running on the Azure cloud as a virtual machine with N2WS installed on it.

Before installing N2WS on Azure, review the basic N2WS installation in the <u>N2WS Backup &</u> <u>Recovery Quick Start Guide</u>.

A quick word about passwords before we get going. N2WS strongly recommends that you create a strong password for the server. Make sure no one can access it or guess it. Change passwords regularly. N2WS enforces the following password rules:

- Minimum length of 8 characters.
- Not a common word or phrase.
- Not numeric characters only.

After meeting the Requirements, you can install Azure on N2WS with the following procedures:

- 1. Create a Custom Role on Azure
- 2. Deploy N2WS VM on Azure
- 3. Configure N2WS on Azure with the Configuration Wizard
- 4. Set permissions on the N2WS instance for access to other targets in Azure

1.1 Requirements

Before continuing, check that you have met the following requirements:

- 1. You already have an Azure account and access to the Azure portal.
- 2. You can access the Azure Marketplace and create virtual machines.

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2 Create Custom Role and Permissions on Azure

To view a video on creating a custom role, see https://youtu.be/ZtU O2aMKY4

Note: For complete information on setting permissions, see section 7, "Using Azure with N2WS", in the N2WS Backup & Recovery Quick Start Guide 4.1.0.

- 1. In Microsoft Azure, select **Subscriptions**.
- 2. Select your subscription and then select Access control.
- 3. In the + Add menu, select Add custom role.
- 4. In the **Basics** tab, type the name for your custom role In the **Custom role name** box.
- 5. In the Baseline permissions section, select **Start from JSON**.
- 6. Download and extract the JSON files in the minimal_azure_iam_permissions_for_411.zip_file at <u>https://support.n2ws.com/portal/en/kb/articles/minimal-azure-permissions-roles-forn2ws-operations</u>

Note: You will be able to edit the file or change the configuration before selecting the **Review + create** button.

- 7. In the **Select a file** box, select the downloaded JSON file relevant for your N2WS license.
- 8. Select Next.
- 9. In the Permissions tab, select Next.
- 10. In the Assignable scopes tab, select Assignable scope.
- 11. In the Type list of the Add assignable scopes section, select Subscription.
- 12. From the subscription list in the right-hand column, select your subscription and then select **Select**.
- 13. In the Assignable scopes page, select Next. The JSON tab opens with your custom role file.
- 14. Review and edit the JSON file as necessary, and then select Next.
- 15. In the **Review + create** tab, perform a final review, and then select **Create**.
- 16. When the custom role is successfully created, select **OK**. It may take a few minutes to display the new role everywhere.

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3 Deploy N2WS Server on Azure

To view a video of the N2WS deployment on Azure, see https://www.youtube.com/watch?v=VWzyWTSpy g

- 1. In Microsoft Azure Marketplace for Apps, select Consulting Services.
- 2. In the Products list, select N2WS Backup & Recovery for Azure.
- 3. Select Get it Now.

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4. In the Create this app in Azure window for BYOL and Free Trial, select Continue.





The 'Taking you to N2WS Backup & Recovery for Azure to complete this process' message opens.

5. In the N2WS Backup & Recovery for Azure (preview) page, select BYOL and Free Trial in the Plan list to start with a pre-set configuration; and then select Create.



6. In the **Create a virtual machine Basics** page, select the already defined username in the **Subscription** list.

ur resources.	
Subscription * 🕕	idan.shmueli 🗸
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Size * 🛈	Standard_B2ms - 2 vcpus, 8 GiB memory (\$60.74/month)
	See all sizes
Administrator account	
Authentication type 🕕	SSH public key
	O Password
	Azure now automatically generates an SSH key pair for you and allows you to store it for future use. It is a fast, simple, and secure way to connect to your virtual machine.
Username * 💿	cpmuser 🗸
SSH public key source	Use existing key stored in Azure
Stored Kevs	azure_key 🗸

- 7. In the **Resource Group** list, select the resource group where you want to deploy the machine.
- 8. In the Instance details section:



- a. Type the Virtual machine name.
- b. Select the **Region** where to deploy the machine.
- 9. Select the proper **Size** of the virtual machine. Two virtual CPUs and 8 GB RAM are the minimum required for a small company.
- 10. In the **Username** list, you can enter the Azure username, but it will be best to use '**cpmuser**' as the **username**.
- 11. In the **SSH public key source** list, select **Use existing key stored in Azure** or you can create a new key.
- 12. In the Stored Keys list, select azure_key, and then select Next:Disks.
- 13. In the Disks tab, select Review + create, and then select Next:Networking.
- 14. In the Networking tab, select Delete public IP and NIC when VM is deleted, and then select Next:Management.
- 15. In the **Management** tab **Identity** section, you can select **Enable system assigned managed identity** or use a user-based identity later, and then select **Next:Monitoring**.



16. In the **Monitoring** tab, select **Next:Advanced**.

< Previous Next : Monitoring >

Review + create

17. In the **Advanced** tab **User data** section, select **Enable user data**, and then select **Next** for **Tags**, if necessary.



- 18. Select Next:Review + create.
- 19. At the bottom of the **Review + create** tab, select **Create** to start the process.

```
Home > N2WS Backup & Recovery for Azure (preview) >
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Deployment stage messages appear in the upper right corner followed by 'Deployment is in progress' details.

20. When the deployment is complete, select **Go to resource**.



Home > CreateVm-n2wsoftw Deployment Search «	vareinc1657117813969.n2ws_backup20230320144226 Overview 🖈 …
 Overview Inputs Outputs Template 	 Source group: test-group Deployment name: CreateVm-n2woftwareinc1657117813969.n2ws Resource group: test-group Secure group: test-group Deployment details Next steps Setup auto-shutdown Recommended Monitor VM health, performance and network dependencies Recommended Run a script inside the virtual machine Recommended Tereate another VM Create another VM Stor resource Create another VM

The **CPMonAzure** screen opens.

- 21. In the Networking section of the Properties tab, copy the Public IP address.
- 22. In the **CPMonAzure** menu, select **Identity**.
- 23. In the System assigned tab, select Azure role assignments under Permissions.

Home > CreateVm-n2wsoftwareinc1657117813969.n2ws_backup20230320144226 Overview > MyCPMonAzure			
MyCPMonAzure Id Virtual machine	entity * ···		
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Extensions + applications			
🐔 Continuous delivery			
Availability + scaling			
Configuration			
💲 Identity			
Properties			
🔒 Locks			
Operations			
✓ Bastion			
🔇 Auto-shutdown			
🔗 Backup			
Disaster recovery			
🏶 Updates			
🔗 Inventory			
🐁 Change tracking			
📜 Automanage			
Configuration management			

24. On the Azure role assignments page, select the pre-defined user in the Subscription list.

25. Select +Add role assignment (preview).

The Add role assignment (Preview) window opens.



Home > CreateVm-n2wsoftwareinc1657117813969.n2ws_backup20230320144226 Overview > MyCPN Azure role assignments	AonAzure Identity >	Add role assignme	ent (Preview)	×
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idanshmueli V	Select a m	Select a role		~
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- 26. In the **Scope** list, select **Subscription**.
- 27. In the **Role** list, select **CPM-azure-enterprise_byol**, which should contain minimal permissions for the virtual machine to handle your resources. Then select **Save**.

Role assignment messages appear in the upper right corner.

The Azure portion of the configuration is complete.



4 Configure N2WS on Azure with the Configuration Wizard

To view a video of the N2WS configuration, see https://youtu.be/WPj12TZzo7Y

- 1. In Microsoft Azure, open a new tab and log on to N2WS using the public IP address of the virtual machine over HTTPS.
- 2. In the menu select **Overview**.
- 3. In the Properties section, copy the Public IP address under Networking.
- 4. Open a new tab in the browser and paste the **Public IP address** in the address bar. The N2WS Server Configuration page opens.
- 5. In the menu of the prior tab, select **Properties** and copy the **Resource ID.**

	ome > CreateVm-n2wsoftwareinc1657117813969.n2ws_backup20230320144226 Overview > MyCPMonAzure		
MyCPMonAzure Properties * ···			
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	Ø Microsoft Defender for Cloud	2904	
	Advisor recommendations	Ephemeral OS disk	
	Extensions + applications	NA	
	🐔 Continuous delivery	Azure Spot eviction policy	
	Availability + scaling	N/A	
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6. In the N2WS Configuration screen, paste the **Resource ID** in the **Virtual Machine Confirmation** step field and select **Next.**



N2WS N2WS Backup & Recovery (CPM) v4.1.2



- 7. Accept the End User License Agreement terms and select Next.
- 8. In the License and Root User step:
 - a. In the License list, select the proper license method.
 - b. Complete the logon root **User name**, optional **Email**, and **Password** sequence, and then select **Next**.
- 9. In the Virtual Machine Identity step, using the system assigned identity configured on Azure, select System-assigned in the VM managed identity type list, and then select Next.
- 10. In the Data Disk and Proxy step:
 - a. In the **Choose Time** list, select the appropriate time zone.
 - b. In the Choose new or existing disk list, select **Create New Data Disk**.
 - c. Choose proxy settings as needed, and then select Next.
- 11. In the Server Configuration step, accept the default values and select Next.
- 12. In the **Register Your Account** step, select **I don't want to register now**, and then select **Configure System**. The 'Configuring Server. It may take a while ..' message appears.

The installation is now complete.