



DH2i DxEnterprise 21.0 Software: Azure Extension Quick Start Guide

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DxEnterprise Azure Extension

This quick start guide describes how to install the DxEnterprise extension using the Azure Portal UI and Cloud Shell. Using this guide, the user will add the extension to a new VM deployment using the Azure Portal UI or add the extension to an existing VM using Cloud Shell.

Add the Extension to a New Virtual Machine

1. Login to the Azure Management Portal.
2. Search for “VM” using the search bar at the top of the window and select **Virtual Machines**.
3. Select **Add**, then select **Virtual Machine**.
4. Assign the VM to a resource group and give it a name.
5. Select a VM base image from the following operating systems:
 - Ubuntu 16.04, 18.04, or 20.04
 - Red Hat Enterprise Linux 7 or 8
 - Windows 2012, 2012R2, 2016, or 2019.
6. Set an SSH keypair or username and password, as needed.
7. Select **Advanced** -> **Select an Extension to Install** and choose a DxEnterprise offering from the list of extensions.
8. Select **Review + Create** in the bottom-left corner, then select **Create**.
9. Proceed to the section titled “Configure DxEnterprise”.

Add the Extension to an Existing VM Using Cloud Shell

The extensions DH2i offers on Azure use the naming convention <product>For<OS>. DxEnterprise is offered on Windows and Linux and use the following extension names:

- DxEnterpriseForWindows
- DxEnterpriseForLinux

Choose the extension name that matches the operating system of the VM. To add the extension to the VM, do the following:

1. Login to the Azure Management Portal.
2. Select **Cloud Shell** near the search bar at the top of the window.
3. Run the following command, substituting the resource group name, VM name, and extension name:

- ```
az vm extension set -resource-group <vm_resource_group> --vm-name <vm_name> --name <extension_name> --publisher Dh2ico
```

### Configure DxEnterprise

1. SSH or RDP to the VM.
2. Complete the steps in the section titled “Configure DxEnterprise” in the [RHEL/CentOS](#), [Ubuntu](#), and/or [Windows](#) installation quick start guide(s).

## Setup Second Node and Join to Cluster

1. Add the DxEnterprise extension to the VM using the instructions from either the “Add the Extension to a New Virtual Machine” or “Add the Extension to an Existing VM Using Cloud Shell” section in this guide above.
2. SSH or RDP to the VM.
3. Configure the second node and join it to the existing cluster.
  - Linux
    - i. Complete step one of “Configure DxEnterprise” and step three of “Setup Second Node and Join to Cluster” from the [RHEL/CentOS](#) or [Ubuntu](#) Installation Quick Start Guide.
  - Windows
    - i. Complete steps 2-4 of “Setup Second Node and Join to Cluster” from the [Windows Installation Quick Start Guide](#).
4. To further configure the cluster, reference some of the following docs:
  - [SQL Server Availability Groups with DxCLI Quick Start Guide](#)
  - [SQL Server Availability Groups with DxAdmin Quick Start Guide](#)
  - [SQL Server HA Instances for Linux on Azure Quick Start Guide](#)
  - [Azure Load Balancer Quick Start Guide](#)

## References

- [DxEnterprise Product Documentation](#)
- [Microsoft - Azure CLI Reference for Extensions](#)