



DH2i DxEnterprise 21.0 Software: Azure Marketplace Image for Linux Quick Start Guide

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Azure Marketplace Images for Linux

This quick start guide describes how to configure DH2i's bring-your-own-license (BYOL) and pay-as-you-go DxEnterprise Linux images available on Azure. Using this guide, the user will configure DxEnterprise on two servers (nodes) and join the second node into a cluster.

Prerequisites

- An Azure Virtual Machine (VM) with DxEnterprise pre-installed. To create a DxEnterprise VM using a Marketplace Image, visit the Azure Marketplace and search for "DxEnterprise."
- A second DxEnterprise VM is required for joining two nodes into a cluster.

Configure DxEnterprise

1. Use an SSH client to connect to the first server.
2. Run the setup.sh script to start DxEnterprise services.

Syntax

```
sudo bash /opt/dh2i/bin/setup.sh
```

3. (BYOL images only) Activate the server using the command `sudo dxcli activate-server`.

Syntax

```
dxcli activate-server <key> [node]
```

Parameters

Name	Description	Required
key	The license key.	True
node	The name of the node (comma-separated list of multiples).	False

Example

```
dxcli activate-server AAAA-BBBB-CCCC-DDDD
```

4. Set the cluster passkey using the command `sudo dxcli cluster-set-secret`.

Syntax

```
dxcli cluster-set-secret
```

Parameters

Interactive only.

Example

```
dxcli cluster-set-secret
```

5. OPTIONAL: DxEnterprise can utilize NAT matchmaking to easily connect servers across the internet. Use the command `sudo dxcli set-otpk` to set a One-Time PassKey for the cluster. The passkey expires one hour after creation by default.

NOTE: To use this feature, the license must have NAT enabled; pay-as-you-go Marketplace images come with NAT. For BYOL users wanting to inquire about license status, visit [DH2i's Client Portal](#) or run the command `sudo dxcli get-producttype` and look for **NAT** listed among the features.

Syntax

```
dxcli set-otpk [ttl] [otpk]
```

Parameters

Name	Description	Required
ttl	The time the key will expire.	False
otpk	The One-Time PassKey in base64.	False

Example

```
dxcli set-otpk
```

Setup Second Node and Join to Cluster

1. Use an SSH client to connect to the second server.
2. Complete step two (and step three for BYOL images) of the [Configure DxEnterprise](#) section for the second node.
3. Join the second node to the cluster using `sudo dxcli join-cluster` and follow the prompts.
 - If an OTPK was *not* set for the cluster, select **N** when prompted to join via NAT proxy. Enter the IP address and cluster passkey of the first server to join the cluster.
 - If an OTPK was set for the cluster, select **Y** when prompted to join via NAT proxy. Enter the OTPK to join the cluster.

Syntax

```
dxcli join-cluster
```

Parameters

Interactive only.

Example

```
dxcli join-cluster
```

4. To further configure the cluster, reference some of the following docs:
 - [SQL Server Availability Groups with DxCLI Quick Start Guide](#)
 - [SQL Server HA Instances for Linux on Azure Quick Start Guide](#)
 - [Azure Load Balancer Quick Start Guide](#)

References

- [DxEnterprise Admin Guide](#)
- [DxEnterprise DxCli Guide](#)
- [DH2i Support Portal](#)