



DH2i DxEnterprise 21.0 Software: AWS AMI for Linux Quick Start Guide

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AWS AMIs for Linux

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

Prerequisites

- An AWS Virtual Machine (VM) with DxEnterprise pre-installed. To create a DxEnterprise VM using a Marketplace Image, search for "DxEnterprise" in the Marketplace using the AWS search bar.
- 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. Set the hostname for the instance by running `sudo hostnamectl set-hostname <new_hostname>`.
3. Run the `setup.sh` script to configure DxEnterprise and activate the server.

Syntax

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

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.

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 steps 2-3 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. Read the following docs for more information about configuring the cluster:
 - [AWS Load Balancer Quick Start Guide](#)
 - [SQL Server Availability Groups with DxCLI Quick Start Guide](#)
 - [SQL Server HA Instances on Linux Quick Start Guide](#)

References

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