



## **DH2i DxEnterprise 21.0 Software: AWS AMI for Windows Quick Start Guide**

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## AWS AMI for Windows

This quick start guide describes how to configure DH2i's pay-as-you-go DxEnterprise Windows 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.

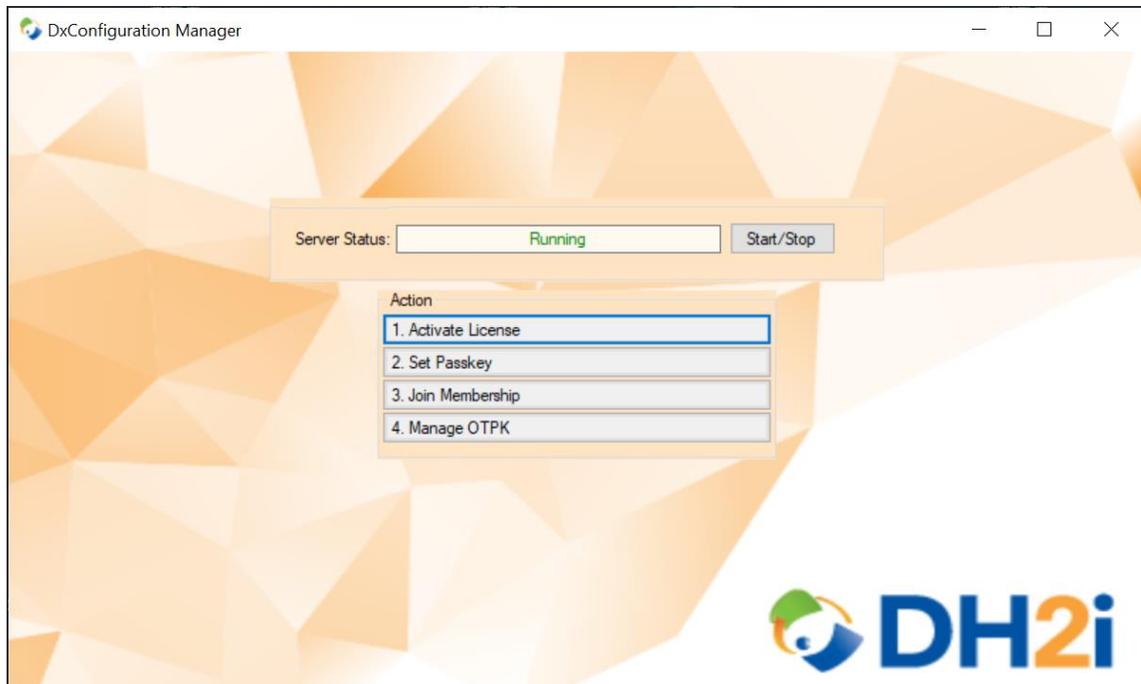
### Configure Server

1. Ensure the VM is up-to-date using Windows Update or sconfig.
2. Ensure the server hostname is set and unique.
3. Run the **DxEnterprise Setup** shortcut on the desktop to start DxEnterprise services.

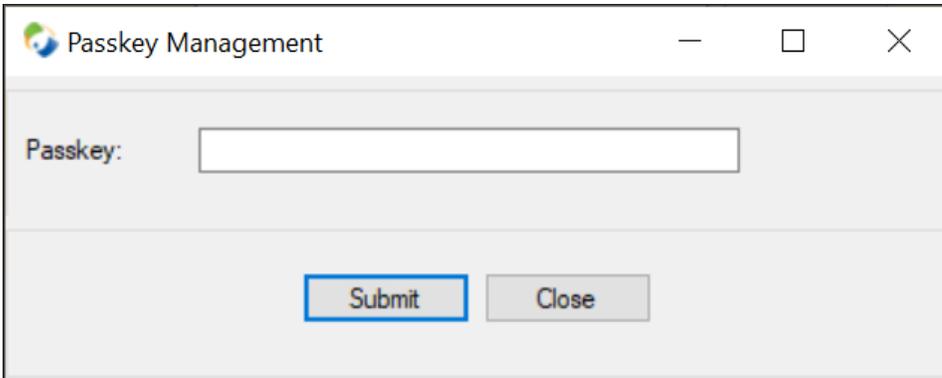
### Configure DxEnterprise Using DxConfiguration Manager

DxConfiguration Manager a client tool used to configure first-time DxEnterprise installations on Windows. After the configuration is completed, administrators can use DxEnterprise's management UI, DxAdmin, for cluster management.

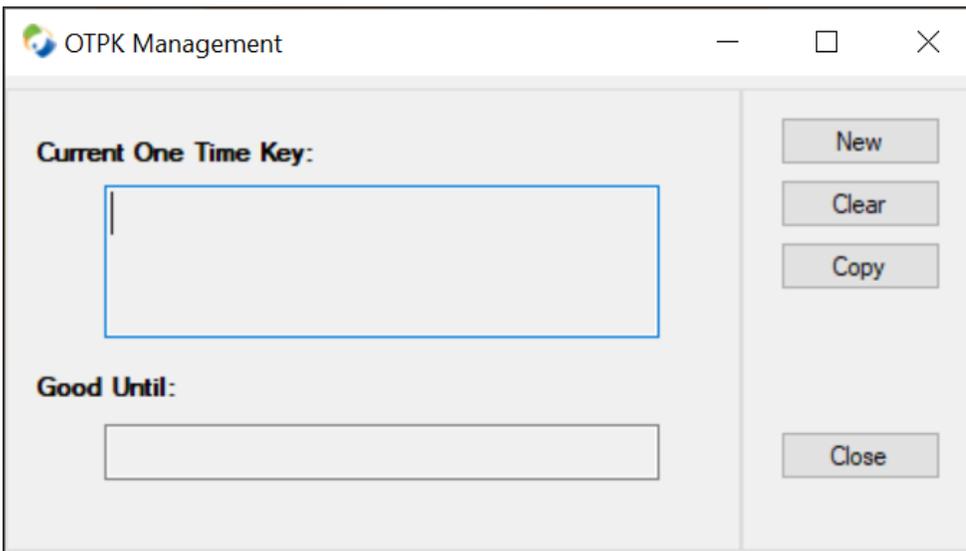
1. Start DxConfiguration Manager by double-clicking desktop shortcut.



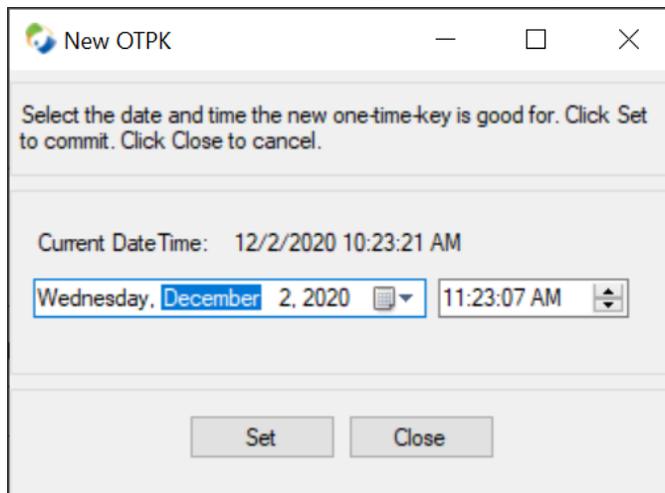
2. Click **Set Passkey** to open the "Passkey Management" window.



- a. Enter a passkey for the cluster and click **Submit**.
  - b. After the passkey is successfully set, select **OK** to return to the main menu.
3. OPTIONAL: DxEnterprise can utilize NAT matchmaking to easily connect servers across the internet. Click **Manage OTPK** to set a One-Time PassKey for the cluster that can be used by other nodes to join the cluster via NAT.



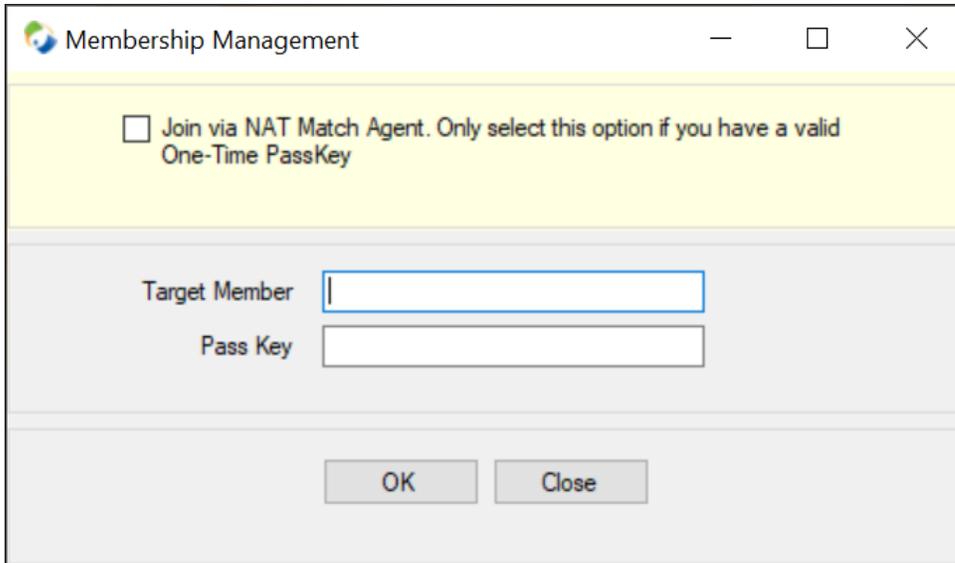
- a. Click **New** and a window will appear for setting the expiration time of the OTPK.



- b. Choose a time and date for expiration, then click **Select** to generate the OTPK and close the window.
- c. Save the OTPK for later so it can be used to join the second node into the cluster.

### Setup Second Node and Join to Cluster

1. Complete all steps in the [Configure Server](#) section for the second node.
2. Complete step one of [Configure DxEnterprise Using DxConfiguration Manager](#) for the second node.
3. At the DxConfiguration Manager menu, click **Join Membership**.



Membership Management

Join via NAT Match Agent. Only select this option if you have a valid One-Time PassKey

Target Member

Pass Key

OK Close

- a. NAT join only: If NAT matchmaking was selected in the previous steps, check the **Join via NAT Match Agent** box and skip step b.
  - b. In the “Target Member” field, enter the IP address or hostname of the first node.
  - c. In the “Pass Key” field, type or paste the cluster passkey *or* OTPK if joining via NAT match agent.
  - d. Click **OK** to join the second node to the cluster.
4. Close the DxConfiguration Manager window.
  5. To further configure the cluster, reference some of the following docs:
    - [SQL Server Availability Groups with DxAdmin Quick Start Guide](#)
    - [AWS Load Balancer Quick Start Guide](#)

### References

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