



## **DH2i DxEnterprise 21.0 Software: Installation Reference Guide for Ubuntu**

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## Installation Reference for Ubuntu

This guide is command reference for installing DxEnterprise and its dependencies on Ubuntu. For a more detailed installation guide, view the [Installation Quick Start Guide for Ubuntu](#).

### Install Dependencies and Applications

#### Install updates

- `sudo apt-get update`
- `sudo apt-get dist-upgrade`

#### Set host resolution for all nodes and Vhosts

- `sudo nano /etc/hosts`

#### Ensure hostname is set and unique

- `hostname`
- `sudo hostnamectl set-hostname <name>`

**NOTE: A system restart is required to apply changes.**

#### Download Microsoft package signing key (Ubuntu 16.04)

- `wget https://packages.microsoft.com/config/ubuntu/16.04/packages-microsoft-prod.deb -O packages-microsoft-prod.deb`

#### Download Microsoft package signing key (Ubuntu 18.04)

- `wget https://packages.microsoft.com/config/ubuntu/18.04/packages-microsoft-prod.deb -O packages-microsoft-prod.deb`

#### Download Microsoft package signing key (Ubuntu 20.04)

- `wget https://packages.microsoft.com/config/ubuntu/20.04/packages-microsoft-prod.deb -O packages-microsoft-prod.deb`

#### Add Microsoft package repository and Install .NET Core

- `sudo dpkg -i packages-microsoft-prod.deb`
- `sudo apt-get update`
- `sudo apt-get install apt-transport-https`
- `sudo apt-get update`
- `sudo apt-get install dotnet-runtime-3.1`

#### Install remaining dependencies

- `sudo apt-get install udisks2 zip`

#### Download the DxEnterprise package signing key

- `wget -qO- https://repos.dh2i.com/public.gpg | sudo gpg --dearmor -o /etc/apt/trusted.gpg.d/dh2i.gpg`

#### Register the Ubuntu repository for DxEnterprise

- `sudo sh -c 'echo deb [arch=amd64] https://repos.dh2i.com/ bionic retail >/etc/apt/sources.list.d/dh2i.list'`

**NOTE: The architecture parameter [arch=amd64] can be changed to arm64 or armhf to install DxEnterprise on those platforms.**

Update the package list and install DxEnterprise

- `sudo apt-get update`
- `sudo apt-get install -y dxenterprise`

## Configure DxEnterprise

Activate server license

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

Set cluster passkey (first node installation)

- `sudo dxcli cluster-set-secret`

Set One-Time PassKey (first node installation – requires NAT features enabled on license)

- `sudo dxcli set-otpk`

Join existing cluster

- `sudo dxcli join-cluster`

## References

- [DH2i Product Documentation](#)
- [DxEnterprise v21.0 DxCli Guide](#)
- [DxEnterprise v21.0 Admin Guide](#)
- [Microsoft – Install .NET Core SDK or NET Core Runtime on Ubuntu](#)