



DH2i DxOdyssey 20.0 Software: Ubuntu Installation Quick Start Guide

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Ubuntu Installation

This quick start guide describes how to install DxOdyssey on an Ubuntu Linux server. Using this guide, the user will install DxOdyssey dependencies and software, then join a second server (gateway) into a gateway group.

Prerequisites

The following requirements must be met before continuing with this guide:

- A physical or virtual machine running Ubuntu 16.04, 18.04, or 20.04. A second machine is required for joining two gateways into a gateway group.

Configure Server and Install Dependencies

1. Update the Ubuntu package list by using the command `sudo apt-get update`.
2. Update system packages using the command `sudo apt-get dist-upgrade`. If prompted to confirm, enter **Y**.
3. Ensure that the hostname is set and unique using the `hostname` command.
 - To rename the server, run `sudo hostnamectl set-hostname <name>`. The server must be restarted for the change to take effect.
4. Install Microsoft .NET 3.1 Runtime using [Microsoft's installation instructions](#).
5. Install remaining DxOdyssey dependencies by running `sudo apt-get install zip`.
6. OPTIONAL: Set host resolution for all servers (gateways) that will be participating in the gateway group using `sudo nano /etc/hosts`. Write the IP address and hostname of the servers to the file and save.

Install DxOdyssey

1. Download the DH2i package signing key by running the command `wget -qO- https://repos.dh2i.com/public.gpg | sudo gpg --dearmor -o /etc/apt/trusted.gpg.d/dh2i.gpg`.
2. Register the DH2i Ubuntu repository by running the command `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 DxOdyssey on those platforms.
3. Update the Ubuntu package list by using the command `sudo apt-get update`.
4. Install DxOdyssey from the repository by running the command `sudo apt-get install -y dxodyssey`.

Configure DxOdyssey

1. Activate the server using the command `sudo dxcli activate-server`.

Syntax

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

Parameters

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

Example

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

2. Set the gateway group passkey using the command `sudo dxcli gateway-group-set-secret`.

Syntax

```
dxcli gateway-group-set-secret
```

Parameters

Interactive only.

Example

```
dxcli gateway-group-set-secret
```

3. DxOdyssey utilizes NAT matchmaking to easily connect servers across the internet. Use the command `sudo dxcli set-otpk` to set a One-Time PassKey for the gateway group. The One-Time 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 Gateway and Join to Gateway Group

1. Complete all the steps in the [Configure Server and Install Dependencies](#) section for the second gateway.
2. Complete the [Install DxOdyssey](#) section and step one of the [Configure DxOdyssey](#) section for the second gateway.
3. Join the second gateway to the gateway group using `sudo dxcli join-gateway-group` and follow the prompts. When asked to use a NAT proxy, select **Y**. Enter the OTPK to join the gateway group.

Syntax

```
dxcli join-gateway-group
```

Parameters

Interactive only.

Example

```
dxcli join-gateway-group
```

References

- [DxOdyssey Admin Guide](#)
- [DxOdyssey DxCli Guide](#)
- [DH2i Support Portal](#)
- [Install .NET Core SDK or .NET Core Runtime on Ubuntu](#)