

# How to Set Up HarperDB on Ubuntu: A Step-by-Step Tutorial

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## 1. Prerequisites

Before you begin, ensure you have the following:

- Ubuntu OS
- Internet Connection
- Basic Terminal Knowledge

## 2. Step 1: Create a HarperDB Account

To manage your databases with HarperDB, you'll first need to create a free account. Visit HarperDB's official website, sign up, and confirm your email address.

## 3. Step 2: Update Your Ubuntu System

Run the following commands to update your Ubuntu system:

```
sudo apt update
```

```
sudo apt upgrade -y
```

#### **4. Step 3: Install Node Version Manager (NVM)**

Install NVM using cURL:

```
curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.2/install.sh | bash
```

Load NVM into your shell session:

```
source ~/.bashrc
```

Verify installation with:

```
nvm --version
```

#### **5. Step 4: Install Node.js v14.20.0**

Install Node.js version 14.20.0 using NVM:

```
nvm install 14.20.0
```

Verify installation:

```
node -v
```

```
npm -v
```

#### **6. Step 5: Install HarperDB CLI**

Install HarperDB globally using npm:

```
npm install -g harperdb
```

Verify installation:

```
harperdb version
```

## **7. Step 6: Run HarperDB Locally**

Run HarperDB on your local machine with:

```
harperdb run
```

Follow the setup instructions and create a new username and password.

## **8. Step 7: Connect to Your Local HarperDB Instance**

Go to HarperDB Dashboard in your browser, register your local instance, and connect with the details (localhost, port 9925).

## **9. Additional Tips**

You can expose your local HarperDB instance to the internet using tools like ngrok or Localtunnel.

## **10. Conclusion**

Congratulations! You have successfully set up HarperDB on your Ubuntu machine.