

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.