

# Koha Backend Installation

## 1. Add Koha package source:

```
apt-get update
apt-get -y install sudo wget gnupg2
wget -q0 - https://debian.koha-community.org/koha/gpg.asc | gpg --dearmor -o
/usr/share/keyrings/koha-keyring.gpg
apt-get update
```

## 2. Add Koha repositories:

First, you need to add the Koha repositories to your Debian system. Create a new file `/etc/apt/sources.list.d/koha.list` using a text editor (you'll need root privileges):

```
sudo nano /etc/apt/sources.list.d/koha.list
```

Add the following lines to the file:

```
deb [signed-by=/usr/share/keyrings/koha-keyring.gpg] https://debian.koha-
community.org/koha stable main
```

Save the file and exit the text editor.

## 3. Update Package Index: Update the package index to make sure your system has the latest information about available packages:

```
apt update
```

## Install Koha packages:

Install the Koha packages using the `apt` package manager. This will install Koha and its dependencies:

```
apt-get install koha-common
```

## 4. Install the database:

Install MariaDB (recommended).

```
apt-get install mariadb-server
```

## 5. Configure the defaults:

Edit the file `/etc/koha/koha-sites.conf` and adjust it to suit the configuration that you'd like as set Intraport to 8080.

```
DOMAIN=".example.com"
INTRAPORT="8080"
```

```
INTRAPREFIX=""
INTRASUFFIX=""
OPACPORT="80"
OPACPREFIX=""
OPACSUFFIX=""
```

## 6. Set up Apache2:

```
sudo a2enmod rewrite
sudo a2enmod cgi
sudo service apache2 restart
```

## 7. Configure Apache port:

Configuring Koha for access by IP address with port 80 to OPAC and 8080 to Staff interface.

Now edit `/etc/apache2/ports.conf` and make sure the following lines are present:

```
Listen 80
Listen 8080
```

## 8. Restart Apache2

```
sudo systemctl restart apache2
```

## 9. Create a Koha instance:

Only do this if you are running MySQL locally.

Replace `libraryname` with the name of your library:

```
sudo koha-create --create-db libraryname
```

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