**Installation Guide**

# **Install Kubernetes Cluster**

<https://vitux.com/install-and-deploy-kubernetes-on-ubuntu/>

Please follow the above url to install kubernetes cluster.

It will be much better than me

# **Install API Server on master Host**

* **Update Software Repository**

As usual, it’s a good idea to update the local database of software to make sure you’ve got access to the latest revisions.

Therefore, open a terminal window and type:

sudo apt-get update

Allow the operation to complete.

* **Install mysql**

Install mysql for core db.

Use the command:

sudo apt install mysql-server

sudo apt install mysql-client

* **Install python3 and Django rest api framework**

Install python3.

Use the command:

sudo apt install python3-pip

sudo apt-get install libmysqlclient-dev

sudo pip3 install mysqlclient

sudo pip3 install django

sudo pip3 install djangorestframework

sudo pip3 install djangorestframework-datatables

* **Create core database**

You can create the database on mysql and deploy tables by executing the sql file I have shared.

I think it will be easier if you use the dedicated tool such as Navicat.

Plz don’t forget to create the mysql user account for api server.

# **Configure API Server**

* **Configure database**

Copy the api server project (/work/erp\_api) and update the database connection parameters in setting file (erp\_api/erp\_api/setting.py)

* **Run the api server**

Use the command:

sudo python3.6 /work/erps\_api/manage.py runserver 0.0.0.0:8001 > /work/api.log &