

# Kubeet IOT (Internet of Things)

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March 22, 2017

## **Abstract**

Basic requeriments for Kubeet Internet of things Platform ...

## **1 Mongodb**

Mongodb

### **1.1 Install**

Install

```
#install mongodb
```

```
$ sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80  
--recv 0C49F3730359A14518585931BC711F9BA15703C6
```

```
$ echo "deb http://repo.mongodb.org/apt/debian jessie/mongodb-org/3.4 main"
| sudo tee /etc/apt/sources.list.d/mongodb-org-3.4.list

$ sudo apt-get update

$ sudo apt-get install -y mongodb-org

$ sudo service mongod start

# start mongo

$ mongo
```

## 1.2 Creating database

Creating database

```
$ use kubeet-iot
```

## 1.3 Insert data

Insert data, Query

```
# insert some data in json format

$ db.devices.save({device_key:"XRT761TYB", device_name:"RASPBERRY PI 3"})
$ db.devices.save({device_key:"QAS0912POL", device_name:"INTEL EDISON"})

# query inserted data

$ db.devices.find()
```

## **2 Zero MQ**

Framework for Messaging with several patterns, pair to pair, client / server, pub/sub, queue

### **2.1 Zero MQ Install**

Install

```
$ pip install pyzmq-static
```

#### **2.1.1 Pair Pattern**

#### **2.1.2 Client/Server Pattern**

#### **2.1.3 Publish/Suscribe Pattern**

#### **2.1.4 Push/Pull Pattern**