

# OM2M Tutorial

Shubham Mante

# OM2M platform

- An open-source implementation of oneM2M standards by LAAS-CNRS
- A horizontal M2M service platform
- A horizontal Service Common Entity (CSE) that can be deployed in an M2M server, a gateway, or a device.

Source: <https://www.eclipse.org/om2m/>



# OM2M server setup

- Download latest version of OM2M
  - <https://wiki.eclipse.org/OM2M/Download>
  - Open: <http://127.0.0.1:8080/webpage>
- Java version (<https://computingforgeeks.com/how-to-install-java-8-on-ubuntu/>)
  - \$ java -version  
>> openjdk version: 1.8.0\_292
  - \$ sudo update-alternatives --config java  
(<https://www.xmodulo.com/change-default-java-version-linux.html>)
- OM2M REST APIs
  - Create, Read, Update, Delete + Notification (CRUD + N)
- Subscription
  - <https://www.laas.fr/projects/IOT/sites/www.laas.fr.projects.IOT/files/u77/monitor.jar>

Source: [https://wiki.eclipse.org/OM2M/one/REST\\_API](https://wiki.eclipse.org/OM2M/one/REST_API)