

IOT- OPENSOURCE-RESOURCE

by

SUCHITAV KHADANGA

DEC 11 2016

OPEN SOURCE



OCEAN

Open allianCE for iot stANdard

<http://open-iot.net/ocean>

OPEN SOURCE



Eclipse OM2M
Open source standard-based
IoT platform



eclipse.org/om2m
om2m-dev@eclipse.org



Eclipse OM2M roadmap

- oneM2M-based platform.
- IN, MN, ASN, and MN nodes support.
- Protocol-independent CORE module.
- HTTP and CoAP communication bindings.
- XML and JSON resource formats.
- Interworking driver for simulated devices.
- Web interface for resource browsing and debugging.
- DAO persistence layer for SQL and NOSQL databases.
- Semantic capabilities.
- Android support.

OPEN SOURCE



IoTDM Daylight Open Source Project

<https://wiki.opendaylight.org/view/IoTDM:Main>

IoTDM from Daylight Project

- ❑ The IoTDM project is about developing a data-centric middleware
- ❑ oneM2M compliant IoT Data Broker (IOTDM)
- ❑ Enable authorized applications to retrieve IoT data uploaded by any device.

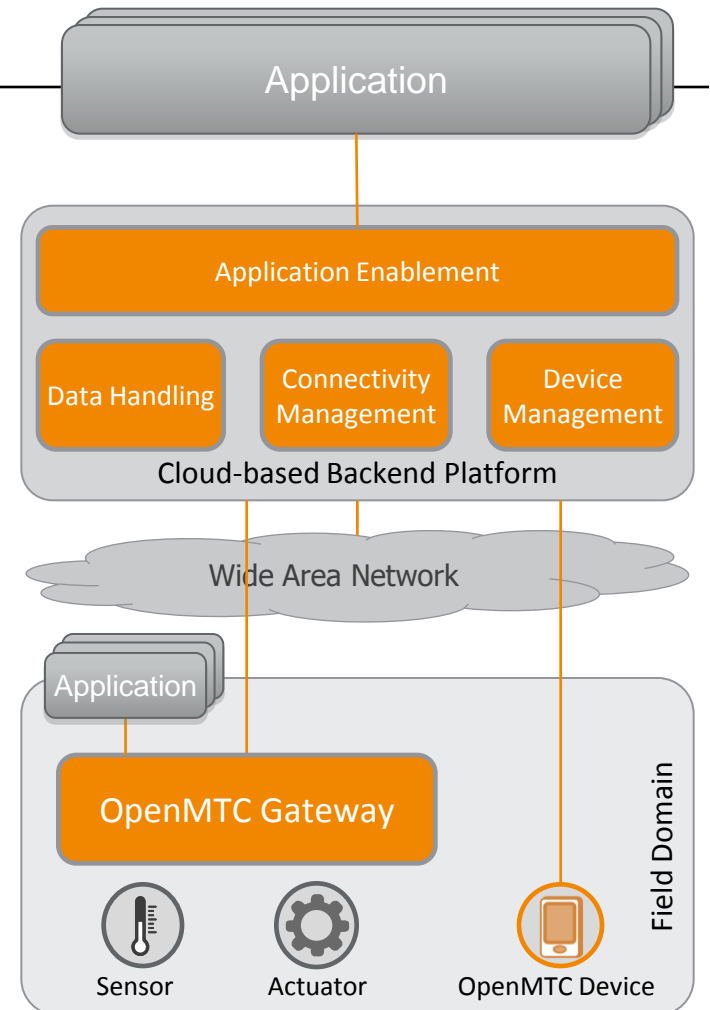


Open Machine-Type Communication (openMTC)

OpenMTC – M2M Session Control for Smart Cities

Comprehensive M2M/IoT platform

- Enable the academia and industry to
 - Develop and validate domain-specific M2M/IoT applications and services
 - Integrate various machine devices with operator networks
- Comprehensive M2M/IoT deployment
 - Over managed or unmanaged core
 - Intermediary layer
 - Between multiple managed domains
 - Service platforms, the operator network, and devices
- Aligned with ETSI, oneM2M and OMA spec
 - Extensible to specific research needs
 - Configurable & high performance
- The OpenMTC is non-open source



More Information: www.openMTC.org

RED HAT® CLOUD INFRASTRUCTURE

The Red Hat Way to Open Cloud

**RED HAT®
CLOUD
INFRASTRUCTURE**



```
graph TD; A[RED HAT® CLOUD INFRASTRUCTURE] --- B[RED HAT® ENTERPRISE VIRTUALIZATION]; A --- C[RED HAT® CLOUDFORMS]; A --- D[RED HAT® OPENSTACK™];
```

**RED HAT®
ENTERPRISE
VIRTUALIZATION**

**RED HAT®
CLOUDFORMS**

**RED HAT®
OPENSTACK™**

RED HAT ENTERPRISE VIRTUALIZATION

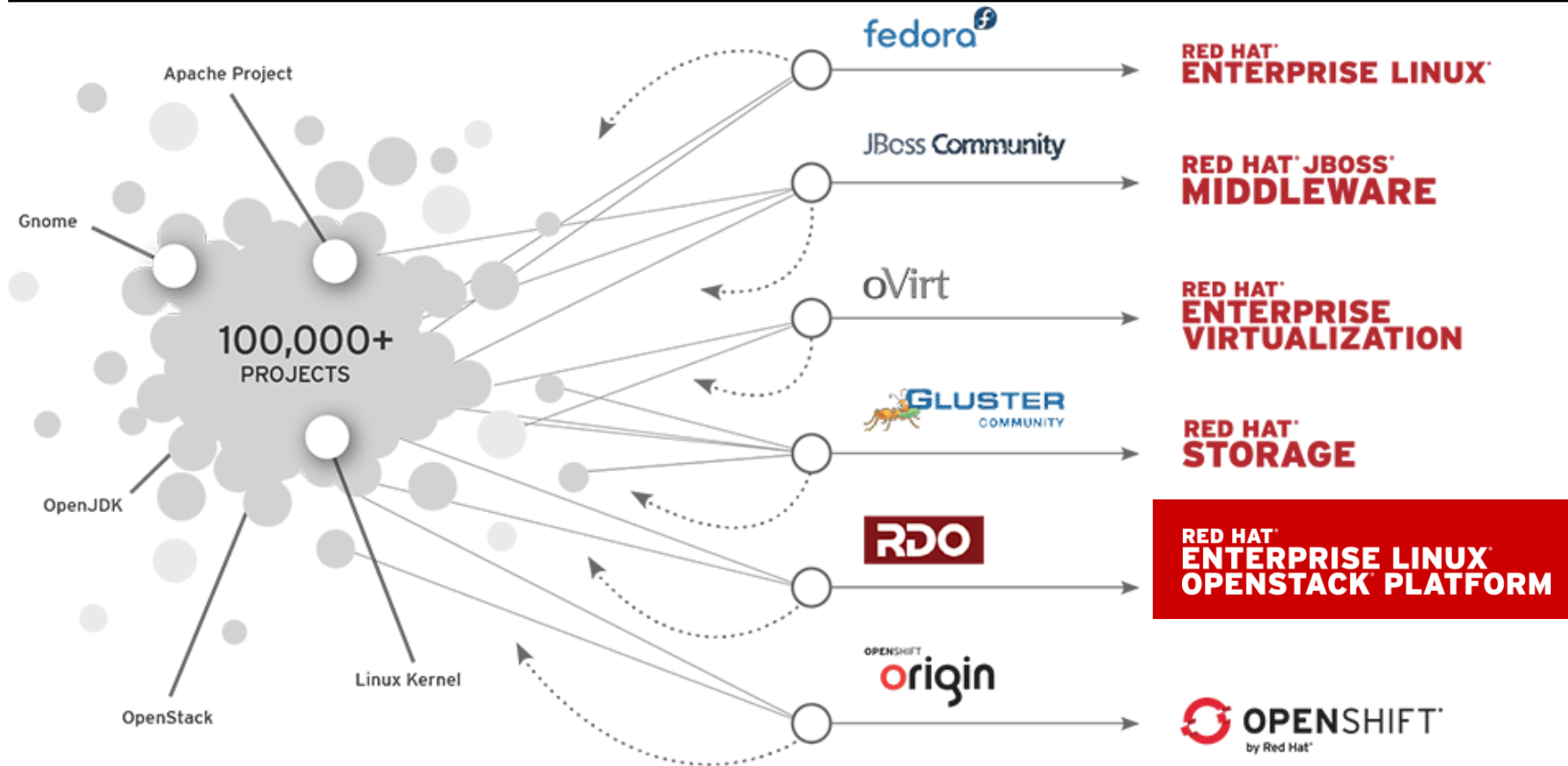


RED HAT ENTERPRISE VIRTUALIZATION



- Cross-platform
- Leading performance
- Cost-effective
- Enterprise-ready
- Open

Red Hat Leads Through Open Innovation



I like few of them

- ❑ <https://sourceforge.net/>
- ❑ <https://github.com/>
- ❑ **GOOGLE SEARCH**

THANKS
