



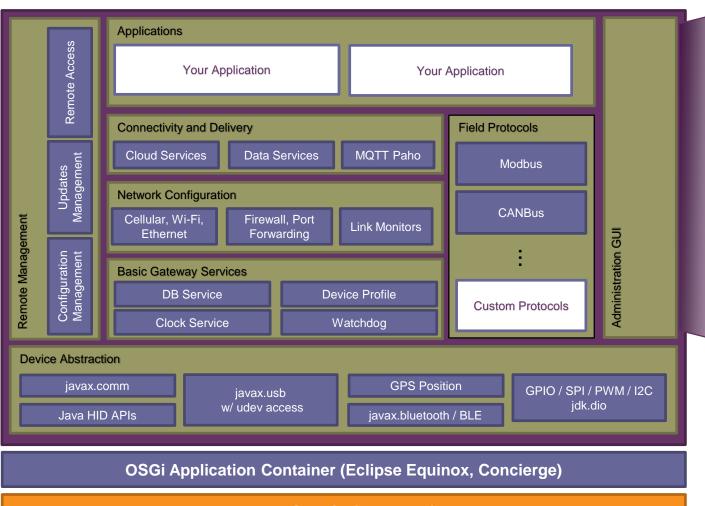
Eclipse Kura Project Update

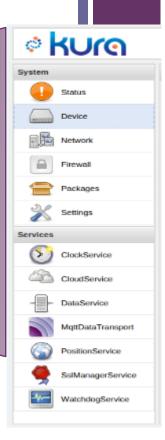
Ludwigsburg – 24/10/2016 Matteo Maiero – Committer



Eclipse Kura

Eclipse Open Java Stack for IoT Gateways





Java SE 7 / 8 (OpenJDK)

Project statistics

- October 2016:
 - 22 contributors
 - **2400+ commits**
 - Bugs/Enhancements:
 - 130 Open
 - 210+ Closed
 - Pull requests
 - 8 Open
 - 300+ Closed

	Opened bugs	Closed bugs	Code authors	Commits	Posted messages	Senders
4diac	82	137	11	133	12	
californium	52	41	19	468	323	
concierge	12	3	5	92	18	
eclipsescada	0	19	3	366	4	
edje	0	0	2	2	1	
hawkbit	26	5	22	1298	1	
hono	36	32	5	247	116	
krikkit	0	0	1	1	0	
kura	298	146	21	1047	111	
leshan	44	50	20	409	157	
milo	28	21	7	84	11	
mosquitto	252	172	19	221	273	
om2m	1	1	7	73	25	
paho	312	225	54	401	429	
paho.incubator	0	0	0	0	0	
ponte	0	0	3	8	0	
risev2g	2	1	1	17	2	
smarthome	665	567	83	994	55	
tinydtls	0	2	2	14	21	
vorto	258	141	21	496	1	
wakaama	55	50	14	201	65	
whiskers	0	0	2	28	1	

Kura Project Releases

- Kura 1.4.0Released February 2016
 - Improved SSL support
 - Improved Remote Deploy
 - New firewall management
 - Iptables-save
 - Iptables-restore
 - New modem Ublox SARA-U2
 - Refactored Emulator

- Kura 2.0.xReleases since July 2016
 - Added support for:
 - Multiple Cloud Connections
 - Wi-Fi multimode
 - X86_64 systems
 - AWS IoT Cloud
 - New web UI
 - GWT 2.7/GwtBootstrap 3
 - Drag-and-drop Installs
 - Improved Bluetooth APIs (Bluez 5.x)
 - Initial integration of Apache Camel
 - New examples:
 - SenseHat
 - Beacon.scanner

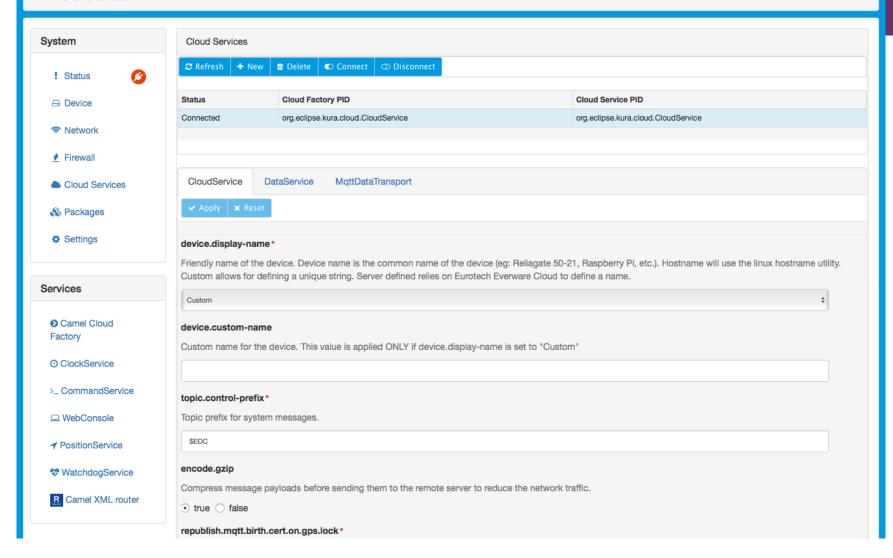
Kura Planned Project Releases

- Kura 2.1.0Planned for Q4 2016
 - Complete Camel integration
 - Multiple Cloud Connections UI
 - Oomph-based Dev Env
 - Platform Support
 - Fedora Linux
 - Raspberry Pi 3 support

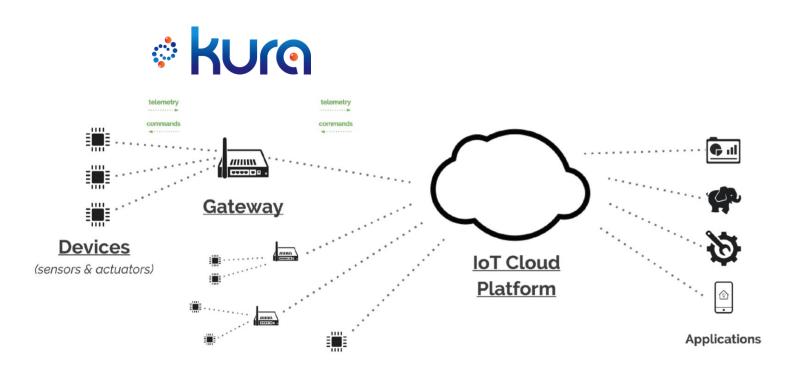
- Kura 2.2.0 Planned for Q1 2017
 - Kura Wires
 - Assets and Drivers
 - Wire Components and Graph
 - Field Protocol Drivers
 - Modbus, OPC-UA, BLE, ...
 - Runtime Platform Refresh
 - Java 8 (min) and Equinox 3.11
 - Apache Karaf
 - Optional Bundles
 - Messaging (ActiveMQ)
 - Drools (BRMS)



Kura 2.1.0 preview



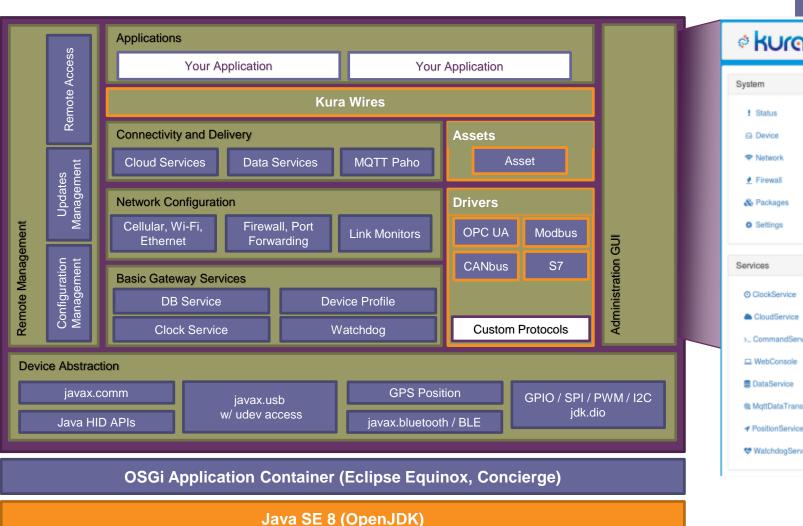
Devices and Gateway





Eclipse Kura 2.2.0

New: Drivers, Assets, Wire Components, Wire Graph

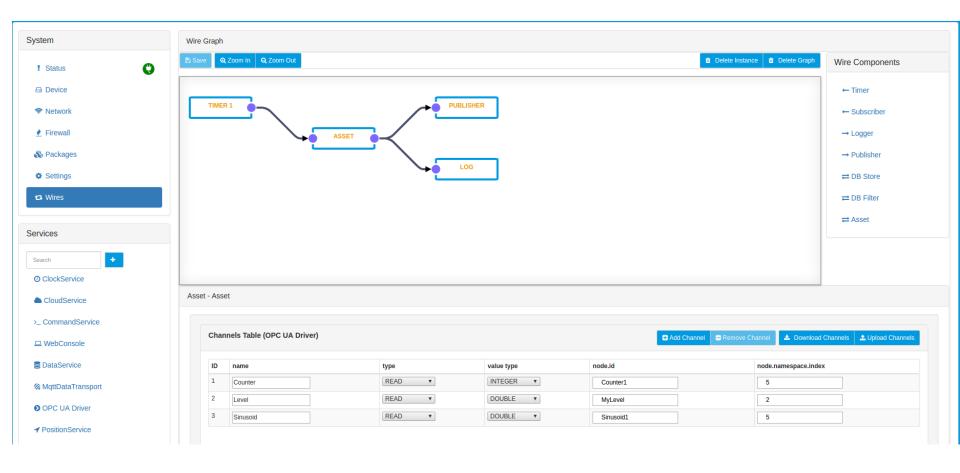


♦ kure >... CommandService & MgttDataTransport WatchdogService



* Kura 2.2.0 Wires

Preview



Kura Next Steps

- IoT Cloud Integrations
 - IBM Watson IoT
 - Microsoft Azure
 - Oracle IoT Cloud
- Eclipse IoT Integrations
 - Eclipse Kapua
 - Eclipse Milo
 - Eclipse Vorto
- Other Desired Integrations
 - Eclipse Californium
 - Eclipse Leshan

- Key Challenges
 - Widen the Community
 - Open Weekly meeting
 - Full visibility
 - Issues
 - Team board
 - Help Wanted Page
 - Increase Marketplace Presence
 - TI SensorTag
 - Raspberry SenseHat
 - Wires Drivers
 - Wires Components

⁺ Thank You!

Fork me on GitHub!

- https://github.com/eclipse/kura/
- Join the discussion:
 - kura-dev mailing list
 - iot-dev mailing list
- Visit us at Booth #12