Experiment No-09

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Aim: create a small dashboard, application to be deployed oncloud. Different publisher devices can publish their information and intrested application can subscribe

Theory .

Tot platforms are suites of component those help to setup and manages the internet connected device. A person-can remotely collect data, monitor and manage all internet connected devices from a sign. Single system.

TOT aloud platforms:

Kaa TOT platform 2. 8itewhere: open
platform for the TOT 3. Thingspeak:

An TOT platform with MATLAB analytics 4. Devicelive: TOT made Easy
5. Zetta: APT-First TOT platform.

Kag - Features: 1. manage an unlimited number of connected device. 2. Set up across device operability. 3. perform Ala services testing. 4: perform realtimedevice monitoring. 5. perform remote device provisioning & configuration. 6. collect and analyze seson data. 7. Analyze User behaviour deliver tragets. hotifications. 8. Create cloud services for smart products Site where - Features. 1. Runary number of Tot application on a. Single Site where instance: 2. Spring delivers the core configuration frame 3. connect devices with NaTT, AMOR, Stomp and other protocols. 4. Add Devices through self-registeration. REST services, or in batches. 5. Integrates with third-party integrations · fransworks such as Nule Any point. 6: Défaut DB Storage ismongobB. 7. Eclipse Californium for COAP messaging. 8. Influx DB for event data storage. 9. Grafana to visualize sitewhere data.

PO-04 Framing Merce

10. HBase for non-relational data store Thingspeak-Features. 1. collect data in private channels. 2. Sheare data with public channels. 3. RESTFUL and NaTT APTS. 4. NATLAB Analysis and Visualizations. S. Alents. 6. Event Scheduling 7. App Integrations. 8. worldwide community. Devicetive - Features. 1. Directly integrates with Alexa. 2. visualization dashboard of your choice. 3. Customize Devices Hive behaviour by runing your Customjavascript code. 4. It support bigdata, solutions such as Flastic Search, Apachespunt, Cassandra. and kalla for real time and batch processing. 5. connectany device via RESTAPT, web-Sackets or NOTT.

Tetta Features.

1. Built around Mode, is , REST, Websockets, and a flowbased " reactive programming" 2. support wide range othacker boards. 3. Zetta allows you to assembler smartphone, apps, device apps, and cloud apps. Thing Speak Apps: Analytics: - NATLAB, Analysis, MATLAB -Visualization, plugins. Actions: - Thing Tweet, Tweet Control, Time Control, React, Talk Back, Thing HTTP. Sonchision -> Thus we have Designed. small applications Using Things speak.