Lesson 7
Communication Gateway

Communication Gateway

- Connects two application layers, one at sender and other at receiver

- Gateway enables use of two different protocols at sender and receiver ends

Oracle IoT Architecture Gateway

- Connects Applications

- Connects IoT communication frameworks, and Web

- Performs communication management

- Performs proxy functions

Communication Gateway

- Facilitates the communication between web server using TCP/IP protocol conversion gateway and IoT devices

- Facilitates Communication between a device using CoAP client and HTTP server

Communication Gateway

- connects the sender and receiver ends using two different protocols

- For example, IoT devices network maybe ZigBee network for connecting the devices

- The network then connects to the web server through a Gateway

Communication Gateway

- The HTTP server posts and devices network gets the data using the Gateway

- Facilitates the communication between IoT devices and web server, for example, (i) ZigBee to SOAP and IP or (ii) CoAP protocol conversion gateway for RESTful HTTP (Section 3.3.4).

Communication Gateway

- Functions as Proxy between the system and server.

Summary

We learnt

- A Communication Gateway facilitates the communication between IoT devices and web server

End of Lesson 7 on Communication Gateway