IoT with AWS Cloud

AWS IoT provides secure, bi-directional communication between Internet-connected things (such as sensors, actuators, embedded devices, or smart appliances) and the AWS cloud. This enables you to collect telemetry data from multiple devices and store and analyze the data. You can also create applications that enable your users to control these devices from their phones or tablets.

Highlights:

1. No devices are required it will work over the cloud so only Internet is required

2. This course content approved by Infosys Campus connect panel

3. This course content will cover cloud computing and IOT both.

4. After completion of this training student will face any advance level technical interview.

5. No of Days required – 2 Days.

Course Content

- ❖ Install the AWS CLI

- ❖ Create a Device in the Thing Registry

- ❖ Secure Communication between a Device and AWS IoT

- ❖ Verify MQTT Subscribe and Publish

- ❖ Configure and Test Rules

- ❖ Use the Device Registry & Shadows

- ❖ Device Registry

- ❖ Security and Identity
  - Identity in AWS IoT
  - Authorization

- ❖ Message Broker
  - Protocols
  - Topics

- ❖ Rules
  - Granting AWS IoT the Required Access

- Creating an AWS IoT Rule

- Viewing & Deleting Your Rules

- AWS IoT Rule Actions

❖ AWS IoT SQL Reference

- Expressions

- SELECT, FROM, WHERE Clauses

- Functions & JSON Extensions

- Substitution Templates

❖ Device Shadows

- Device Shadows Data Flow

- Device Shadows Documents

- Using Device Shadows

- MQTT Pub/Sub Messages

- Document Syntax & Error Messages

❖ AWS IoT SDKs

- Device SDK

- AWS IoT Device SDK for C

- AWS IoT Device SDK for Node.js

❖ Troubleshooting

- Diagnosing Connectivity Issues

- Setting Up CloudWatch Logs

Diagnosing Rules Issues

Fees: Rs. 1400/- per head.