

Lesson 1

Key Terms- Cloud platform, Connected Universe Platform, Device agent, IFTTT.....

Service

- Service means a mechanism, which enables the provisioning of access to one or more capabilities
- An interface for a service provides the access to the capabilities. The access to each capability is consistent with the constraints and policies, which a *service description* specifies.
- Service needs to be advertised or discovered
- The service binds by an SLA

Web Service

- Web service refers to a service using the web protocols, web objects or WebSockets
- Examples: Location, weather reporting, traffic density reporting or streetlights monitoring and controlling service.

Cloud Computing

- Computing using a collection of services on the cloud available over the Internet that deliver computational, storage, software or infrastructure functionalities
- Computing using a service provider cloud platform
- Computing using a cloud service for distributed, grid and utility computing.

PaaS

- A service model in which a platform becoming available to a developer of application, service or process on-demand through Internet.
- An enabler for development of applications, services and processes which execute using the cloud platform for computing, data store and distribution computing nodes
- An enabler for network, resources, maintenance, updating, and security as per the developer requirements are responsibility
- of cloud service provider.

Cloud Connected Device Platform

- Refers to cloud services platform for the devices connectivity
- Devices control, monitoring, applications, services and other functions

Cloud Connected Universe Platform (CUP)

- Refers to cloud services platform for the multisources
- and systems data including the devices connectivity, controls, monitoring, applications, services and other functions
- Provisions number of functions and accessibility including the connected devices and multiple data sources, such as customers, mobile applications and social network

Device Agent

- Refers to software which provides the reporting and real-time information to a deployment server (enterprise or applications or cloud server)
- Refers to software for controlling the device that is installed onto a computing node for the devices/mobile devices
- Communicating with control of a deployment server and carries out the instructions it receives from that server

Multi-tenant platform

- Refers to a platform that can be used by multiple developers, companies, service deployments

Domain Agnostic Platform

- Refers to platform which functions and render services on virtually any business domain

Predictive Analytics

- An advanced analytics technique to answer the question what will happen
- Answer based on interpretations of the outputs and results from advanced descriptive analytics, data visualisation and other methods

Data Visualisation

- Refers to examining and viewing the results from an analytics, process, or process for intelligence or knowledge
- Using a dashboard, infographic, or other applications.
- May be for data dices and slices visualisation

Infographic

- Refers to Information graphic or graphic visual representation of information, data or knowledge

Automated Dashboard Or Infographic

- Refers to creation of dashboard or infographic by
- software, such as analytics or business process.

IFTTT

- Refer to free web- service from a company named as IFTTT.
- Name deriving from the service which enables service user to create a sequential set of conditional statements(If This Then That), called applets
- Applets trigger actions by change to other web-services, such as Facebook, Twitter, Gmail.

Summary

We learnt key terms such as

- Cloud platform
- Connected Universe Platform
- Device agent
- Predictive Analytics
- Data Visualisation
- IFTTT

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