# **IBM CLOUD SERVICES**

## **IBM Watson IoT Platform:**

- ➤ Watson IoT Platform features Analytics and Watson APIs Completely manage your IoT landscape and make better business decisions.
- ➤ It assures delivery of messages Developer friendly libraries.
- ➤ It integrates with java environment.
- ➤ Allows development of interactive mobile messaging applications.
- ➤ Easy to use, web-based command line interfaces.
- ➤ Can be deployed on public cloud infrastructure in IBM cloud, Amazon and Azure cloud environments.

#### **NODE - Red Service:**

- ➤ Node Red is a flow-based programming tool, originally developed by IBM's Emerging Technology Services team and now a part of the Open JS Foundation.
- ➤ The node part reflects both flow/node programming model as well as the underlying node.
- ➤ It is low code programming for event for event driven applications.
- ➤ Node-RED consists of a Node.js based runtime that you point a web browser at to access the flow editor.
- ➤ Within the browser you create your application by dragging nodes from your palette into a workspace and start to wire them together.
- ➤ With a single click, the application is deployed back to the runtime where it is run.

#### **Cloudant DB:**

- ➤ IBM Cloudant is a fully managed JSON document database that offers independent serverless scaling of provisioned throughput capacity aNd storage.
- ➤ Cloudant elastically scales throughput and storage and it's API and replication protocols are compatible with Apache couch DB for hybrid or multi-cloud architectures.
- ➤ IBM cloud provides an option of creating a fully managed cloudant instance on IBM cloud.

### **Object storage:**

- ➤ Object storage is computer-based data storage that manages data as objects.
- ➤ Object storage is used for purposes such as storing objects like videos and photos on Facebook, song on Spotify or files in online collaboration services such as Dropbox.
- ➤ object storage provides programmatic interfaces to allow applications to manipulate data.
- ➤ It does not support the locking and sharing mechanisms needed to maintain a single, accurately updated version of life.
- ➤ Object storage explicitly separates file metadata from data to support additional functionalities.

