

IBM CLOUD SERVICES

IBM Watson IoT Platform

- ❖ Analytics and Watson APIs are available on the Watson IoT Platform. Manage every aspect of your IoT environment to improve business decisions.
- ❖ It guarantees message delivery through developer-friendly libraries.
- ❖ With the Java environment, it integrates.
- ❖ Provides the ability to create interactive mobile messaging applications.
- ❖ Web-based command line interfaces that are simple to use.
- ❖ Can be implemented on open source cloud computing platforms like IBM, Amazon, and Azure.

NODE - Red Service

- ❖ A flow-based programming tool called Node Red was first created by the Emerging Technology Services group of IBM is now a JS Open Foundation.
- ❖ The node component depicts both the flow/node programming model and the base of the node.
- ❖ It is low-code programming for applications that are driven by events.
- ❖ To access the flow editor, you direct a web browser at the Node.js-based runtime that makes up Node-RED.
- ❖ You build your application in the browser by dragging nodes from your palette onto a workspace and starting to connect them.
- ❖ The application is deployed back to the runtime where it is executed with a single click.

Cloudant DB

- ❖ A fully-managed JSON document database called IBM Cloudant provides autonomous serverless scaling of the throughput provisioned size and storage.
- ❖ For hybrid or multicloud systems, Cloudant elastically scales throughput and storage, and its API and replication protocols are compatible with Apache Couch DB.
- ❖ A fully managed cloudant instance can be created on IBM cloud as an alternative.

Object storage

- ❖ Data are managed as objects in object storage, which is computer-based data storage.
- ❖ Object storage can be used to store things like movies and images from Facebook, songs from Spotify, or files from online collaboration tools like Dropbox.
- ❖ Programmatic interfaces are provided by object storage to allow apps for data manipulation.
- ❖ The necessary locking and sharing mechanisms are not supported by it keep a single, correct version of life updated.
- ❖ To allow more functionalities, object storage explicitly separates file metadata from data.