BASIC KNOWLEDGE

ABOUT CLOUD SERVICES

IBM WATSON IOT PHATFORM:

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It is a powerful web Rathboard. Flexible, scalable and easy to use It provide a clean and simple ut where we can simply and easily add and manage devices, control access to IoT services, monistron the wage. It is fully manged cloud-hosted service that is delighed to simplify and down value from IoT devices.

Device Management :

Using durice management sorvice, se can porform durice actions like subsorting or updating formulae, sective durice deagonistics and metadata, a perform bulk device addition and removal.

Responsive, Scalable connectivity:

It uses the Endustry-Standard MATT protously to connect devices and applications. MATT is designed for efficient excharge of data to and from devices in Heal-time

secure communication:

securely receive data from and send commands do your devices. Do this using trait with The to support secure all communications

between your devices and our solvius.

Data Efecycle Managements:

Having accessed to neal-time data stored coming from own devices, you can ont to store data for a period of our choice, allowing you to have access to ristorical and real-time clata.

NODE-RED SERVICE

Node-Red Is a programming took for wining together hordware durices, API's and online sorvice. In new and intoresting ways. It provides a browser based editor that makes it easy to wise tagether flows very wider range of nodes in its palette that can be deployed to its suntime.

Browser -Based Flow Editing:

Node-Red provides a browsen based flow.

editor that makes It easy to wide together flows using wide range of nodes In the paletile.

Javascript functions can be created within the editor using a rich text editor.

A built on above allows you to save useful functions templates or flows for re-use.

Built on Nade. Is:

The eight weight suntime is built on node. It taking full advantages of its client event driven, non-blocking model. This makes its ideal to sun at the edge of the network on low-took hardware such as Paskevy pr as well as in the cloud.

Social Development:

The flows vieated In Node-Red are stored using Ison which can be early improved and exported for showing with others.

An enline flow library allows you to share you best flows with the world.

IBM CLOUDANT

IBM cloudant is a fully transged, distributed database optimized for heavily workloads and fact, growing web and mobile apps, IBM cloudant is available as an IBM cloud sorvice with a 99.994.94 Cloudant elastically scales through put and storage, and its API and replication protocols are compatible with Apache couch OB for hybrid or multicloud architecture.

Serverles web App and Apr :

It 'll oreate a serverless web application by hosting static website consent on buthub pages and implementing the application bank-end, using IBM cloud Applications trobile App with serverless.
Molfile App with serverless:

It is vient IBM cloud functions along with cognitive and data sovices to build a sovoiless back end for a mobile app.

Find Anomalies en Iot APP pata =

It sets up an Ioit devices and gather data in IBM watson Dot platform. It will create, versualization and use advanced to L services to analyze his torical data and detect anomalies.

Open Hybrid multicloud:

It shows how to take the API and powerful suplication protocol of cloudant with Apache.

Couch DB in a hybrid cloud envolunment.