

# Prerequisites IBM Cloud Services

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Smart solution for railways

The screenshot displays the IBM Cloud dashboard interface. At the top, the navigation bar includes the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user's account (JITHESH T's Account). The main content area is titled "Dashboard" and features a "For you" section with several service tiles. These tiles include "Build" (a large blue tile), "Set up your IBM Cloud account" (10 min), "Get Started with Watson Studio" (2 hr), "Build a web app with Watson Speech to Text" (15 min), "Build a virtual machine" (7 min), and "Use Cloudant" (2 min). Below the "For you" section, there are four more tiles: "News" (with links to IBM Storage price guarantee and tech news), "Recent support cases" (with a "View all" link), "Planned maintenance" (with a "View all" link), and "IBM Cloud status" (with a "View all" link and a world map visualization). The interface is clean and modern, with a dark header and a light main content area.

cloud.ibm.com

IBM Cloud Search resources and products...

Catalog Manage JITHESH T's Account

Dashboard Edit dashboard Upgrade account Create resource

For you Select an option

**Build**  
Explore IBM Cloud with this selection of easy starter tutorials and services.

**Set up your IBM Cloud account**  
Learn how to set up your IBM Cloud account, manage your account settings, organize resources, and control access to those resources.  
Getting started 10 min

**Get Started with Watson Studio**  
Get started with using AI and Cloud Object Storage in 15 minutes.  
Popular 2 hr

**Build a web app with Watson Speech to Text**  
Deploy a conversational interface compatible with any application, device, or channel.  
Getting started 15 min

**Build a virtual machine**  
Lift and shift your VMware workloads to the IBM Cloud.  
Getting started 7 min

**Use Cloudant**  
Cloudant is a managed NoSQL document database that offers serverless scaling of throughput, capacity, and storage.  
Recommended 2 min

**News** View all  
All About IBM Storage's Price and Supply Guarantee  
IBM Tech Now: November 7, 2022  
Unified Key Orchestrator Now Supports Easy Multicloud Key Management for Google KMS  
TrustRadius Best Software: Five IBM Offerings

**Recent support cases** View all

**Planned maintenance** View all

**IBM Cloud status** View all

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IBM Cloud

Search resources and products...

Catalog

Manage

Muhammed Sinan K S's...

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Dashboard

Edit dashboard

Upgrade account

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For you

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IBM Tech Now: November 7, 2022

Unified Key Orchestrator Now Supports Easy Multicloud Key Management for Google KMS

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Recent support cases

View all

Planned maintenance

View all

IBM Cloud status

View all

# 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 its API and replication protocols are compatible with Apache CouchDB for hybrid or multicloud 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.