

Prerequisites

IBM Cloud Services

Team ID	PNT2022TMID08129
Project Name	Project – Smart solution for railways
Maximum Marks	4 Marks

Smart solution for railways

Praveen S

The screenshot shows the IBM Cloud Dashboard for user Praveen S. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account. The main dashboard area is titled "Dashboard" and features a "For you" section with several recommended actions: "Build" (Explore IBM Cloud with this selection of easy starter tutorials and services), "Build a web app with Watson Speech to Text" (15 min), "Get Started with Watson Studio" (2 hr), "IBM Watson Internet of Things Platform" (2 min), "IBM Watson Knowledge Catalog" (2 min), and "Use Cloudant" (2 min). Below this, there are sections for "News" (IBM Cloud Satellite New Pricing, IBM Cloud Data Shield Deprecation, IBM Watson Orchestrate Is Integrating with ThisWay Global, SLSA Support in IBM Cloud Continuous Delivery), "Recent support cases", "Planned maintenance", and "IBM Cloud status".

Harish M

The screenshot shows the IBM Cloud Dashboard for user Harish M. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account. The main dashboard area is titled "Dashboard" and features a "For you" section with several recommended actions: "Build" (Explore IBM Cloud with this selection of easy starter tutorials and services), "Build a web app with Watson Speech to Text" (15 min), "Get Started with Watson Studio" (2 hr), "Build a Virtual Private Cloud (VPC)" (7 min), "Learn about IAM Roles" (5 min), and "Build a virtual machine" (7 min). Below this, there are sections for "News" (IBM Cloud Satellite New Pricing, IBM Cloud Data Shield Deprecation, IBM Watson Orchestrate Is Integrating with ThisWay Global, SLSA Support in IBM Cloud Continuous Delivery), "Recent support cases", "Planned maintenance", and "IBM Cloud status".

Madhavan M

cloud.ibm.com

IBM Cloud

Search resources and products...

Catalog

Manage

Madhavan m'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.

Build a web app with Watson Speech to Text

Deploy a conversational interface compatible with any application, device, or channel.

Getting started

15 min

Get Started with Watson Studio

Get started with using AI and Cloud Object Storage in 15 minutes.

Popular

2 hr

IBM Watson Internet of Things Platform

Communicate with connected devices, monitor and analyze data in real time, connect your own IoT apps and add Watson AI to the solution.

Recommended

2 min

Use Cloudant

Cloudant is a managed NoSQL document database that offers serverless scaling of throughput, capacity, and storage.

Recommended

2 min

IBM Watson Knowledge Catalog

Help your data citizens easily find, prepare, understand and use the data they need through an enterprise data catalog & governance platform.

Recommended

2 min

News

View all

IBM Named a Leader in Gartner Magic Quadrant for Full Life Cycle API Management

IBM to Introduce a New Incident Management SaaS Offering

IBM Cloud Satellite New Pricing

IBM Cloud Data Shield Deprecation

Recent support cases

View all

Planned maintenance

View all

IBM Cloud status

View all

Kuralarasan M

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IBM Cloud

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2 hr

IBM Watson Internet of Things Platform

Communicate with connected devices, monitor and analyze data in real time, connect your own IoT apps and add Watson AI to the solution.

Recommended

2 min

IBM Watson Knowledge Catalog

Help your data citizens easily find, prepare, understand and use the data they need through an enterprise data catalog & governance platform.

Recommended

2 min

Get started with Watson Discovery

Get up to speed on Watson Discovery with step-by-step tutorials, deep-dive videos, and complete examples of working code.

Recommended

2 hr

News

View all

IBM Named a Leader in Gartner Magic Quadrant for Full Life Cycle API Management

IBM to Introduce a New Incident Management SaaS Offering

IBM Cloud Satellite New Pricing

Recent support cases

View all

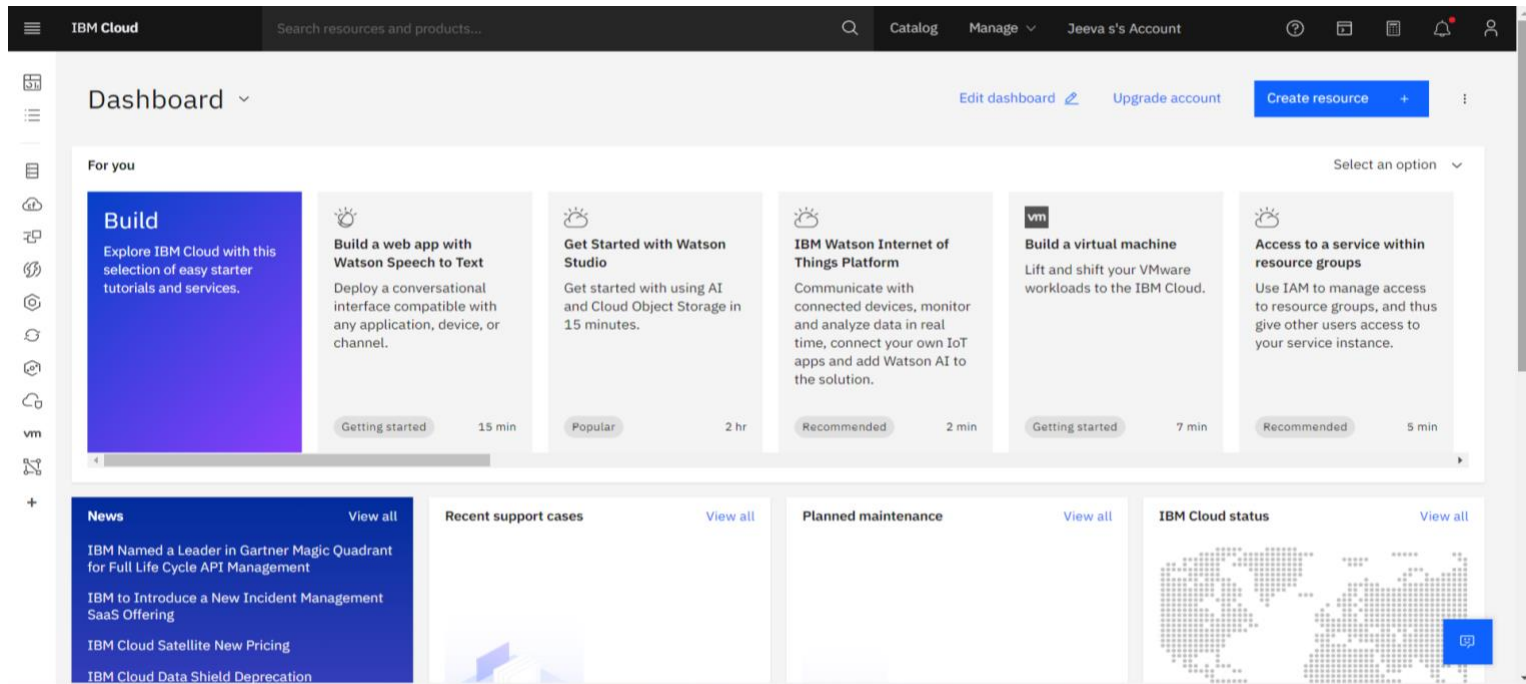
Planned maintenance

View all

IBM Cloud status

View all

Jeeva s



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, songs 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.