

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 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, 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 data.
- Object storage explicitly separates file metadata from data to support additional functionalities.

The screenshot displays the IBM Cloud Dashboard for user Kaviin JV's Account. The top navigation bar includes links for Catalog, Manage, and the account name. A search bar is positioned next to the account name. 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.
- 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)
- Build a virtual machine**: Lift and shift your VMware workloads to the IBM Cloud. (Getting started - 7 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 and deploy Node.js apps**: Go from zero to production in minutes with your Node.js applications, integrate with Watson and other services, scale your microservices. (Recommended - 15 min)
- Build a Virtual Private Cloud (VPC)**: Upgrade to a VPC to create your own protected space in the IBM Cloud. (Getting started - 7 min)

A sidebar menu on the left contains icons for various services like IAM, Kubernetes, OpenShift, etc. On the right, a user profile dropdown menu shows options like Profile, Log in to CLI and API, Privacy, Change theme, and Log out. Below the "For you" section, there are three more cards:

- News**: View all. Includes articles like "Unified Key Orchestrator Now Supports Easy Multicloud Key Management for Google KMS", "TrustRadius Best Software: Five IBM Offerings to Make the List", "Announcing IBM Cloud Pak for Network Automation Version 2.4", and "No Prerequisites for IBM Cloud Certifications".
- Recent support cases**: View all. Shows a card for "You can view a summary of your support cases here after you submit them. Learn more about how to get support."
- Planned maintenance**: View all. Shows a card for "Clear skies! You can view your scheduled maintenance events here."
- IBM Cloud status**: View all. Displays a world map indicating service status with a green dot and the text "No issues".

The bottom of the page has a footer with sections for Usage (View usage), User access (Manage users), and another User access link.