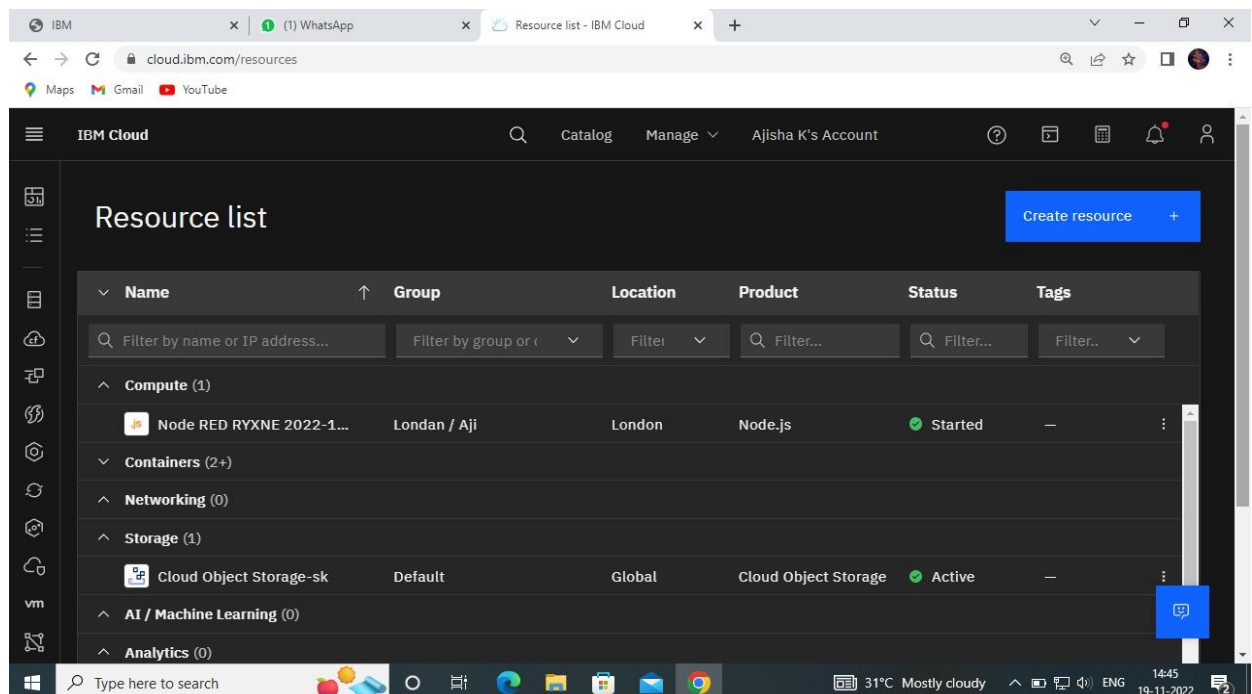
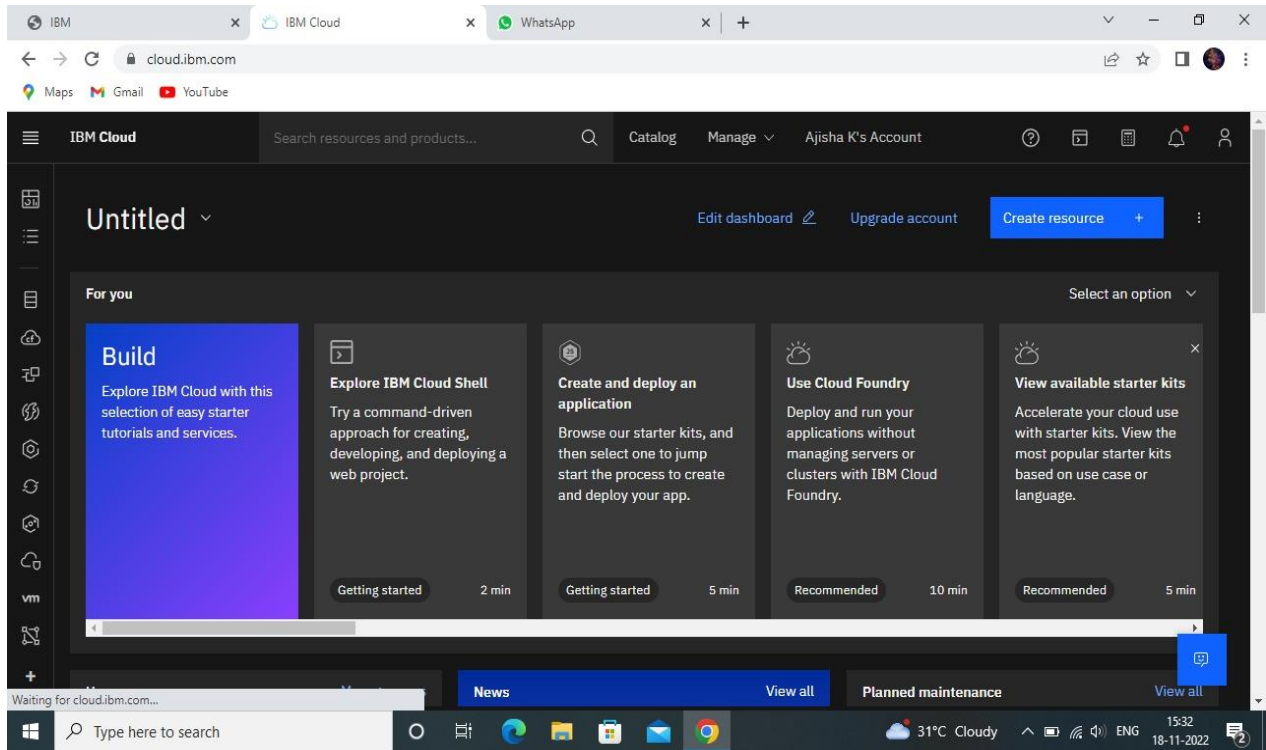
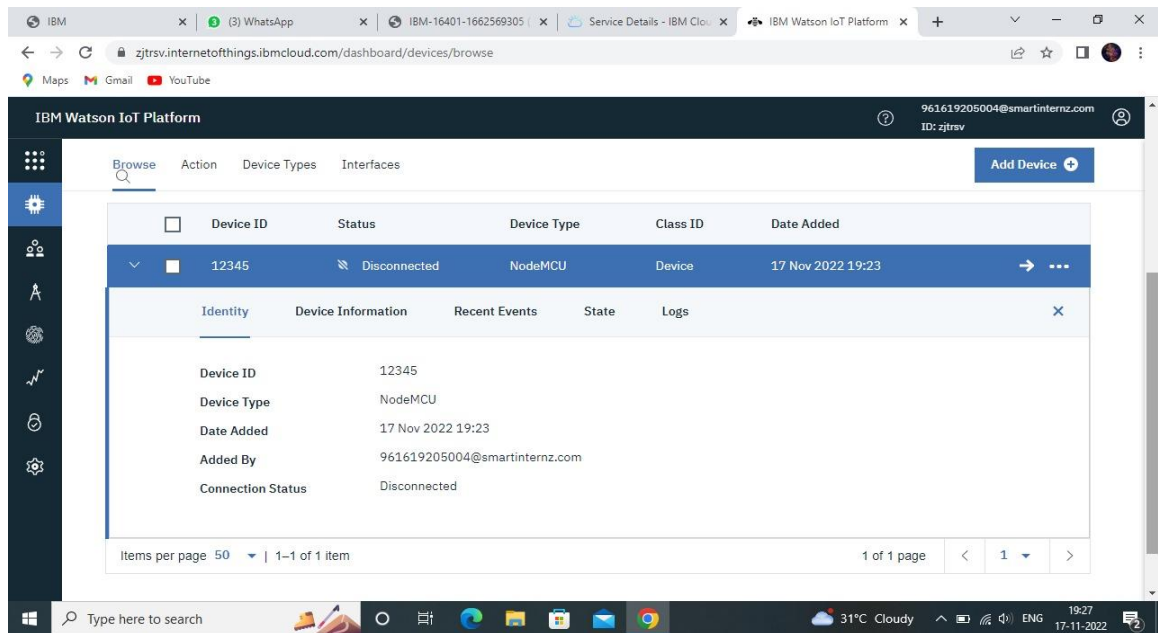


Prerequisites

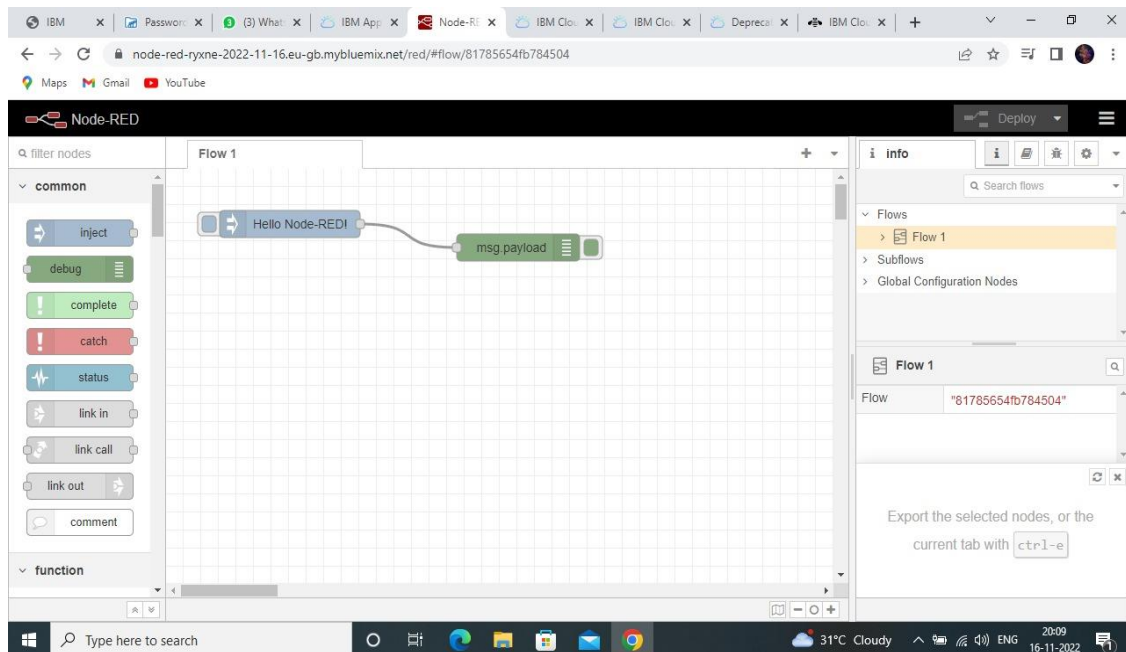
IBM Cloud Services



- **IBM Watson IoT Platform**



- **Node-RED Service**



• Cloudant DB

The screenshot shows the IBM Cloudant Python SDK introduction page. The browser address bar displays `cloud.ibm.com/apidocs/cloudant?code=python#introduction`. The page features a sidebar with navigation links: Overview, Introduction (selected), Endpoint URLs, Authentication, Auditing, Event tracking, Error handling, Additional headers, Rate limits, Related APIs, and Logging. The main content area is titled "Introduction" and includes the text: "IBM® Cloudant® for IBM Cloud® is a document-oriented database as a service (DBaaS). It stores data as documents in JSON format. It is built with scalability, high availability, and durability in mind. It comes with a wide variety of indexing options that include MapReduce, IBM Cloudant Query, full-text indexing, and geospatial indexing. The replication capabilities make it easy to keep data in sync between database clusters, desktop PCs, and mobile devices." Below this, it mentions that detailed documentation is available as a [Getting started tutorial](#), [API overview documentation, tutorials, and guides](#). A section titled "Endpoint URLs" states: "The IBM Cloudant API uses an instance-specific endpoint URL for all regions. You can find your external endpoint by following these steps:". On the right, there is a code editor with tabs for Curl, Java, Node, Python (selected), and Go. The Python tab shows the installation command `pip3 install ibmcloudant` and a GitHub link: <https://github.com/ibm/cloudant-python-sdk>. A feedback button is visible on the right side of the code editor.

• Object Storage

The screenshot shows the IBM Cloud Object Storage console. The browser address bar displays a long URL: `cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2F21145b1ec6a04253a013246dc3a2fedf...`. The console interface includes a sidebar with navigation links: Cloud Object Storage, Storage instances, Cloud Object Storage - sk, Buckets (selected), Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main content area shows the "sampleobjectstoragetest123" bucket. It has tabs for Objects, Configuration, and Permissions. The Objects tab is active, displaying a table with columns for Object name and Archived. Below the table, there is a section titled "If you're seeing more usage than expected, versions count towards your usage". A message box on the right states: "Files with duplicate personal information special characters: /". A notification banner at the top right says: "A bucket created successfully! sampleobjectstoragetest123 has been created and is now available to add objects." The bottom of the console shows a "Drag and drop files (objects) here or click to upload" area with "Upload files" and "Upload folders" buttons. The bottom status bar shows the system clock at 21:15 on 16-11-2022.