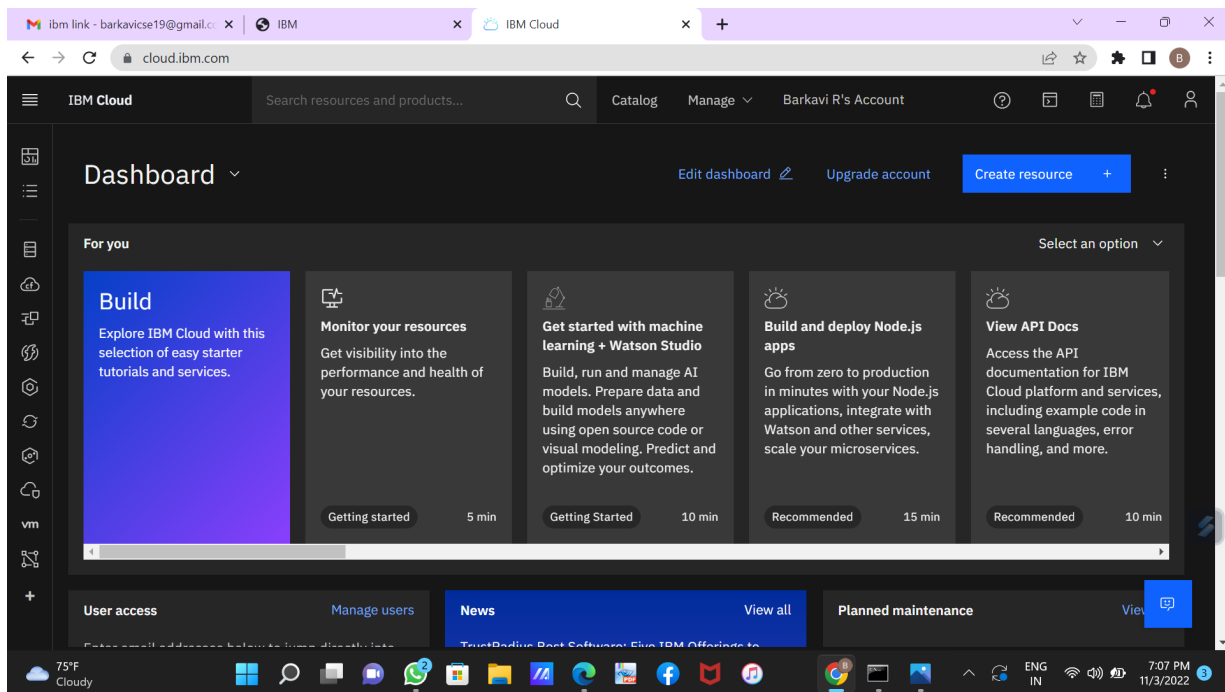


CREATE AND CONFIGURE IBM CLOUD SERVICES

CREATE A DATABASE IN CLOUDANT DB

Team ID	PNT2022TMID41335
Project Name	IoT based Safety Gadget for Child Safety, monitoring and notification

STEP 1:



STEP 2:

The screenshot shows the IBM Cloud 'Resource list' page. The browser tabs include 'ibm link - barkavice19@...', 'IBM', '(30) Cloudant DB - Datab...', 'IBM App Development', and 'Resource list - IBM Cloud'. The URL is 'cloud.ibm.com/resources'. The page header shows 'IBM Cloud', a search bar, and navigation links for 'Catalog', 'Manage', and 'Barkavi R's Account'. A 'Create resource' button is in the top right. The main content area is a table with columns: Name, Group, Location, Product, Status, and Tags. The table lists various resource categories like Compute, Containers, Networking, Storage, AI / Machine Learning, Analytics, Blockchain, Databases, and Developer tools. The 'Databases' category is expanded, showing a resource named 'node-red-jilof-2022--cloudant...' with status 'Active'.

Name	Group	Location	Product	Status	Tags
node-red-jilof-2022--cloudant...	Default	London	Cloudant	Active	-

STEP 3:

The screenshot shows the IBM Cloud 'Service Details' page for a Cloudant database. The browser tabs include 'ibm link - barkavice19@...', 'IBM', '(30) Cloudant DB - Datab...', 'IBM App Development', and 'Service Details - IBM Cloud'. The URL is 'cloud.ibm.com/services/cloudantnosqldb/crn%3Av1%3Abluemix%3Apublic%3Acloudantnosqldb%3Aeu-gb%3Aa%2F3693b60fd10425996c3331adb571242%3Ab8-76af-4fc5-bc91-2f7d81aebc33'. The page header shows 'IBM Cloud', a search bar, and navigation links for 'Catalog', 'Manage', and 'Barkavi R's Account'. The main content area shows the resource name 'node-red-jilof-2022--cloudant-1667483642429' with status 'Active'. The 'Overview' tab is selected, showing deployment details: CRN, Location (London), External endpoint, and External endpoint (preferred). The 'Authentication methods' section shows 'IBM Cloud IAM' and 'Cloudant credentials' with a 'Migrate to IAM Only' button.

Deployment details	
CRN	crn:v1:bluemix:public:cloudantnosqldb:eu-gb:a/3693b60fd10425996c3331adb571242:1568cfb8-76af-4fc5-bc91-2f7d81aebc33::
Location	London
External endpoint	https://0b8e79ae-1db2-4b3e-9f53-c9f538a55af1-bluemix.cloudant.com
External endpoint (preferred)	https://0b8e79ae-1db2-4b3e-9f53-c9f538a55af1-bluemix.cloudantnosqldb.appdomain.cloud
Authentication methods	IBM Cloud IAM Cloudant credentials Migrate to IAM Only

STEP 4:

The screenshot shows the IBM Cloudant Databases dashboard. The browser's address bar displays the URL: `0b8e79ae-1db2-4b3e-9f53-c9f538a55af1-bluemix.cloudant.com/dashboard.html`. The dashboard header includes a search bar labeled "Database name" and a "Create Database" button. Below the header, a table titled "Your Databases" is shown with columns: "Name", "Size", "# of Docs", "Partitioned", and "Actions". The table is currently empty. At the bottom of the dashboard, it says "Showing 1-0 of 0 databases." and "Databases per page 20". The Windows taskbar at the bottom shows the date and time as 10:41 AM on 11/4/2022.

STEP 5:

The screenshot shows the IBM Cloudant Databases dashboard with the "Create Database" modal open. The modal has a "Database name" field with the text "database-name" and a "Partitioning" section with two options: "Non-partitioned - recommended for most workloads" (selected) and "Partitioned". Below these options is a link that says "Which should I choose?". At the bottom of the modal are "Cancel" and "Create" buttons. The background dashboard is partially visible, showing the same empty table as in Step 4. The Windows taskbar at the bottom shows the date and time as 10:42 AM on 11/4/2022.

STEP 6:

The screenshot shows the IBM Cloudant Dashboard in a web browser. The browser's address bar displays the URL: `0b8e79ae-1db2-4b3e-9f53-c9f538a55af1-bluemix.cloudant.com/dashboard.html#database/sample/_all_docs`. The dashboard interface includes a left sidebar with navigation options: All Documents, Query, Permissions, Changes, and Design Documents. The main content area displays a large cloud icon and the text "No Documents Found". A "Create Document" button is visible in the top right corner. The bottom status bar shows the temperature as 77°F, weather as "Rain to stop", and the time as 10:43 AM on 11/4/2022.

STEP 7:

The screenshot shows the IBM Cloudant Dashboard in a web browser, specifically the "New Document" form. The browser's address bar displays the URL: `0b8e79ae-1db2-4b3e-9f53-c9f538a55af1-bluemix.cloudant.com/dashboard.html#database/sample/_new`. The dashboard interface includes a left sidebar with navigation options: All Documents, Query, Permissions, Changes, and Design Documents. The main content area displays a "New Document" form with a "Create Document" button and a "Cancel" button. The form contains a text input field with the value `"_id": "464f77938abf5bb42698f42534b1ada4"`. The bottom status bar shows the temperature as 77°F, weather as "Rain to stop", and the time as 10:43 AM on 11/4/2022.

STEP 8:

IBM Cloudant Dashboard - sample database

Document ID: [Dropdown]

Options: [Settings] [JSON] [Table]

Document saved successfully.

id	key	value
464f77938abf5bb42698f42534b...	464f77938abf5bb42698f42534b...	{"rev": "1-4dbd80ab6e655d7ba1..."}

Showing document 1 - 1. Documents per page: 20

STEP 9:

IBM Cloudant Dashboard - Databases

Database name: [Dropdown]

Create Database [Button]

Your Databases

Name	Size	# of Docs	Partitioned	Actions
sample	14 bytes	1	No	[Edit] [Lock] [Delete]

Showing 1-1 of 1 databases. Databases per page: 20

STEP 10:

The screenshot shows the IBM Cloudant API documentation page for the 'getalldbs' endpoint. The left sidebar lists the 'Cloudant' section with sub-items like Overview, Introduction, Endpoint URLs, Authentication, Auditing, Event tracking, Error handling, Additional headers, Rate limits, and Related APIs. The main content area is titled 'Query a list of all database names in the instance'. It includes an 'Authorization' section stating that the user must have IAM access roles including 'cloudantnosqldb.account-all-dbs.read'. An 'Auditing' section shows the event 'cloudantnosqldb.account-all-dbs.read'. A 'Request' section is partially visible. On the right, there is a code editor with tabs for 'Curl', 'Java', 'Node', 'Python', and 'Go'. The 'Curl' tab is active, showing the command 'GET /_all_dbs'. A 'Feedback' button is on the right side of the code editor. The bottom of the browser shows the Windows taskbar with various application icons and the system clock indicating 10:49 AM on 11/4/2022.

STEP 11:

The screenshot shows the IBM Cloud API documentation page for the 'Introduction' section. The left sidebar lists the 'Cloudant' section with sub-items like Overview, Introduction, 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 'Last updated: 2022-10-24'. It describes IBM Cloudant as a document-oriented database service (DBaaS) that stores data as documents in JSON format. It mentions scalability, high availability, and durability, and lists indexing options like MapReduce, IBM Cloudant Query, full-text indexing, and geospatial indexing. It also mentions replication capabilities. A link to 'Getting started tutorial' is provided. Below the introduction, there is a section for 'Endpoint URLs' which states that the IBM Cloudant API uses an instance-specific endpoint URL. On the right, there is a code editor with tabs for 'Curl', 'Java', 'Node', 'Python', and 'Go'. The 'Python' tab is active, showing the command 'pip3 install ibmcloudant'. A 'Feedback' button is on the right side of the code editor. The bottom of the browser shows the Windows taskbar with various application icons and the system clock indicating 10:52 AM on 11/4/2022.

RESULT:

Thus, a Database in Cloudant DB was created.

