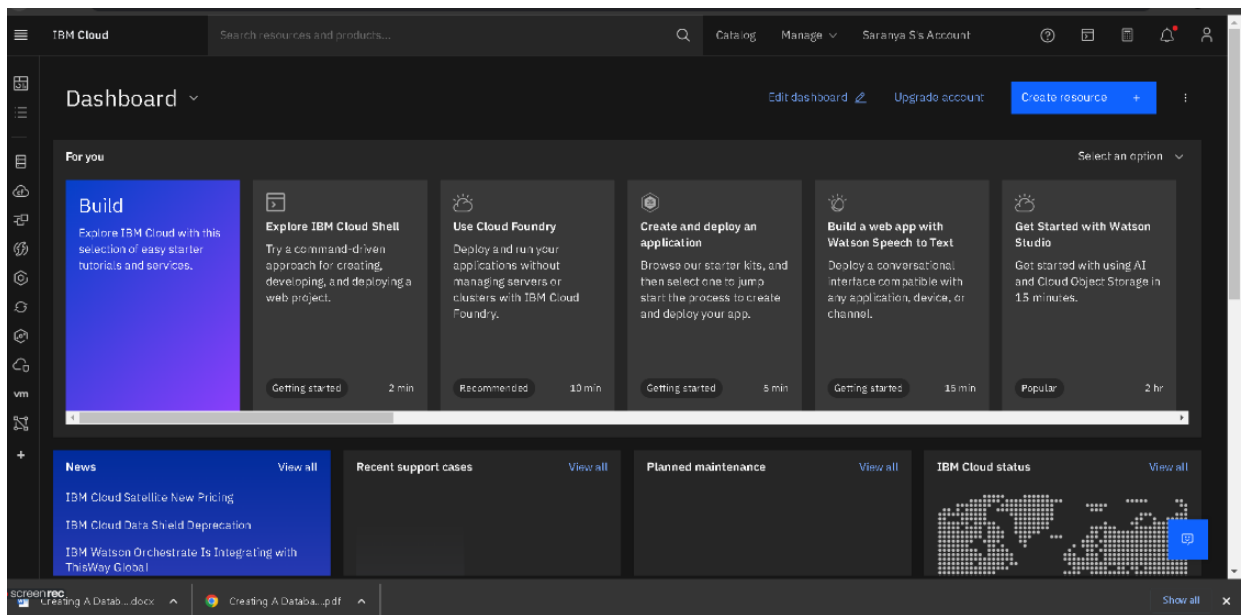


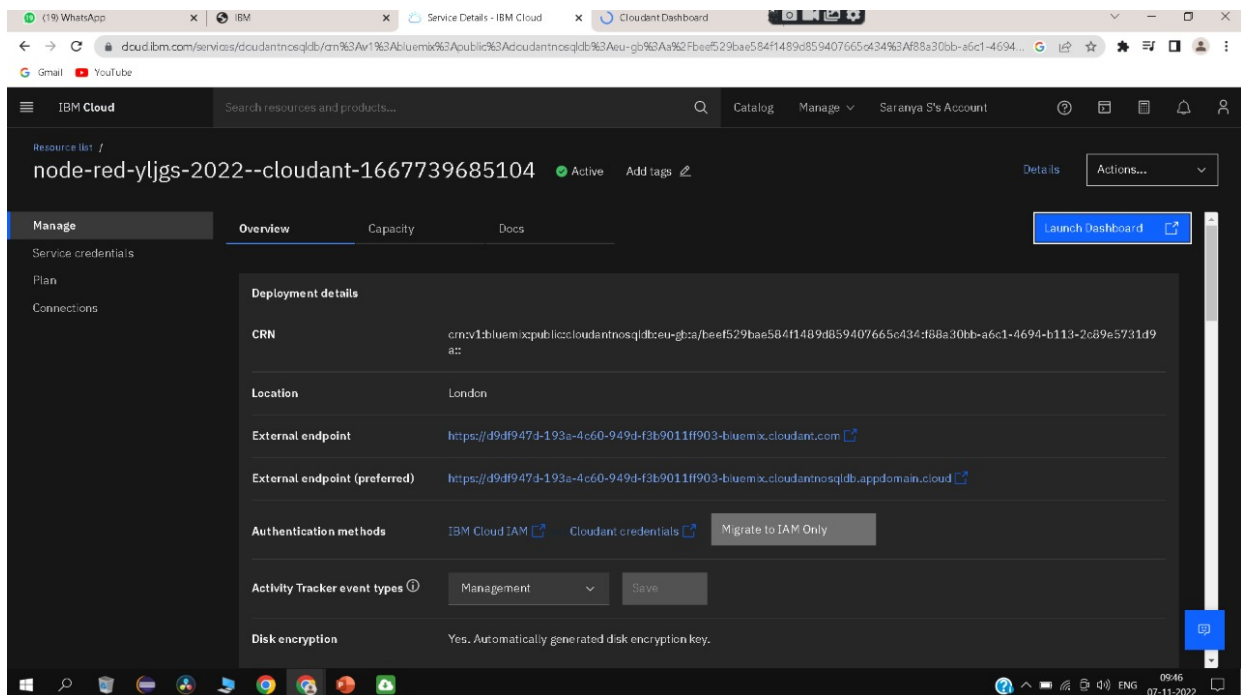
Team ID:PNT2022TMID32051

Create a database in cloudant DB

STEP 1:



STEP 2:



STEP 3:

The screenshot shows the IBM Cloudant Databases dashboard. The main area displays a table with columns: Name, Size, # of Docs, and Partitioned. The table is currently empty. On the right, the 'Create Database' modal is open, showing the 'Database name' field with the value 'bhava-1' and the 'Partitioning' section with the 'Non-partitioned - recommended for most workloads' option selected. The 'Create' button is visible at the bottom right of the modal.

Database name

Create Database

Database name

bhava-1

Partitioning

☒ Non-partitioned - recommended for most workloads

☐ Partitioned

> Which should I choose?

Cancel Create

Showing 1-0 of 0 databases

STEP 4:

The screenshot shows the IBM Cloudant Databases dashboard for a database named 'sample'. The left sidebar shows the 'All Documents' tab selected. The main area displays a table with columns: Id, key, and value. The table contains one document with the following data:

Id	key	value
b3f20a982e2fe5f42a084948d5c5f7c5	b3f20a982e2fe5f42a084948d5c5f7c5	{ "rev": "1-4dtd80ab6e655d7ba1af92bca85..." }

Document ID

Options

{ } JSON

Create Document

Table Metadata { } JSON

Id key value

b3f20a982e2fe5f42a084948d5c5f7c5 b3f20a982e2fe5f42a084948d5c5f7c5 { "rev": "1-4dtd80ab6e655d7ba1af92bca85..." }

Showing document 1 - 1. Documents per page: 20

STEP 5:

The screenshot shows the IBM Cloud API Docs for Cloudant. The left sidebar contains a navigation menu with sections like Overview, Introduction, Endpoint URLs, Authentication, Auditing, Event tracking, Error handling, Additional headers, Rate limits, Related APIs, Logging, Methods, Server, Databases, and Documents. The main content area is titled "Introduction" and "Endpoint URLs". The "Introduction" section states that IBM Cloudant is a document-oriented database as a service (DBaaS) and provides a link to the "Getting started tutorial". The "Endpoint URLs" section explains that the IBM Cloudant API uses an instance-specific endpoint URL and provides a list of steps to find the external endpoint.

Introduction
Last updated: 2022-10-24

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.

Detailed documentation is also available such as a [Getting started tutorial](#), [API overview documentation, tutorials and guides](#).

This documentation describes the Python SDK and examples. To see usage information and examples in your preferred SDK, select the language tab in the right pane.

Endpoint URLs

The IBM Cloudant API uses an instance-specific endpoint URL for all regions. You can find your external endpoint by following these steps:

1. Go to the IBM Cloud dashboard and open an instance.
2. Click the Service credentials tab.
3. Click the chevron next to the service credentials to open the credentials pane.
4. Copy the value from the `host` field and prefix it with the `https://` protocol. This value is the external endpoint.

STEP 6:

The screenshot shows the IBM Cloud API Docs for Cloudant, specifically the Authentication section. The left sidebar is the same as in Step 5. The main content area is titled "Authentication" and contains sub-sections for Security scheme, Authentication with external configuration, and Programmatic authentication. The "Authentication with external configuration" section is expanded, showing a list of authentication options. The "Programmatic authentication" section is also expanded, showing a list of authentication options. The right pane shows the Python SDK code for authentication.

Authentication

Security scheme

Authentication with external configuration

Programmatic authentication

SDK managing session cookie.

```
{service-name}_AUTH_TYPE=COUCHDB_SESSION
{service-name}_URL={url}
{service-name}_USERNAME={username}
{service-name}_PASSWORD={password}
```

from ibmcloudant.cloudant_v1 import CloudantV1

```
service = CloudantV1.new_instance(service_name="{service-name}")
```

Basic authentication.

```
{service-name}_AUTH_TYPE=BASIC
{service-name}_URL={url}
{service-name}_USERNAME={username}
{service-name}_PASSWORD={password}
```

from ibmcloudant.cloudant_v1 import CloudantV1

```
service = CloudantV1.new_instance(service_name="{service-name}")
```