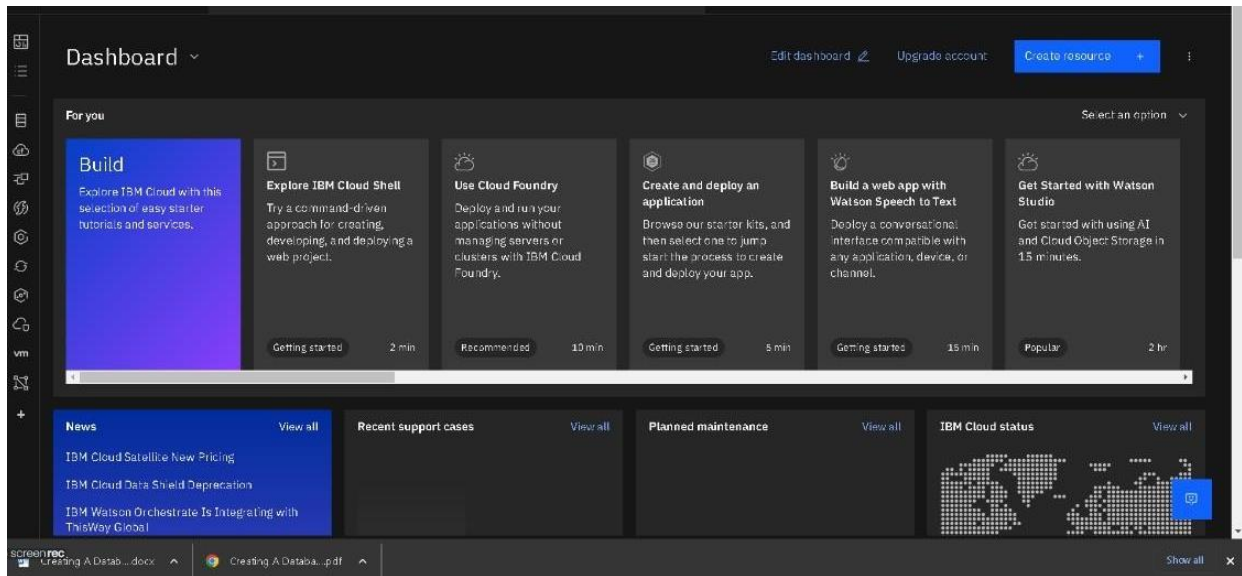


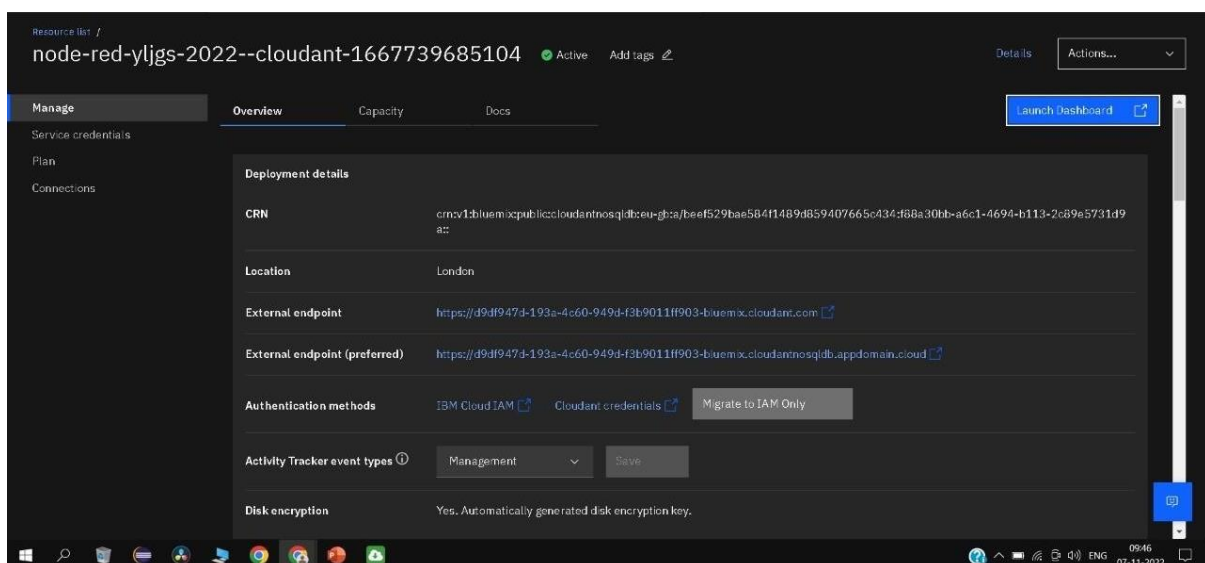
TEAM ID: PNT2022TMID24432

Create a database in cloudant DB

STEP 1:



STEP 2:



STEP 3:

The screenshot shows the IBM Cloudant Dashboard interface. The main area displays 'Your Databases' with a table that is currently empty. On the right, the 'Create Database' modal is open. It contains the following fields and options:

- Database name:** database 4
- Partitioning:** ☒ Non-partitioned - recommended for most workloads, ☐ Partitioned
- Which should I choose?** (A link to help documentation)
- Buttons:** Cancel, Create

The bottom status bar indicates 'Showing 1-0 of 0 databases'.

STEP 4:

The screenshot shows the IBM Cloudant Dashboard interface for a database named 'sample'. The left sidebar shows navigation options: All Documents, Query, Permissions, Changes, and Design Documents. The main area displays the 'Table' view of the database. A single document is shown with the following data:

id	key	value
b3f20a982e2fe5f42a084948d5c5f7c5	b3f20a982e2fe5f42a084948d5c5f7c5	{ "rev": "1-4dbd80ab6e655d7ba1a92bca85..." }

The bottom status bar indicates '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 explains that IBM Cloudant is a document-oriented database as a service (DBaaS) and provides links to a getting started tutorial, API overview, documentation, tutorials, and guides. The "Endpoint URLs" section provides a list of steps to find the external endpoint URL for a specific instance.

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 code examples for SDK, Basic, and Programmatic 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}")
```