

Create Cloudant DB

Date	26 October 2022
Team ID	PNT2022TMID18967
Project Name	Project - IOT based safety gadget for chilsafety monitoring and notification
Maximum Marks	4 Marks

The screenshot shows the IBM Cloud console's 'Resource list' page. The page has a dark header with the IBM Cloud logo, a search bar, and navigation links for 'Catalog', 'Manage', and the user's name 'Keerthanaa Arthanani's...'. A sidebar on the left contains icons for various services. The main content area displays a table of resources with columns: Name, Group, Location, Product, Status, and Tags. The table lists two Cloudant database resources. The first resource is 'node-red-evstj-2022-cloudant-1668262...' with status 'Active'. The second resource is 'node-red-evstj-2022-cloudant-1668262...' with status 'Provisioned'. A 'Create resource' button is in the top right corner.

Name	Group	Location	Product	Status	Tags
node-red-evstj-2022-cloudant-1668262...	Default	London	Cloudant	Active	-
node-red-evstj-2022-cloudant-1668262...	Keerthanaa / KEERTHANAA	London	Cloudant	Provisioned	-

The screenshot shows the 'Details' page for the resource 'node-red-evstj-2022-cloudant-1668262109190'. The page has a dark header with the IBM Cloud logo, a search bar, and navigation links for 'Catalog', 'Manage', and the user's name 'Keerthanaa Arthanani's...'. The sidebar on the left shows the 'Manage' section with links for 'Service credentials', 'Plan', and 'Connections'. The main content area has tabs for 'Overview', 'Capacity', and 'Docs'. The 'Overview' tab is selected, showing 'Deployment details' for the resource. The details include: CRN, Location (London), External endpoint, External endpoint (preferred), Authentication methods (IBM Cloud IAM and Cloudant credentials), Activity Tracker event types, and Disk encryption (Yes, Automatically generated disk encryption key). A 'Launch Dashboard' button is in the top right corner.

Property	Value
CRN	crn:v1:bluemix:public:cloudantnosqldb:eu-gb:a/58f1a779928d4374b8310efd2af52b95:ecbad7a6-bdab-4ff0-95a6-e001da73aaa9::
Location	London
External endpoint	https://4ddc0b23-1062-413e-a087-3c614ee4af4f-bluemix.cloudant.com
External endpoint (preferred)	https://4ddc0b23-1062-413e-a087-3c614ee4af4f-bluemix.cloudantnosqldb.appdomain.cloud
Authentication methods	IBM Cloud IAM and Cloudant credentials Migrate to IAM Only
Activity Tracker event types	
Disk encryption	Yes, Automatically generated disk encryption key.

←

→

Database name

Create Database

{ } JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions
noderedevstj2022	21.0 KB	3	No	<div><div></div><div></div><div></div></div>

Showing 1–1 of 1 databases. Databases per page 20 < 1 >

←

→

Database name

Create Database

{ } JSON

Your Databases

Name	Size	# of Docs	Partitioned
noderedevstj2022	21.0 KB	3	No

Showing 1–1 of 1 databa

Create Database

Database name

Database1

Partitioning

☒ Non-partitioned - recommended for most workloads

☐ Partitioned

> Which should I choose?

Cancel

Create

←

→

database

Document ID

Options

{ } JSON

All Documents

Query

Permissions

Changes

Design Documents

Database created successfully

No Documents Found

Showing 0 documents. Documents per page: 20 < >

database

Document ID

Options

{ } JSON

All Documents

Query

Permissions

Changes

Design Documents

Table

Metadata

{ } JSON

Create Document

	id	key	value
	278c55a2a7e263d7ee04739f8e333e7a	278c55a2a7e263d7ee04739f8e333e7a	{ "rev": "1-4dbd80ab6e655d7ba1af92bca8563..." }

Showing document 1 - 1. Documents per page: 20

IBM Cloud

Products

Solutions

Pricing

Docs

Support

Explore more

Console

Cloudant

Overview

Introduction

Endpoint URLs

Authentication

Auditing

Event tracking

Error handling

Additional headers

Rate limits

Related APIs

Methods

Server

Databases

Documents

Related Documents

IBM Cloud API Docs / Cloudant

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 SDKs 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.

Curl

Java

Node

Python

Go

Feedback

IBM Cloud

Products

Solutions

Pricing

Docs

Support

Explore more

Console

Cloudant

High availability and disaster recovery

Best practices for IBM Cloudant

Sample apps

Client libraries

Apache CouchDB

Other offerings

API & SDK reference docs

CLI

Terraform reference docs

Help

FAQs

Go to product UI

About this product

Expand all | Collapse all

retrieve older document content. For example, older content is retrieved when your application writes or updates a document that is followed immediately by a read of the same document.

In other words, your application would see the document content as it was before the write or update occurred. For more information about this model, see the topic on [Consistency](#).

Document fields

All documents must have two fields:

- A unique `_id` field. The `_id` field is detailed in the next section.
- A `_rev` field. The `_rev` field is a revision identifier, and is [essential to the IBM Cloudant replication protocol](#).

In addition to these two mandatory fields, documents can generally contain any other content that can be described by using JSON, subject to some caveats detailed in the following sections.

Document IDs

The format of a document ID differs depending on whether a database is partitioned or not. When a database is partitioned, the partition key for each document is defined as part of the document ID as detailed in the next section.

IDs in partitioned databases

When you use a partitioned database, the document ID specifies both the partition key and the document key. These keys are specified by splitting the document ID into two parts that are separated by a colon:

```
$PARTITION_KEY:$DOCUMENT_KEY
```

The `$PARTITION_KEY` might be the same between documents. The `$DOCUMENT_KEY` must be unique within each partition. That is, overall the `entire document ID must be unique within a database. A document ID with a colon in the name is not allowed.`

On this page

Document fields

Document IDs

Field name restrictions

Quorum - writing and reading data

Time to live

Feedback

Cookie Preferences