

Project Development Phase

Delivery of Sprint 3

Date	15 November 2022
Team ID	PNT2022TMID12738
Project Name	IOT based safety Gadget for child safety monitoring and notification
Maximum Marks	2

IBM cloudant configuration

The screenshot shows the IBM Cloud console interface for configuring a Cloudant database. The top navigation bar includes the IBM Cloud logo, a search bar, and user information. The main header displays the resource name 'node-red-ukcsw-2022--cloudant-1668321186742' with an 'Active' status and 'Add tags' option. A left sidebar contains navigation links: 'Manage' (selected), 'Service credentials', 'Plan', and 'Connections'. The 'Manage' section has tabs for 'Overview' (selected), 'Capacity', and 'Docs'. A 'Launch Dashboard' button is visible. The 'Overview' tab shows 'Deployment details' with the following fields: CRN (crm:v1:bluemix:public:cloudantnosqldb:eu-de:a/48813e1a33534a85b1b84d63923ec148:03cbbc77-cbb3-43a0-862f-726d6b4f1c44::), Location (Frankfurt), External endpoint (https://647a6623-a9ef-4c6c-a896-7e197a832b03-bluemix.cloudant.com), External endpoint (preferred) (https://647a6623-a9ef-4c6c-a896-7e197a832b03-bluemix.cloudantnosqldb.appdomain.cloud), Authentication methods (IBM Cloud IAM and Cloudant credentials), Activity Tracker event types (Management), and Disk encryption (Yes. Automatically generated disk encryption key.). A 'Migrate to IAM Only' button is present next to the authentication methods. A URL bar at the bottom shows the full endpoint URL.

IBM Cloud

Search resources and products...

node-red-ukcsw-2022--cloudant-1668321186742 Active Add tags

Details Actions...

Manage Overview Capacity Docs Launch Dashboard

Service credentials Plan Connections

Deployment details

CRN crm:v1:bluemix:public:cloudantnosqldb:eu-de:a/48813e1a33534a85b1b84d63923ec148:03cbbc77-cbb3-43a0-862f-726d6b4f1c44::

Location Frankfurt

External endpoint https://647a6623-a9ef-4c6c-a896-7e197a832b03-bluemix.cloudant.com

External endpoint (preferred) https://647a6623-a9ef-4c6c-a896-7e197a832b03-bluemix.cloudantnosqldb.appdomain.cloud

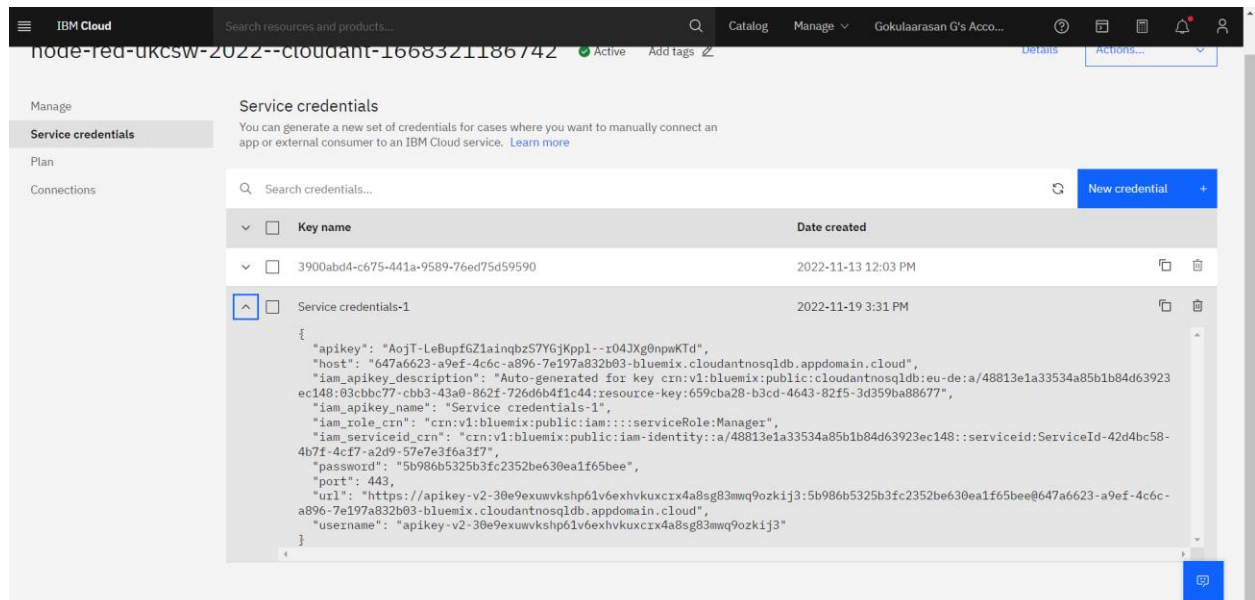
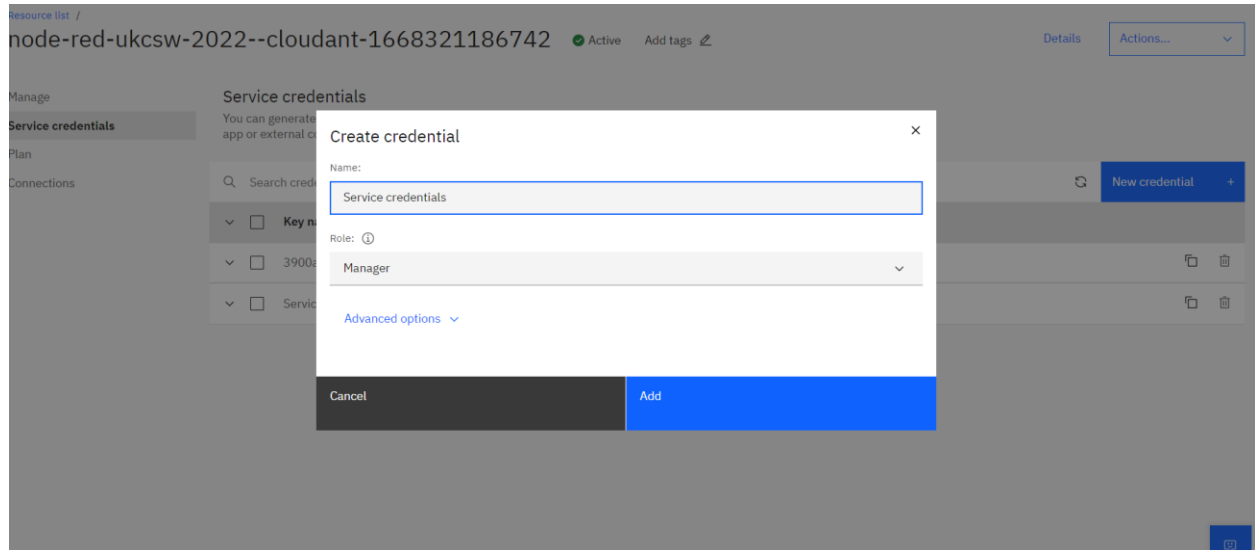
Authentication methods IBM Cloud IAM and Cloudant credentials Migrate to IAM Only

Activity Tracker event types Management Save

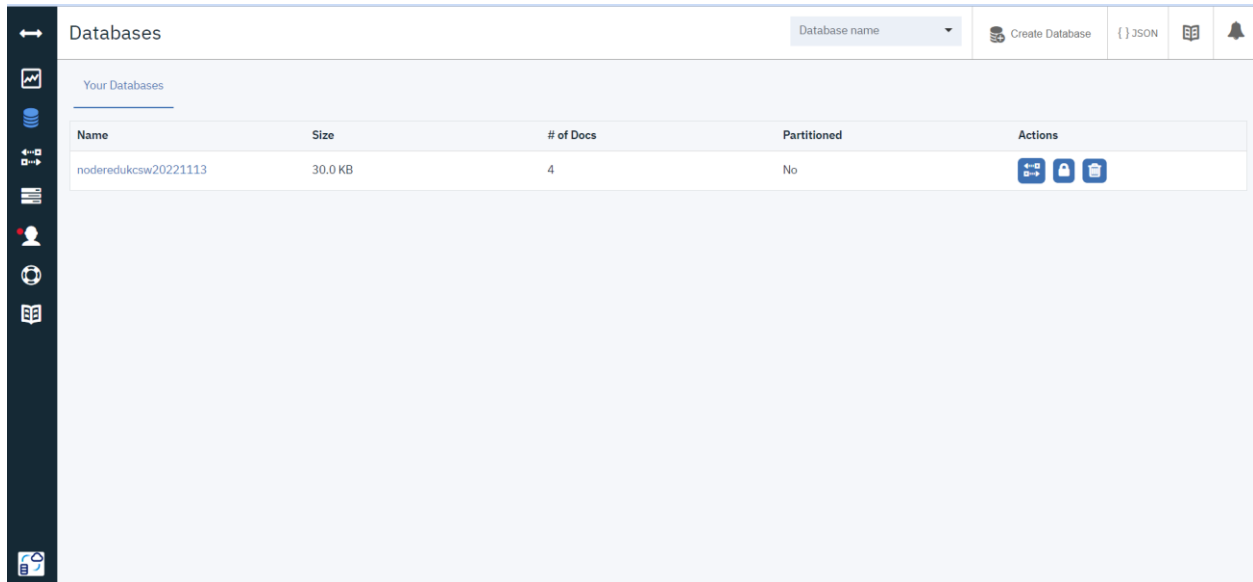
Disk encryption Yes. Automatically generated disk encryption key.

https://647a6623-a9ef-4c6c-a896-7e197a832b03-bluemix.cloudantnosqldb.appdomain.cloud

Getting service credentials for configuring the node of Cloudant out in Node Red

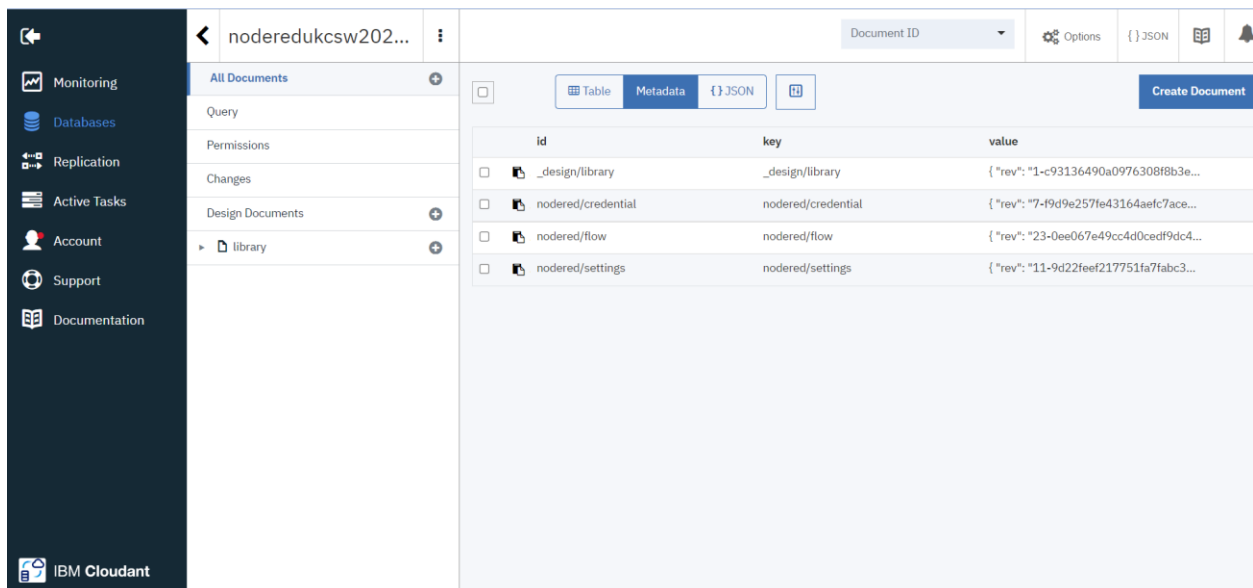


Database created for the service to store the latitude and longitude of the child's location



The screenshot shows the IBM Cloudant 'Databases' page. A sidebar on the left contains navigation icons. The main area has a 'Databases' header with a 'Database name' dropdown, a 'Create Database' button, and links for JSON, documentation, and notifications. Below this is a table titled 'Your Databases' with columns: Name, Size, # of Docs, Partitioned, and Actions. One database is listed: 'noderedukcsw20221113' with a size of 30.0 KB, 4 documents, and is not partitioned. The Actions column contains icons for edit, lock, and delete.

Name	Size	# of Docs	Partitioned	Actions
noderedukcsw20221113	30.0 KB	4	No	



The screenshot shows the document view for the 'noderedukcsw20221113' database. The left sidebar has a 'Monitoring' section and a 'Databases' section with a 'library' sub-item. The main area has a header with a back arrow, the database name, a 'Document ID' dropdown, 'Options', 'JSON', and notification icons. Below the header are tabs for 'Table', 'Metadata', 'JSON', and a 'Create Document' button. The 'Table' tab is active, showing a table with columns 'id', 'key', and 'value'. The table contains four rows of data.

id	key	value
<input type="checkbox"/> _design/library	_design/library	{ "rev": "1-c93136490a0976308f8b3e..." }
<input type="checkbox"/> nodered/credential	nodered/credential	{ "rev": "7-f9d9e257fe43164aefc7ace..." }
<input type="checkbox"/> nodered/flow	nodered/flow	{ "rev": "23-0ee067e49cc4d0cedf9dc4..." }
<input type="checkbox"/> nodered/settings	nodered/settings	{ "rev": "11-9d22feef217751fa7fab3..." }

[illegible]