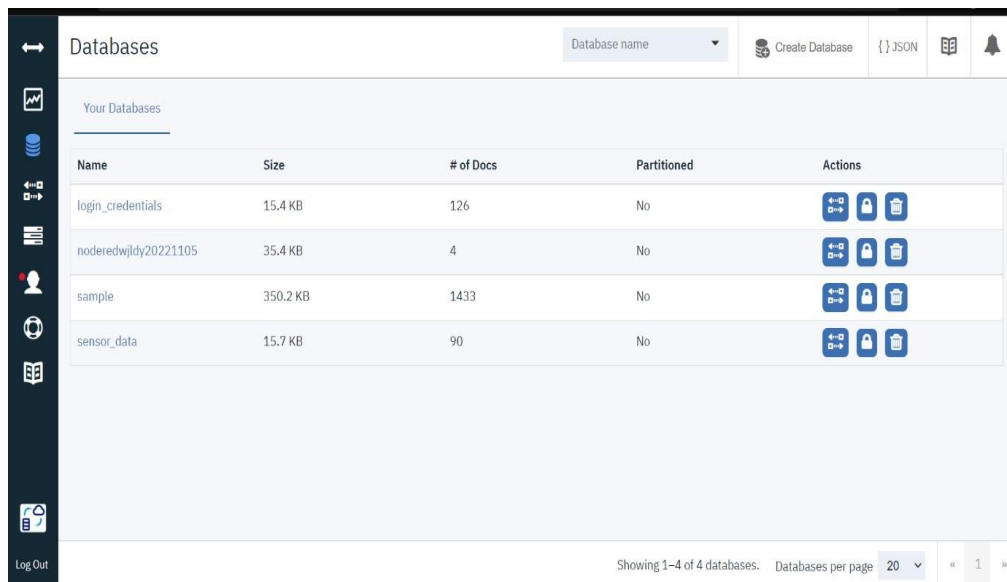


DATA TRANSFER FROM SENSOR TO IBM CLOUD

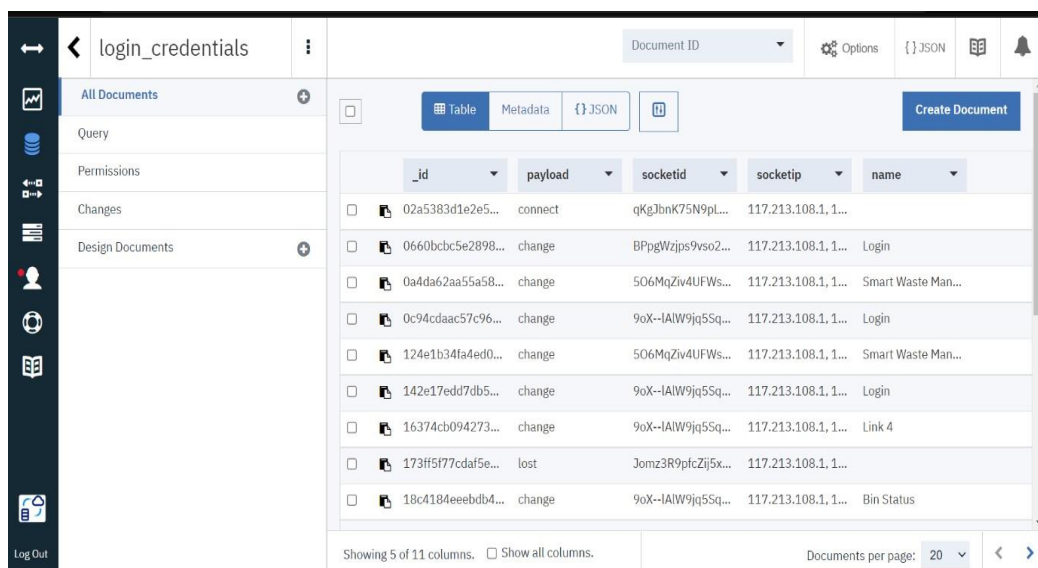
- IBM Cloud data Storage



The screenshot shows the IBM Cloud Databases management console. At the top, there's a 'Databases' header with a search bar and buttons for 'Create Database', 'JSON', and a notification bell. Below the header, a table lists the user's databases. The table has columns for Name, Size, # of Docs, Partitioned status, and Actions. Four databases are listed: login_credentials, noderedwjlidy20221105, sample, and sensor_data. Each database has a size, number of documents, and is currently unpartitioned. The Actions column contains icons for adding, deleting, and locking documents. At the bottom, it indicates 'Showing 1-4 of 4 databases' and 'Databases per page: 20'.

Name	Size	# of Docs	Partitioned	Actions
login_credentials	15.4 KB	126	No	[Add] [Delete] [Lock]
noderedwjlidy20221105	35.4 KB	4	No	[Add] [Delete] [Lock]
sample	350.2 KB	1433	No	[Add] [Delete] [Lock]
sensor_data	15.7 KB	90	No	[Add] [Delete] [Lock]

- User Login Data Storage



The screenshot shows the IBM Cloud Databases management console for the 'login_credentials' database. The left sidebar has a search bar and a list of actions: All Documents, Query, Permissions, Changes, and Design Documents. The main area shows a table of documents. At the top, there's a 'Document ID' search bar and buttons for 'Options', 'JSON', and a notification bell. Below the search bar, there are tabs for 'Table', 'Metadata', and 'JSON'. A 'Create Document' button is on the right. The table has columns for _id, payload, socketid, socketip, and name. It lists 10 documents with their IDs, payloads, socket IDs, socket IPs, and names. At the bottom, it indicates 'Showing 5 of 11 columns' and 'Documents per page: 20'.

_id	payload	socketid	socketip	name
02a5383d1e2e5...	connect	qKgJbnK75N9pL...	117.213.108.1, 1...	
0660bcb5e2898...	change	BPpgWzjps9vso2...	117.213.108.1, 1...	Login
0a4da62aa55a58...	change	506MqZiv4UFWs...	117.213.108.1, 1...	Smart Waste Man...
0c94cdaac57c96...	change	9oX--IAIW9jq5Sq...	117.213.108.1, 1...	Login
124e1b34fa4ed0...	change	506MqZiv4UFWs...	117.213.108.1, 1...	Smart Waste Man...
142e17edd7db5...	change	9oX--IAIW9jq5Sq...	117.213.108.1, 1...	Login
16374cb094273...	change	9oX--IAIW9jq5Sq...	117.213.108.1, 1...	Link 4
173ff5f77cdf5e...	lost	Jomz3R9pfcZij5x...	117.213.108.1, 1...	
18c4184eeebdb4...	change	9oX--IAIW9jq5Sq...	117.213.108.1, 1...	Bin Status

- JSON Format of Data Storage

The screenshot shows a web interface for editing a JSON document. The document is titled 'login_credentials' and has a unique ID '02a5383d1e2e59775c7d5e9c161efb35'. The JSON content is as follows:

```
1 {
2   "_id": "02a5383d1e2e59775c7d5e9c161efb35",
3   "_rev": "1-264a1ceb8597d288f7f3258f81c1823f",
4   "payload": "connect",
5   "socketid": "qkg3bnk75N9pL6yaaA89",
6   "socketip": "117.213.108.1, 10.195.14.12"
7 }
```

The interface includes a 'Save Changes' button, an 'Upload Attachment' button, a 'Clone Document' button, and a 'Delete' button. A sidebar on the left contains various icons for navigation. The bottom status bar shows 'Log Out' and the URL 'cloudant.com/dashboard.html'.

- Data transmission of sensor from bin

The screenshot displays a document list for 'sensor_data'. The interface includes a sidebar with navigation options like 'All Documents', 'Query', 'Permissions', 'Changes', and 'Design Documents'. The main area shows a table of documents with columns for '_id', 'deviceId', 'deviceType', 'eventType', and 'format'. A 'Create Document' button is visible in the top right. The bottom status bar indicates 'Showing 5 of 8 columns' and 'Showing document 1 - 20'.

	_id	deviceId	deviceType	eventType	format
<input type="checkbox"/>	0198213c192cb...	ibmpproject	SWMSMC	data	json
<input type="checkbox"/>	0198213c192cb...	ibmpproject	SWMSMC	data	json
<input type="checkbox"/>	0198213c192cb...	ibmpproject	SWMSMC	data	json
<input type="checkbox"/>	0198213c192cb...	ibmpproject	SWMSMC	data	json
<input type="checkbox"/>	1a921f21cbe229...	ibmpproject	SWMSMC	data	json
<input type="checkbox"/>	1a921f21cbe229...	ibmpproject	SWMSMC	data	json
<input type="checkbox"/>	20a854e5445fa8...	ibmpproject	SWMSMC	data	json
<input type="checkbox"/>	20a854e5445fa8...	ibmpproject	SWMSMC	data	json
<input type="checkbox"/>	20a854e5445fa8...	ibmpproject	SWMSMC	data	json

- JSON Format of Data Storage

The screenshot shows a web interface for managing JSON documents. The document is titled "sensor_data" and has a unique ID "0198213c192cb2c244cc2433f1802b91". The document content is a JSON object with the following structure:

```
1 {
2   "_id": "0198213c192cb2c244cc2433f1802b91",
3   "_rev": "1-cde2dd17c519394dfeb774730c495f8b",
4   "topic": "iot-2/type/SWMSMC/id/ibmproject/evt/data/fmt/json",
5   "payload": {
6     "Warning!!": "244.97left"
7   },
8   "deviceId": "ibmproject",
9   "deviceType": "SWMSMC",
10  "eventType": "data",
11  "format": "json"
12 }
```

The interface includes a sidebar with various icons, a top bar with "Save Changes", "Cancel", "Upload Attachment", "Clone Document", and "Delete" buttons, and a "Log Out" button at the bottom left.

The screenshot shows a web interface for managing JSON documents. The document is titled "sensor_data" and has a unique ID "20a854e5445fa818e6c1de0493390d28". The document content is a JSON object with the following structure:

```
1 {
2   "_id": "20a854e5445fa818e6c1de0493390d28",
3   "_rev": "1-3ad288ecad57f039e086909b7e08c723",
4   "topic": "iot-2/type/SWMSMC/id/ibmproject/evt/data/fmt/json",
5   "payload": {
6     "High Alert!!": "1.99left"
7   },
8   "deviceId": "ibmproject",
9   "deviceType": "SWMSMC",
10  "eventType": "data",
11  "format": "json"
12 }
```

The interface includes a sidebar with various icons, a top bar with "Save Changes", "Cancel", "Upload Attachment", "Clone Document", and "Delete" buttons, and a "Log Out" button at the bottom left.