

# PUBLISH DATA TO THE IBM CLOUD

TEAM - ID	PNT2022TMID21316
PROJECT NAME	Real-Time River Water Quality Monitoring and Control System

## Team Members:

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The screenshot shows the IBM Cloud console interface. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account (Gokul Ananth M's Acco...). The main content area is titled 'Water Quality Management' and is marked as 'Active'. On the left, a sidebar lists 'Manage', 'Service credentials', 'Plan', and 'Connections'. The 'Service credentials' section is selected, displaying a table of credentials. One credential, 'Service credentials-1', is listed with a creation date of '2022-11-18 2:51 PM'. Below the table, the JSON details for this credential are shown, including fields for 'apikey', 'host', 'iam\_apikey\_description', 'iam\_apikey\_name', 'iam\_role\_crn', 'iam\_serviceid\_crn', 'password', 'port', 'url', and 'username'. The bottom of the screen shows a Windows taskbar with various application icons and a system tray indicating a temperature of 30°C and the time 02:51 PM on 18-11-2022.

```
{
  "apikey": "yxgcFxTps3ZLiT5V8vzxljjYkHdxSbmFqPCL3Vwvd-Z8",
  "host": "7d78cec9-24d1-4a37-836f-19711eee3d71-bluemix.cloudantnosqldb.appdomain.cloud",
  "iam_apikey_description": "Auto-generated for key crn:v1:bluemix:public:cloudantnosqldb:eu-gb:a/88bed29ce4b346278e45a7b3646cd54:3da5a073-4274-43df-9737-d89b941c21ae:resource-key:66253aad-6106-437d-9f88-d32dfe4530f2",
  "iam_apikey_name": "Service credentials-1",
  "iam_role_crn": "crn:v1:bluemix:public:iam:::serviceRole:Manager",
  "iam_serviceid_crn": "crn:v1:bluemix:public:iam-identity:a/88bed29ce4b346278e45a7b36464cd54::serviceid:ServiceId-eba1f01a-d480-43f6-af10-11f1156dfe3f",
  "password": "e2b85f8cd868caa1ac24642c3813d0f4",
  "port": 443,
  "url": "https://apikey-v2-12zp69sgbnk1olp2sw2n1n4sjeoq651lh2ghmy539so3:e2b85f8cd868caa1ac24642c3813d0f4/7d78cec9-24d1-4a37-836f-19711eee3d71-bluemix.cloudantnosqldb.appdomain.cloud",
  "username": "apikey-v2-12zp69sgbnk1olp2sw2n1n4sjeoq651lh2ghmy539so3"
}
```

Meet - mon-wcky-pfo x Service Details - IBM Cloud x Cloudant Dashboard x +




7d78cec9-24d1-4a37-836f-19711eee3d71-bluemix.cloudant.com/dashboard.html#/all\_dbs

## Databases

Database name

Create Database {} JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions
water-quality-monitor	336 bytes	16	No	  

Showing 1-1 of 1 databases. Databases per page: 20 1

Log Out

30°C AQI 43

Meet - mon-wcky-pfo x Service Details - IBM Cloud x Cloudant Dashboard - database: x +

7d78cec9-24d1-4a37-836f-19711eee3d71-bluemix.cloudant.com/dashboard.html#database/water-quality-monitor/\_all\_docs

## water-quality-mon...

Document ID

Options {} JSON

Create Document

All Documents +














Query

Permissions

Changes

Design Documents +

Log Out

id	key	value
 27d1a219c373f60ff6ad9122c48a6ab9	27d1a219c373f60ff6ad9122c48a6ab9	{"rev": "1-94f5b419a4468eb46c6744b29f9c..."}
 2b8872f27e6d2462a443f5834a550304	2b8872f27e6d2462a443f5834a550304	{"rev": "1-94f5b419a4468eb46c6744b29f9c..."}
 32b9c537f4b356589e7d0fcd12c675bf	32b9c537f4b356589e7d0fcd12c675bf	{"rev": "1-94f5b419a4468eb46c6744b29f9c..."}
 347eb90f9808dce86b2160483c5532ad	347eb90f9808dce86b2160483c5532ad	{"rev": "1-94f5b419a4468eb46c6744b29f9c..."}
 5114787fc5d23ace7b90fc42e986d56	5114787fc5d23ace7b90fc42e986d56	{"rev": "1-94f5b419a4468eb46c6744b29f9c..."}
 5114787fc5d23ace7b90fc42e988427	5114787fc5d23ace7b90fc42e988427	{"rev": "1-94f5b419a4468eb46c6744b29f9c..."}
 5114787fc5d23ace7b90fc42e988d1d	5114787fc5d23ace7b90fc42e988d1d	{"rev": "1-94f5b419a4468eb46c6744b29f9c..."}
 5f61fc2b0088a7230628ade7cf781a93	5f61fc2b0088a7230628ade7cf781a93	{"rev": "1-94f5b419a4468eb46c6744b29f9c..."}
 5f61fc2b0088a7230628ade7cf8de77b	5f61fc2b0088a7230628ade7cf8de77b	{"rev": "1-94f5b419a4468eb46c6744b29f9c..."}
 8f4582da8c6088c3c65ecb1e071350e9	8f4582da8c6088c3c65ecb1e071350e9	{"rev": "1-94f5b419a4468eb46c6744b29f9c..."}
 d4a14cfc745ebec8d1e6513170a93ace	d4a14cfc745ebec8d1e6513170a93ace	{"rev": "1-94f5b419a4468eb46c6744b29f9c..."}
 d4a14cfc745ebec8d1e6513170a9410e	d4a14cfc745ebec8d1e6513170a9410e	{"rev": "1-94f5b419a4468eb46c6744b29f9c..."}
 e4dcb5223cbf673a169d96ee4a96dcda	e4dcb5223cbf673a169d96ee4a96dcda	{"rev": "1-94f5b419a4468eb46c6744b29f9c..."}

Showing document 1 - 16. Documents per page: 20

Log Out

30°C AQI 43

Meet - mon-wicky-pfo x Service Details - IBM Cloud x Cloudant Dashboard - database x +

7d78cec9-24d1-4a37-836f-19711eee3d71-bluemix.cloudant.com/dashboard.html#database/water-quality-monitor/27d1a219c373f60ff6ad9122c48a6ab9

water-quality-monitor > 27d1a219c373f60ff6ad9122c48a6ab9 [JSON] [Bookmarks] [Notifications]

Save Changes Cancel Upload Attachment Clone Document Delete

```
1
2 {"_id": "27d1a219c373f60ff6ad9122c48a6ab9",
3  "_rev": "2-dd1c0e361f6da1757271f471038081a4",
4  "Turbidity": "474",
5  "Temperature": "81"
6 }
```

Log Out

meet.google.com is sharing your screen. Stop sharing Hide

30°C Haze 03:02 PM 18-11-2022

Cloudant Dashboard - database x +

7d78cec9-24d1-4a37-836f-19711eee3d71-bluemix.cloudant.com/dashboard.html#database/water-quality-monitor/511478f7fc5d23ace7b90fc42e988d1d

water-quality-monitor > 511478f7fc5d23ace7b90fc42e988d1d [JSON] [Bookmarks] [Notifications]

Save Changes Cancel Upload Attachment Clone Document Delete

```
1
2 {"_id": "511478f7fc5d23ace7b90fc42e988d1d",
3  "_rev": "2-34c51f6e273b01642282b4b09bc3e1fc",
4  "Turbidity": "480",
5  "Temperature": "93"
6 }
```

Log Out

30°C Haze 03:12 PM 18-11-2022