

PROJECT DEVELOPMENT PHASE

SPRINT DELIVERY 2

Team ID	PNT2022TMID32772
Project Name	Project – PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF-RELIANT

CREATE DB IN CLOUDANT DB:

The screenshot shows the IBM Cloud console interface. The browser address bar displays 'cloud.ibm.com/resources'. The page title is 'Resource list'. A sidebar on the left contains navigation icons for various services. The main content area shows a table of resources with columns: Name, Group, Location, Product, Status, and Tags. Under the 'Databases' category, there is one resource named 'Cloudant-oy' with a status of 'Active'. A 'Create resource' button is visible in the top right corner of the resource list.

Name	Group	Location	Product	Status	Tags
Cloudant-oy	Default	Sydney	Cloudant	Active	—

IBM Cloud

Search resources and products...

Cloudant-oy Active [Add tags](#)

Details [Actions...](#)

Manage Overview Capacity Docs [Launch Dashboard](#)

Service credentials
Plan
Connections

Deployment details

CRN crm:v1:bluemix:public:cloudantnosqldb:au-syd:a/f9cdc07dd1a1409190303c914d14a963:49db3b39-6d81-4dca-94b7-27298aa8e5b5::

Location Sydney

External endpoint <https://6d9327f6-56f0-4b73-af56-f5fc11628a23-bluemix.cloudant.com>

External endpoint (preferred) <https://6d9327f6-56f0-4b73-af56-f5fc11628a23-bluemix.cloudantnosqldb.appdomain.cloud>

Authentication methods [IBM Cloud IAM](#)

Databases

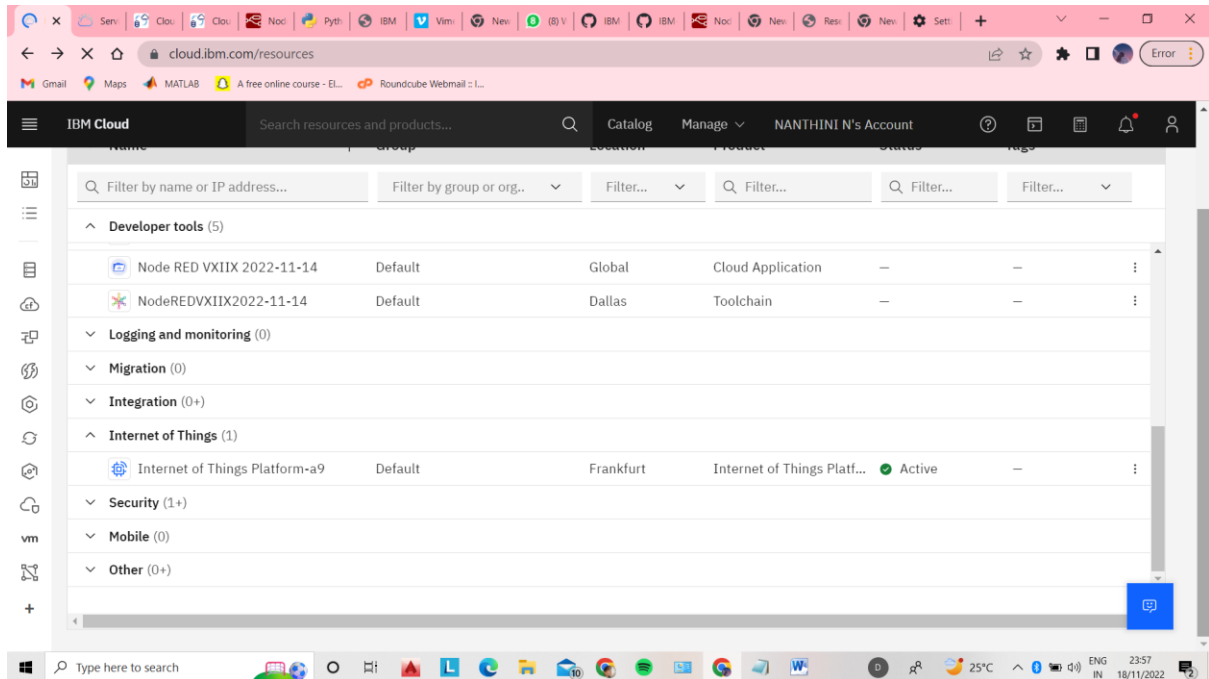
Database name [Create Database](#) [JSON](#) [Settings](#) [Alerts](#)

[Your Databases](#)

Name	Size	# of Docs	Partitioned	Actions
medrem	0 bytes	0	No	Refresh Lock Delete

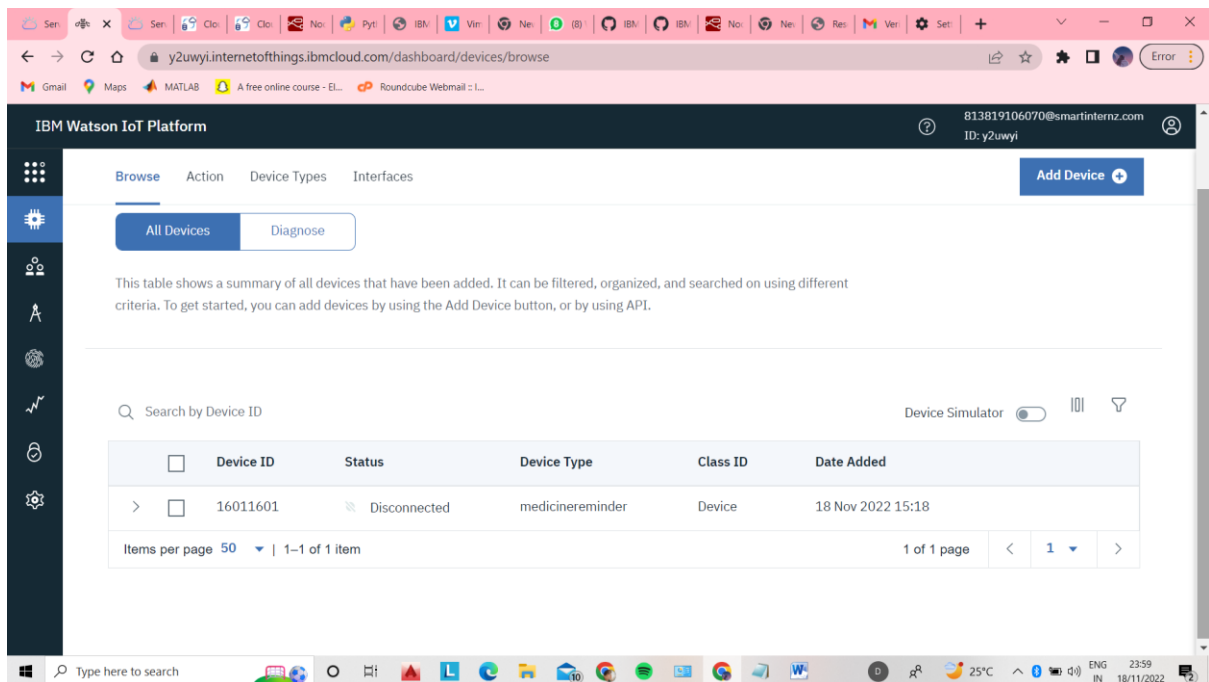
Showing 1-1 of 1 databases. Databases per page 20 [1](#)

CREATE IBM WATSON IOT PLATFORM AND DEVICE:



The screenshot shows the IBM Cloud resources page. The browser address bar displays `cloud.ibm.com/resources`. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user account (NANTHINI N's Account). The main content area is a list of resources, categorized by groups like Developer tools, Logging and monitoring, Migration, Integration, Internet of Things, Security, Mobile, and Other. The 'Internet of Things' group is expanded, showing a single resource: 'Internet of Things Platform-a9'. This resource is located in Frankfurt, is part of the 'Internet of Things Platf...' service, and is currently 'Active'.

Name	Group	Location	Product	Status
Developer tools (5)				
Node RED VXIIIX 2022-11-14	Default	Global	Cloud Application	—
NodeREDVXIIX2022-11-14	Default	Dallas	Toolchain	—
Logging and monitoring (0)				
Migration (0)				
Integration (0+)				
Internet of Things (1)				
Internet of Things Platform-a9	Default	Frankfurt	Internet of Things Platf...	Active
Security (1+)				
Mobile (0)				
Other (0+)				



The screenshot shows the IBM Watson IoT Platform dashboard. The browser address bar displays `y2uwyi.internetofthings.ibmcloud.com/dashboard/devices/browse`. The page header includes the IBM Watson IoT Platform logo, a user profile icon, and the user ID (813819106070@smartinternz.com). The main content area is titled 'Browse' and includes tabs for 'All Devices' and 'Diagnose'. A table shows a summary of all devices that have been added. The table has columns for Device ID, Status, Device Type, Class ID, and Date Added. A single device is listed: '16011601', which is 'Disconnected', of type 'medicinereminder', with Class ID 'Device', and was added on '18 Nov 2022 15:18'. The page also includes a search bar, a 'Device Simulator' toggle, and pagination controls.

Search by Device ID

Device Simulator ☐

Device ID	Status	Device Type	Class ID	Date Added
16011601	Disconnected	medicinereminder	Device	18 Nov 2022 15:18

Items per page 50 | 1-1 of 1 item

1 of 1 page

CREATION OF NODE RED SERVICES:

The screenshot shows the IBM Cloud console interface. At the top, there's a search bar and navigation links. The main section is titled "Resource list" and contains a table of resources. The table has columns for Name, Group, Location, Product, Status, and Tags. The resources listed are under the "Developer tools" group, including Node RED DIRGD, Node RED GACWN, Node RED VXIIX, and NodeREDVXIIX. The status of all resources is "Active".

Name	Group	Location	Product	Status	Tags
Node RED DIRGD 2022-11-13	Default	Global	Cloud Application	Active	
Node RED GACWN 2022-11-08	Default	Global	Cloud Application	Active	
Node RED VXIIX 2022-11-14	Default	Global	Cloud Application	Active	
NodeREDVXIIX2022-11-14	Default	Dallas	Toolchain	Active	

INSTALLATION OF IBM WATSON VERSION:

```
Microsoft Windows [Version 10.0.19044.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\NANTHINI>pip install --upgrade "ibm-watson>=6.1.0"
Collecting ibm-watson>=6.1.0
  Downloading https://files.pythonhosted.org/packages/48/33/41aead36b20998c3e174204112f897797bcf77fe89bb3bbd5fe20ad5db294/ibm-watson-6.1.0.tar.gz (373kB)
    100% |#####| 378kB 336kB/s
Installing build dependencies ... done
Getting requirements to build wheel ... done
Preparing wheel metadata ... done
Collecting websocket-client==1.1.0 (from ibm-watson>=6.1.0)
  Downloading https://files.pythonhosted.org/packages/ca/5f/3c211d168b2e9f9342cfb53bcfc26aabeac63b998015e7af7bcae66119d/websocket_client-1.1.0-py2.py3-none-any.whl (68kB)
    100% |#####| 71kB 319kB/s
Collecting requests<3.0,>=2.0 (from ibm-watson>=6.1.0)
  Downloading https://files.pythonhosted.org/packages/ca/91/6d9b8ccac0412c88820f72cebaa4f0c0441b5cda699c90f618b6f8a1b42/requests-2.28.1-py3-none-any.whl (62kB)
    100% |#####| 71kB 319kB/s
Collecting ibm-cloud-sdk-core==3.*,>=3.3.6 (from ibm-watson>=6.1.0)
  Downloading https://files.pythonhosted.org/packages/b1/35/2e6ad7ecb21c5ff42f37ced3aa4e90fac9a1fac2cfdad10403ca3d653b28/ibm_cloud_sdk_core-3.16.0-py3-none-any.whl (83kB)
    100% |#####| 92kB 508kB/s
Collecting python-dateutil>=2.5.3 (from ibm-watson>=6.1.0)
  Downloading https://files.pythonhosted.org/packages/3b/7a/87837f39d0296e723bb9b62bb57d0355c7f6128853c78955f57342a56d/python_dateutil-2.8.2-py2.py3-none-any.whl (247kB)
    100% |#####| 250kB 819kB/s
Collecting charset-normalizer<3,>=2 (from requests<3.0,>=2.0->ibm-watson>=6.1.0)
  Downloading https://files.pythonhosted.org/packages/db/51/a507c856293ab05cdc1db77ff4bc1268dd39f29e7dc4919aa497f0adbec/charset_normalizer-2.1.1-py3-none-any.whl
Collecting certifi>=2017.4.17 (from requests<3.0,>=2.0->ibm-watson>=6.1.0)
  Downloading https://files.pythonhosted.org/packages/1d/38/fa96ad26e0c0e68aabc68e896584b83ad1ec779265a028e156ce509630e/certifi-2022.9.24-py3-none-any.whl (161kB)
    100% |#####| 163kB 395kB/s
Collecting urllib3<1.27,>=1.21.1 (from requests<3.0,>=2.0->ibm-watson>=6.1.0)
  Downloading https://files.pythonhosted.org/packages/6f/de/5bc2e3ced8426f871b17066333a0f627fc2924cc386cd41be0657ea870/urllib3-1.26.12-py2.py3-none-any.whl (140kB)
    100% |#####| 143kB 1.1MB/s
Collecting idna<4,>=2.5 (from requests<3.0,>=2.0->ibm-watson>=6.1.0)
  Downloading https://files.pythonhosted.org/packages/fc/34/3038de6f1370931bbdbb4da48f6ab1015ab1d32447850b9fc94e60097be/idna-3.4-py3-none-any.whl (61kB)
    100% |#####| 71kB 1.5MB/s
Collecting PyJWT<3.0.0,>=2.4.0 (from ibm-cloud-sdk-core==3.*,>=3.3.6->ibm-watson>=6.1.0)
  Downloading https://files.pythonhosted.org/packages/4b/46/505f0dd53c14096f01922bf93a/abb4e40e29a06f858abbab791e6954324/PyJWT-2.6.0-py3-none-any.whl
Collecting six>=1.5 (from python-dateutil>=2.5.3->ibm-watson>=6.1.0)
  Downloading https://files.pythonhosted.org/packages/d9/5a/e7c31adbe875f2abb691bd84cf2dc52d792b5a01506781dbcf25c91daf11/six-1.16.0-py2.py3-none-any.whl
Building wheels for collected packages: ibm-watson
  Building wheel for ibm-watson (PEP 517) ... done
  Stored in directory: C:\Users\NANTHINI\AppData\Local\Pip\Cache\wheels\sa\4\dc\c4\938249735e2a00efdd624d3886074f8d3bead9ef51acc2e1
Successfully built ibm-watson
Installing collected packages: websocket-client, charset-normalizer, certifi, urllib3, idna, requests, PyJWT, six, python-dateutil, ibm-cloud-sdk-core, ibm-watson
Successfully installed PyJWT-2.6.0 certifi-2022.9.24 charset-normalizer-2.1.1 ibm-cloud-sdk-core-3.16.0 ibm-watson-6.1.0 idna-3.4 python-dateutil-2.8.2 requests-2.28.1 six-1.16.0 urllib3-1.26.12 websocket-client-1.1.0
You are using pip version 19.0.3, however version 22.3.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

C:\Users\NANTHINI>
```

CREATION OF TEXT TO SPEECH SERVICE:

The screenshot shows the IBM Cloud console for the Text-to-Speech service. The interface includes a top navigation bar with the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account (NANTHINI N's Account). A left sidebar lists management options: Manage, Getting started, Service credentials, Plan, and Connections. The main content area is titled 'Start by viewing the tutorial' and contains two buttons: 'Getting started tutorial' and 'API reference'. To the right, a 'Plan' section shows 'Lite' as the selected plan with an 'Upgrade' button. Below the tutorial links, a 'Credentials' section displays the API key and URL. The API key is 'hy01V1J5ajD_X64tbvARheIicpe@gASBEV96jEcyMZwx' and the URL is 'https://api.au-syd.text-to-speech.watson.cloud.ibm.com'. A 'Download' button is next to the API key, and a 'Hide credentials' button is next to the URL. A note at the bottom of the credentials section says 'View all credentials in the Service credentials tab.'

IBM Cloud

Search resources and products...

Catalog Manage NANTHINI N's Account

Manage

- Getting started
- Service credentials
- Plan
- Connections

Start by viewing the tutorial

Getting started tutorial API reference

Plan

Lite

Upgrade

Credentials

Download Hide credentials

API key:

hy01V1J5ajD_X64tbvARheIicpe@gASBEV96jEcyMZwx

URL:

https://api.au-syd.text-to-speech.watson.cloud.ibm.com

View all credentials in the **Service credentials** tab.

Type here to search

25°C

ENG IN 00:08 19/11/2022