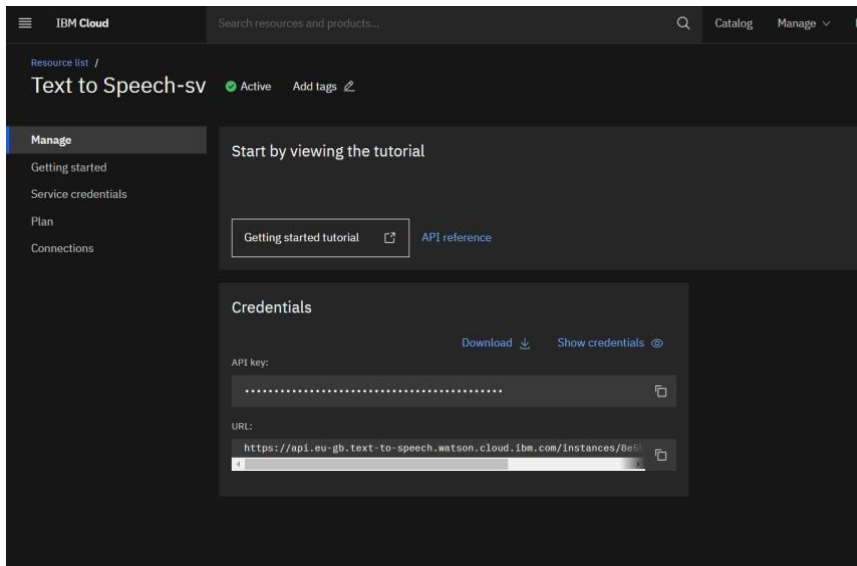


SPRINT - 4

Date	11 October 2022
Team ID	PNT2022TMID15955
Project Name	Personal Assistance for Seniors Who Are Self-Reliant.

1. Create Text to speech using the IBM Watson Text to Speech credential:



Code:

The image shows a Visual Studio Code (VS Code) editor window with a Python file named `tts.py` open. The script uses the `ibm_watson` and `ibm_cloud_sdk_core` libraries to interact with the IBM Watson Text-to-Speech API. It sets up an `IAMAuthenticator` with an API key and URL, then uses the `TextToSpeechV1` class to synthesize audio from a text command. The audio is saved to a file named `speech.mp3`.

```
1 from ibm_watson import TextToSpeechV1
2 from ibm_cloud_sdk_core.authenticators import IAMAuthenticator
3 url="https://api.eu-pb.text-to-speech.watson.cloud.ibm.com/instances/8e5bc662-02f5-4cc3-b2a3-27086673e789"
4 api="QGKbVq11tGSFmN8_7wpTikGVYIKCHG8NLfHnC1BBXNwj"
5 auth=IAMAuthenticator(api)
6 tts=TextToSpeechV1(authenticator=auth)
7 tts.set_service_url(url)
8 a=["command":["Dart","Paracitamol","Dolo 650"]]
9 instruction="Please Take following Medicine. "
10 for i in a["command"]:
11     instruction+=i
12     instruction+=" "
13 with open("./speech.mp3","wb") as audio_file:
14     res=tts.synthesize(instruction,accept="audio/mp3",voice='en-US_AllisonV3Voice').get_result()
15     audio_file.write(res.content)
```

The terminal window at the bottom shows the execution of the script using `python`. It displays the connection to the IBM Watson IoT Platform and the successful synthesis of the audio file.

```
PS D:\Project> python -u "d:\Project\device.py"
2022-11-16 22:21:14,460 ibmiotf.device.client INFO Connected successfully: dthg0hl1:123:abcd
2022-11-16 22:24:18,619 ibmiotf.device.client ERROR Unexpected disconnect from the IBM Watson IoT Platform: 16
2022-11-16 22:24:18,699 ibmiotf.device.client ERROR Unexpected disconnect from the IBM Watson IoT Platform: 16
2022-11-16 22:24:20,919 ibmiotf.device.client INFO Connected successfully: dthg0hl1:123:abcd
```