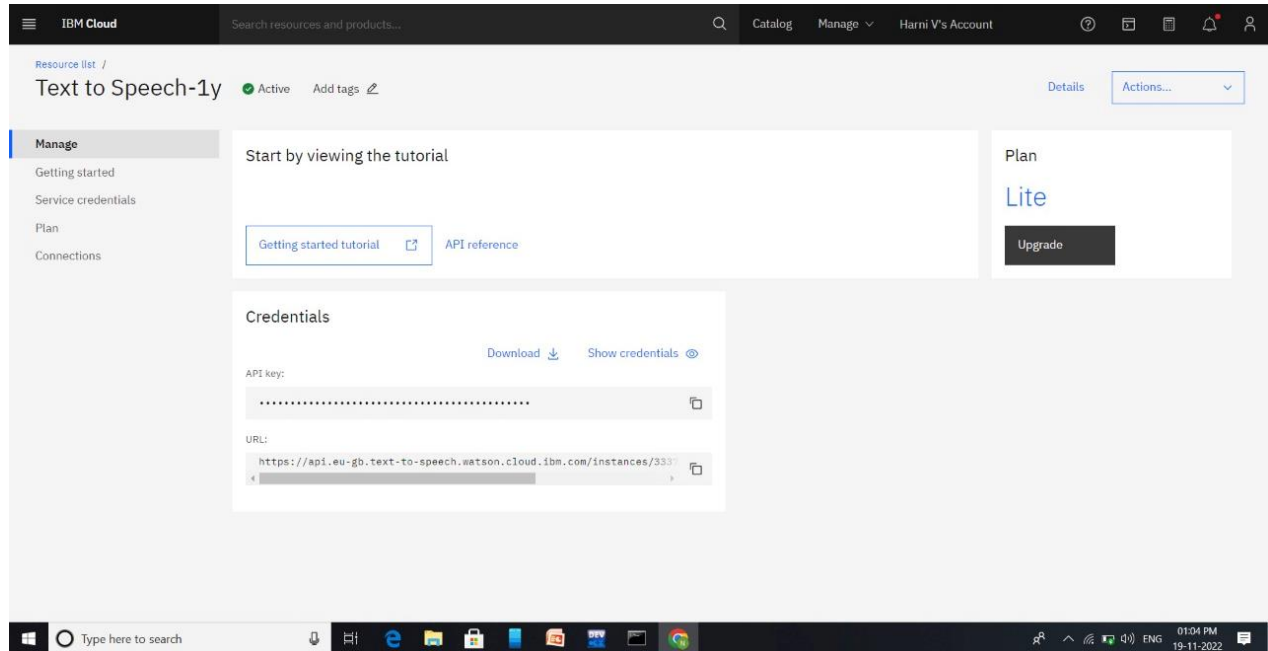


## SPRINT - 4

Date	11 October 2022
Team ID	PNT2022TMID21391
Project Name	Personal Assistance for Seniors Who Are Self-Reliant.

1. Create Text to speech using the IBM Watson Text to Speech credential:
- 2.



Code:

The image shows a VS Code editor window with a Python file named `tts.py` open. The script uses the `ibm_watson_sdk` library to authenticate with IBM Watson Text-to-Speech and synthesize audio from a text command. The terminal window at the bottom shows the command `python -u "d:\Project\device.py"` being executed, with logs indicating a successful connection and audio synthesis.

```
Go Run Terminal Help
tts.py - Untitled (Workspace) - Visual Studio Code

! device.yaml  IoT.py  device.py  speech.mp3  akash.py  tts.py  device.txt

Project > tts.py > ...
1 from ibm_watson_sdk import TextToSpeechV1
2 from ibm_cloud_sdk_core.authenticators import IAMAuthenticator
3 url="https://api.eu-gb.text-to-speech.watson.cloud.ibm.com/instances/8e5bc662-02f5-4cc3-b2a3-27086673e789"
4 api="QoXbVqllpsFNng_7wp1rkGVYIKCHG8NLfHnC1BBXNwj"
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)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

Windows PowerShell  
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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

```
PS D:\Project> python -u "d:\Project\device.py"
2022-11-16 22:21:14,460 ibmiotf.device.Client INFO Connected successfully: d:hgh0hl1:123: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: d:hgh0hl1:123:abcd
```