

PROJECT DEVELOPMENT PHASE

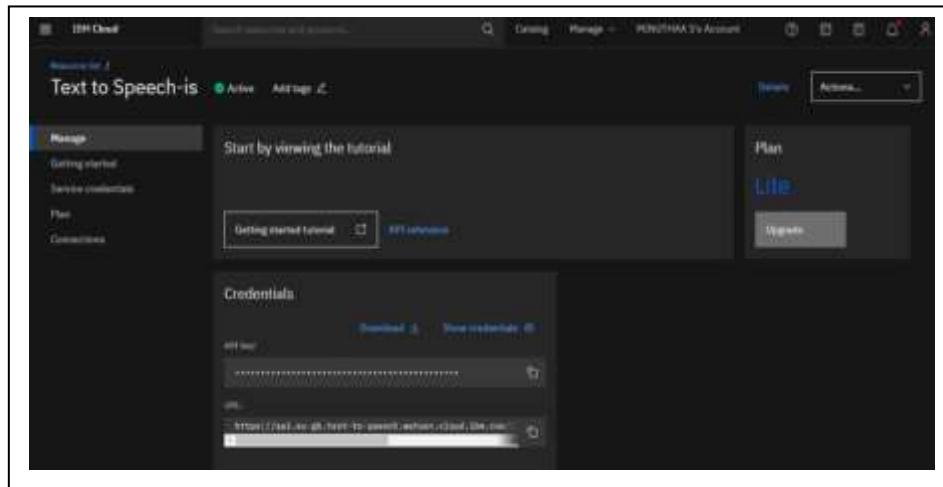
SPRINT 3

CREATING TEXT TO SPEECH SERVICE

TEAM ID	PNT2022TMID39429
PROJECT TITLE	PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF RELIANT

STEP 1 :

TEXT TO SPEECH CREATION



STEP 2:

EXECUTION OF THE PROGRAM FOR TTS

A screenshot of a terminal window titled 'TEXT TO SPEECH PYTHON CODE.py - D:\IBM\PROJECT\PROJECT DEVELOPMENT PHASE\SPRINT 3\TEXT TO SPEECH SERVICE\TEXT TO SPEECH PYTHON CODE.py (LITE)'. The window contains Python code for generating speech from text. The code imports requests, defines URLs for IBM Cloud Text-to-Speech API, and performs a POST request to generate audio. The terminal shows the command 'python3.8 TTS_Py.py' being run and its output, which includes a URL for the generated audio file. The bottom of the screen shows a Windows taskbar with various icons.

Code: [TEXT TO SPEECH]

```
from ibm_watson import TextToSpeechV1

from ibm_cloud_sdk_core.authenticators import IAMAuthenticator

authenticator = IAMAuthenticator

('IUNVXwet0b0Nec0PTdshIXnUSibobpNrwgtoSm2F6muK')

text_to_speech = TextToSpeechV1 (

authenticator= authenticator

)

text_to_speech.set_service_url('https://api.eu-gb.text-to-
speech.watson.cloud.ibm.com/instances/9e73091d-ddb0-413c-9a6f-
87cbd2769cc4')

with open ('hello world.wav' , 'wb') as audio_file:

audio_file.write(

text_to_speech.synthesize(

'Take Crocin Now',

voice='en-US_AllisonV3Voice',

accept='audio/wav'

).get_result ().content)
```