TEAM ID: PNT2022TMID17685

CREATE & CONFIGURE IBM CLOUD

SERVICE CREATE THE TEXT-TO-SPEECH
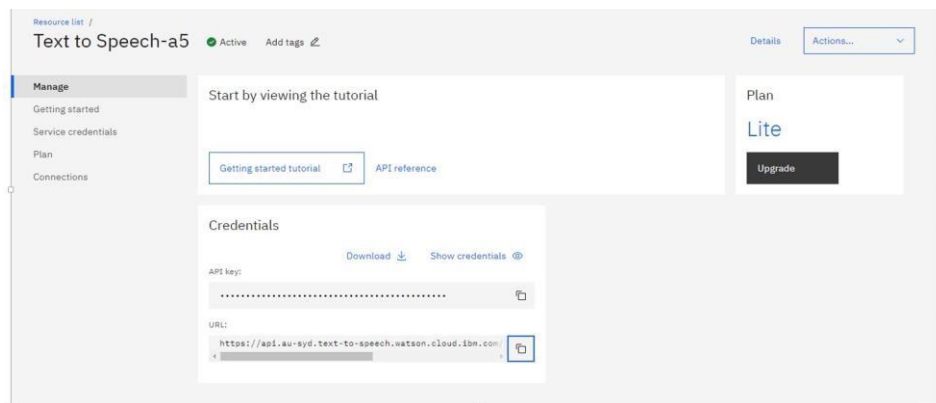
SERVICE

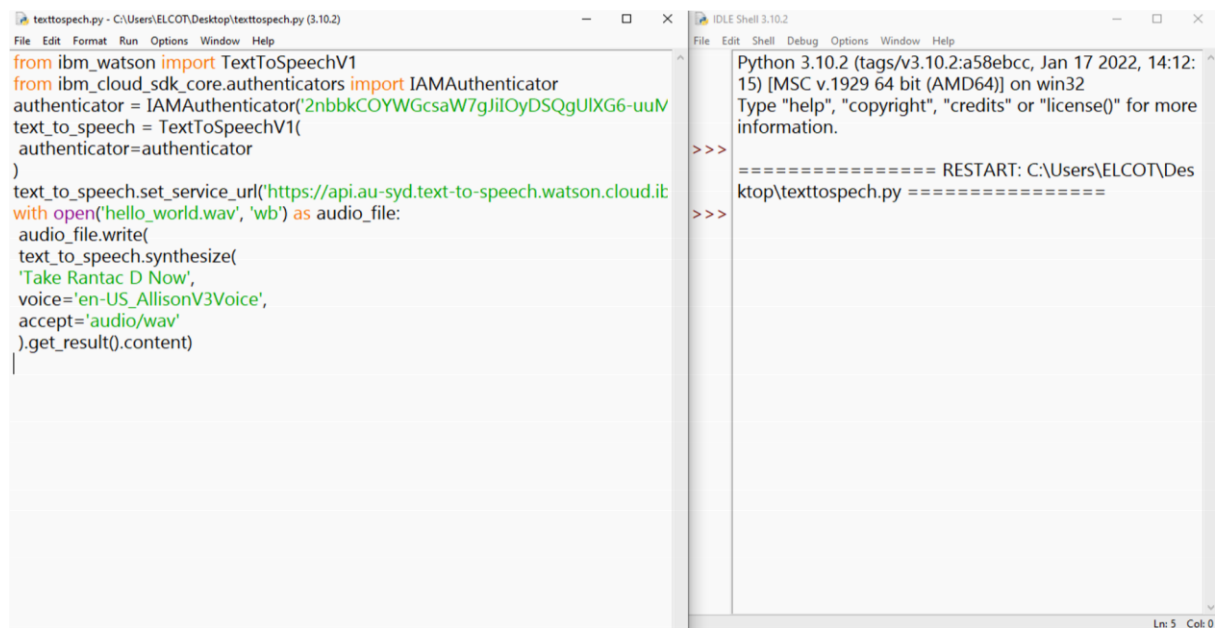**Installation of Watson-TTS Client library Provided for Python:**

Code:

Pip install -upgrade"ibm-watson>=6.1.0"

```
C:\Users\ELCOT>pip install --upgrade "ibm-watson>=6.1.0"
Requirement already satisfied: ibm-watson>=6.1.0 in c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages (6.1.0)
Requirement already satisfied: websocket-client==1.1.0 in c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages (from ibm-watson>=6.1.0) (1.1.0)
Requirement already satisfied: requests<3.0,>=2.0 in c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages (from ibm-watson>=6.1.0) (2.28.1)
Requirement already satisfied: ibm-cloud-sdk-core==3.*,>=3.3.6 in c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages (from ibm-watson>=6.1.0) (3.1
6.0)
Requirement already satisfied: python-dateutil>=2.5.3 in c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages (from ibm-watson>=6.1.0) (2.8.2)
Requirement already satisfied: urllib3<2.0.0,>=1.26.0 in c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages (from ibm-cloud-sdk-core==3.*,>=3.3.6-
>ibm-watson>=6.1.0) (1.26.12)
Requirement already satisfied: PyJWT<3.0.0,>=2.4.0 in c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages (from ibm-cloud-sdk-core==3.*,>=3.3.6->ib
m-watson>=6.1.0) (2.5.0)
Requirement already satisfied: six>=1.5 in c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages (from python-dateutil>=2.5.3->ibm-watson>=6.1.0) (1.
16.0)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages (from requests<3.0,>=2.0->ibm-watson>=6.1.
0) (2022.9.24)
Requirement already satisfied: idna<4,>=2.5 in c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages (from requests<3.0,>=2.0->ibm-watson>=6.1.0) (3.
4)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages (from requests<3.0,>=2.0->ibm-watson
>=6.1.0) (2.1.1)
WARNING: You are using pip version 21.2.4; however, version 22.3 is available.
You should consider upgrading via the 'C:\Users\ELCOT\AppData\Local\Programs\Python\Python310\python.exe -m pip install --upgrade pip' command.
```

Service Creation Status & Credential Details:

STATUS : ACTIVE

```
from ibm_watson import TextToSpeechV1
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator
authenticator = IAMAuthenticator('2nbbkCOYWGcsaW7gJiIOyDSQgUlXG6-uuM
text_to_speech = TextToSpeechV1(
 authenticator=authenticator
)
text_to_speech.set_service_url('https://api.au-syd.text-to-speech.watson.cloud.it
with open('hello_world.wav', 'wb') as audio_file:
 audio_file.write(
 text_to_speech.synthesize(
 'Take Rantac D Now',
 voice='en-US_AllisonV3Voice',
 accept='audio/wav'
 ).get_result().content)
```

```
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:
15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more
information.
>>>
================ RESTART: C:\Users\ELCOT\Des
ktop\texttospech.py ================
>>>
```

Execution & Test Run of Program to Access TTS:

RESULT : SUCCESSFULLY CREATED