CREATE & CONFIGURE IBM CLOUD SERVICECREATE THE TEXT-TO-SPEECH SERVICE

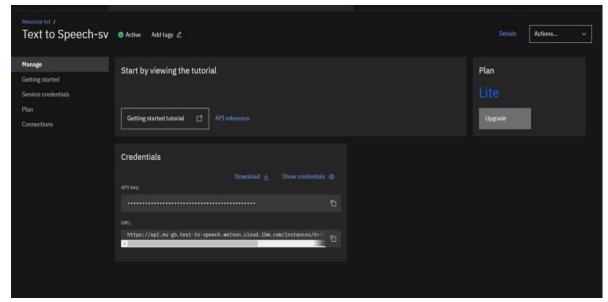
Installation of Watson-TTS Client library Provided for Python:

Code:

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

```
Select C:\WINDOWS\system32\cmd.exe
::\Users\Lenovo>pip install --upgrade "ibm-watson>=6.1.0"
Collecting ibm-watson>=6.1.0
 Downloading ibm-watson-6.1.0.tar.gz (373 kB)
                                                   373.5/373.5 kB <mark>309.9 kB/s eta 0:00:00</mark>
  Installing build dependencies ... done
 Getting requirements to build wheel ... done
 Preparing metadata (pyproject.toml) ... done
 ollecting python-dateutil>=2.5.3
 Downloading python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
Collecting websocket-client==1.1.0
 Downloading websocket_client-1.1.0-py2.py3-none-any.whl (68 kB)
                                                                             eta 0:00:00
Requirement already satisfied: requests<3.0,>=2.0 in c:\users\lenovo\appdata\local\programs\python\python39\lib\site-pac
kages (from ibm-watson>=6.1.0) (2.28.1)
Collecting ibm-cloud-sdk-core==3.*,>=3.3.6
 Downloading ibm_cloud_sdk_core-3.16.0-py3-none-any.whl (83 kB)
                                                                            eta 0:00:00
Requirement already satisfied: urllib3<2.0.0,>=1.26.0 in c:\users\lenovo\appdata\local\programs\python\python39\lib\site
-packages (from ibm-cloud-sdk-core==3.*,>=3.3.6->ibm-watson>=6.1.0) (1.26.12)
Collecting PyJWT<3.0.0,>=2.4.0
 Downloading PyJWT-2.6.0-py3-none-any.whl (20 kB)
Collecting six>=1.5
 Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\lenovo\appdata\local\programs\python\python39\lib\site-pac
kages (from requests<3.0,>=2.0->ibm-watson>=6.1.0) (2022.9.24)
Requirement already satisfied: idna<4,>=2.5 in c:\users\lenovo\appdata\local\programs\python\python39\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\lenovo\appdata\local\programs\python\python39\lib\si
te-packages (from requests<3.0,>=2.0->ibm-watson>=6.1.0) (2.1.1)
Building wheels for collected packages: ibm-watson
 Building wheel for ibm-watson (pyproject.toml) ... done
Created wheel for ibm-watson: filename=ibm_watson-6.1.0-py3-none-any.whl size=370808 sha256=4f34db1c7aef21efa89f9e898f
0fde132b6c7d2f0b2d1cca57ac777299a59c01
 Stored in directory: c:\users\lenovo\appdata\local\pip\cache\wheels\37\35\82\5828354d83eb219a1c8078964ba1f4eac12aa0867
1a16a9bfd
Successfully built ibm-watson
Installing collected packages: websocket-client, six, PyJWT, python-dateutil, ibm-cloud-sdk-core, ibm-watson
Successfully installed PyJWT-2.6.0 ibm-cloud-sdk-core-3.16.0 ibm-watson-6.1.0 python-dateutil-2.8.2 six-1.16.0 websocket
client-1.1.0
 :\Users\Lenovo>
```

Service Creation Status & Credential Details:



STATUS: ACTIVE

Execution & Test Run of Program to Access TTS:

```
from ibm_watson import TextToSpeechV1
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator
authenticator = IAMAuthenticator('2nbbkCOYWGcsaW7gJiIOyDSQgUIXG6-uuW
text_to_speech = TextToSpeechV1(
authenticator=authenticator
)
text_to_speech.set_service_url('https://api.au-syd.text-to-speech.watson.cloud.ib
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)
```

RESULT: SUCCESSFULLY CREATED