

PROJECT TITLE	Personal Assistance for Seniors Who Are Self-Reliant
TEAM ID	PNT2022TMID25483
TITLE	Create Text To Speech Service

CREATE & CONFIGURE IBM CLOUD SERVICE

CREATE THE TEXT-TO-SPEECH SERVICE

Installation of Watson-TTS Client library Provided for Python:

Code:

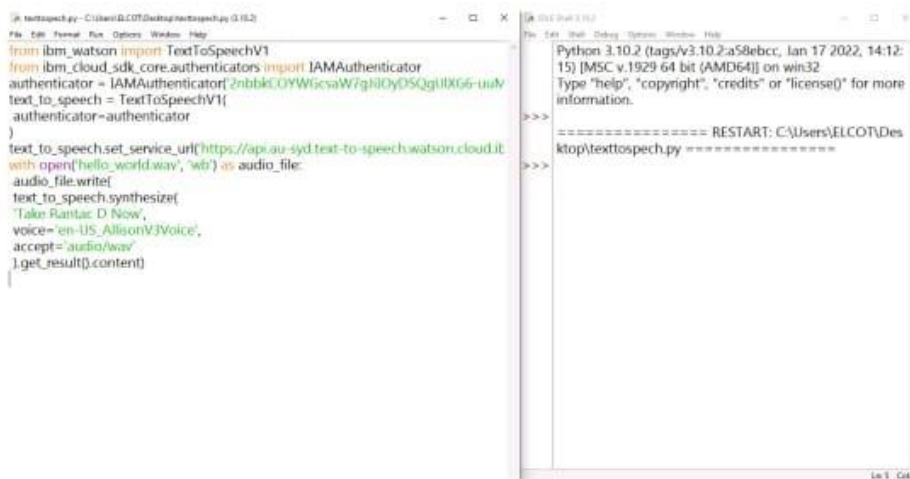
Pip install -upgrade"ibm-watson">=6.1.0"

```
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,>=2.8 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<3.0,>=3.3.6 in c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages (from ibm-watson>=6.1.0) (3.10.0)
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<3.0,>=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<3.0,>=3.3.6->ibm-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,>=2.8->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,>=2.8->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,>=2.8->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

Execution & Test Run of Program to Access TTS:

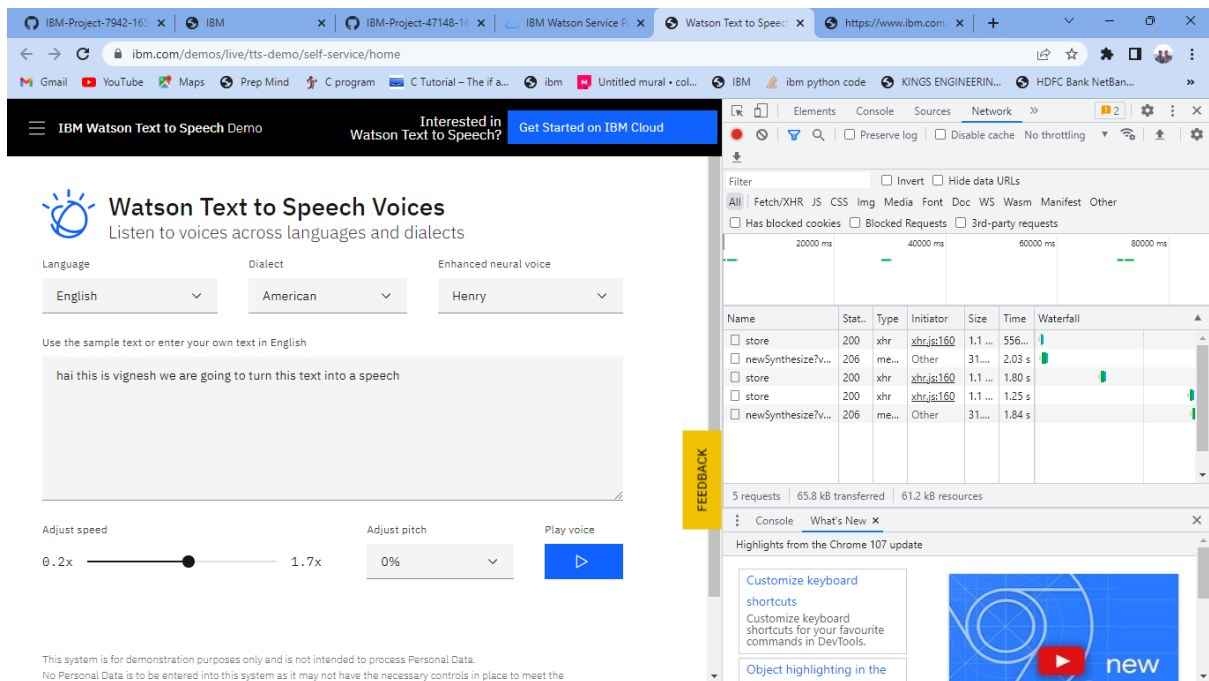


```
texttospeech.py - C:\Users\ELCOT\Desktop\texttospeech.py (3.10.2)
from ibm_watson import TextToSpeechV1
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator
authenticator = IAMAuthenticator('2nbbkCOYW6saW7g3i0YcQ5QgUuXG6-uuy')
text_to_speech = TextToSpeechV1(authenticator=authenticator)
text_to_speech.set_service_url('https://api.au-syd.text-to-speech.watson.cloud.ibm.com/paths/_world_xxx_wav') as audio_file:
    audio_file.write(
        text_to_speech.synthesize(
            'Take Rantac D New',
            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
>>>
>>>
===== RESTART: C:\Users\ELCOT\Desktop\texttospeech.py =====
>>>
```

RESULT : SUCCESSFULLY CREATED

Text one new line ;



IBM Watson Text to Speech Demo

Interested in Watson Text to Speech? [Get Started on IBM Cloud](#)

Watson Text to Speech Voices

Listen to voices across languages and dialects

Language: English | Dialect: American | Enhanced neural voice: Henry

Use the sample text or enter your own text in English

hai this is vignesh we are going to turn this text into a speech

Adjust speed: 0.2x | Adjust pitch: 0% | Play voice

This system is for demonstration purposes only and is not intended to process Personal Data. No Personal Data is to be entered into this system as it may not have the necessary controls in place to meet the requirements of applicable laws.

5 requests | 65.8 kB transferred | 61.2 kB resources

Console | What's New

Highlights from the Chrome 107 update

- Customize keyboard shortcuts
- Customize keyboard shortcuts for your favourite commands in DevTools.
- Object highlighting in the

RESULT: Successfully Played