

Date	19 October 2022
Team ID	PNT2022TMID47501
Project Name	Project-Personal Assistance for Seniors Who Are Self-Reliant

CREATE TEXT TO SPEECH SERVICE:

The screenshot shows the IBM Cloud console interface for a service instance named "Text to Speech-z6". The instance is in an "Active" state. The left sidebar shows the "Manage" section with options like "Getting started", "Service credentials", "Plan", and "Connections". The main content area has a "Start by viewing the tutorial" section with links to "Getting started tutorial" and "API reference". Below this is a "Credentials" section showing the "API key" and "URL". The "API key" is masked with dots, and the "URL" is `https://api.eu-gb.text-to-speech.watson.cloud.ibm.com/instances/be...`. On the right, there is a "Plan" section showing the "Lite" plan with an "Upgrade" button.

The screenshot shows the IBM Cloud API Docs for the Text to Speech service. The left sidebar lists the "Text to Speech" service with sections like "Overview", "Introduction", "Endpoint URLs", "Authentication", "Error handling", "Data handling", and "Related information". The main content area shows the "Introduction" page, which includes an "Introduction" section with a "Last updated: 2022-11-04" date. The introduction text describes the service's capabilities and provides links to the "SSML" and "Websocket" interfaces. The right sidebar shows the "Python" client library with an "Installation" section containing the command `pip install --upgrade "ibm-watson">=6.1.0"` and a "GitHub" link to the repository.

```
medivine.py - C:\Users\aruls\OneDrive\Desktop\medivine.py (3.7.0)
File Edit Format Run Options Window Help
from ibm_watson import TextToSpeechV1
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator

authenticator = IAMAuthenticator('41x0-60C0F-DCKV8-igHT1xh2M-d_51hDc9tPupTlMK8')
text_to_speech = TextToSpeechV1(
    authenticator=authenticator
)

text_to_speech.set_service_url('https://api.au-syd.text-to-speech.watson.cloud.ibm.com/instances/db58c83f-c473-47ff-bbfb-3bd30f5edca9')

with open('name.wav', 'wb') as audio_file:
    audio_file.write(
        text_to_speech.synthesize(
            'medicine name',
            voice='en-US_AllisonV3Voice',
            accept='audio/wav'
        ).get_result().content
    )
```

```
Command Prompt
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

C:\Users\aruls>pip install --upgrade "ibm-watson>=6.1.0"
Requirement already up-to-date: ibm-watson>=6.1.0 in c:\users\aruls\appdata\local\programs\python\python37\lib\site-packages (6.1.0)
Requirement not upgraded as not directly required: requests<3.0,>=2.0 in c:\users\aruls\appdata\local\programs\python\python37\lib\site-packages (from ibm-watson>=6.1.0) (2.28.1)
Requirement not upgraded as not directly required: python_dateutil<=2.5.3 in c:\users\aruls\appdata\local\programs\python\python37\lib\site-packages (from ibm-watson>=6.1.0) (2.8.2)
Requirement not upgraded as not directly required: websocket-client<=1.1.0 in c:\users\aruls\appdata\local\programs\python\python37\lib\site-packages (from ibm-watson>=6.1.0) (1.1.0)
Requirement not upgraded as not directly required: ibm_cloud_sdk_core<=3.*,>=3.3.6 in c:\users\aruls\appdata\local\programs\python\python37\lib\site-packages (from ibm-watson>=6.1.0) (3.16.0)
Requirement not upgraded as not directly required: certifi>=2017.4.17 in c:\users\aruls\appdata\local\programs\python\python37\lib\site-packages (from requests<3.0,>=2.0->ibm-watson>=6.1.0) (2022.9.24)
Requirement not upgraded as not directly required: urllib3<1.27,>=1.21.1 in c:\users\aruls\appdata\local\programs\python\python37\lib\site-packages (from requests<3.0,>=2.0->ibm-watson>=6.1.0) (1.26.12)
Requirement not upgraded as not directly required: charset-normalizer<3,>=2 in c:\users\aruls\appdata\local\programs\python\python37\lib\site-packages (from requests<3.0,>=2.0->ibm-watson>=6.1.0) (2.1.1)
Requirement not upgraded as not directly required: idna<4,>=2.5 in c:\users\aruls\appdata\local\programs\python\python37\lib\site-packages (from requests<3.0,>=2.0->ibm-watson>=6.1.0) (2.4)
Requirement not upgraded as not directly required: six>=1.5 in c:\users\aruls\appdata\local\programs\python\python37\lib\site-packages (from python_dateutil<=2.5.3->ibm-watson>=6.1.0) (1.16.0)
Requirement not upgraded as not directly required: PyJWT<3.0.0,>=2.4.0 in c:\users\aruls\appdata\local\programs\python\python37\lib\site-packages (from ibm_cloud_sdk_core<=3.*,>=3.3.6->ibm-watson>=6.1.0) (2.6.0)

You are using pip version 18.0.1, however version 22.3.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

C:\Users\aruls>
```

