

Team ID	PNT2022TMID21393
Project Name	Personal Assistance for Seniors Who Are Self-Reliant.
Team Members	Nishok Rajan P, Karthikeyan B, Saravanaprakash S, Viswa Bharathi K

Objective:

Create Text to Speech Service.

1. Text to Speech:

The screenshot shows the IBM Cloud console interface for the 'Text to Speech-sv' service. The top navigation bar includes the IBM Cloud logo, a search bar, and user information. The left sidebar shows the 'Manage' section with options like 'Getting started', 'Service credentials', 'Plan', and 'Connections'. The main content area displays the 'Text to Speech-sv' service status as 'Active'. It includes a 'Start by viewing the tutorial' section with links to 'Getting started tutorial' and 'API reference'. Below this is the 'Credentials' section, which shows the 'API key' and 'URL' fields. The 'API key' is masked with dots, and the 'URL' is 'https://api.eu-gb.text-to-speech.watson.cloud.ibm.com/instances/8e5bc662-02f5-4cc3-b2a3-27086673e789'. There is also a 'Plan' section on the right showing 'Lite' and an 'Upgrade' button.

2. Code :

```

Project > tts.py > ...
1  from ibm_watson import TextToSpeechV1
2  from ibm_cloud_sdk_core.authenticators import IAMAuthenticator
3  from playsound import playsound as ps
4  import time
5  url="https://api.eu-gb.text-to-speech.watson.cloud.ibm.com/instances/8e5bc662-02f5-4cc3-b2a3-27086673e789"
6  api="QGxbVq1lTgSFNn8_7wpT1kGVYIKCHG8NLfHnC1BBXNwj"
7  auth=IAMAuthenticator(api)
8  tts=TextToSpeechV1(authenticator=auth)
9  tts.set_service_url(url)
10 a={"command":["Dart","Paracetamol","Dolo 650"]}
11 instruction="Please Take following Medicine. "
12 c=1
13 for i in a["command"]:
14     instruction+=str(c)+". "
15     instruction+=i
16     instruction+=" "
17     c+=1
18 with open("./speech.wav","wb") as audio_file:
19     res=tts.synthesize(instruction,accept="audio/mp3",voice='en-US_AllisonV3Voice').get_result()
20     audio_file.write(res.content)
21
22

```