

Setup

Download Python	https://www.python.org/downloads/
Install PIP	<code>curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py python3 get-pip.py</code>
Install Packages	<code>pip3 install opencv-python ibm-watson</code>

Basic setup

```
#Imports
from ibm_watson import Visual RecognitionV3
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator

#Build connection to the Service
authenticator = IAMAuthenticator('API_KEY')
service = VisualRecognitionV3(
    version='2020-02-26',
    authenticator=authenticator
)

#Connect
service.set_service_url('YOUR_URL')
```

Text to Speech

```
#Import required packages
from ibm_watson import TextToSpeechV1
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator

#connect to service
authenticator = IAMAuthenticator('{apikey}')
text_to_speech = TextToSpeechV1(
    authenticator=authenticator
)

text_to_speech.set_service_url('{url}')
#write the response from the server to the
hello_world.wav audio file
#open the audio file
with open('hello_world.wav', 'wb') as
audio_file:
    #write something into the file
    audio_file.write(
        #get the response from the service
        and set the parameters as you like
        text_to_speech.synthesize(
            'Hello world',
            voice='en-US_AllisonV01',
            accept='audio/wav'
        ).get_result().content)
```

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 Page 1 of 1.

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