

Web Application Client

In earlier parts of this tutorial, [Advance REST Client \(https://advancedrestclient.com/\)](https://advancedrestclient.com/) and cURL utilities were used to test the cognitive APIs. In this section, we will use a pre-built web application to test the Text to Speech and Personality Insight APIs built earlier. This web application uses AngularJS (1.x) and Bootstrap web frameworks.

NOTE: Building the web application from is not part of this tutorial. You are welcome to review the code and modify it as you see fit.

Download Web Application

- Open Terminal window.
- Change directory to the ~/workshop folder

```
cd ~/workshop
```

- Clone the [web application GIT repository \(git@github.ibm.com:CASCON/cas-cognitive-app1.git\)](https://github.ibm.com/CASCON/cas-cognitive-app1.git) into this folder

```
git clone <git repo URL>
```

- Alternatively, unzip my-cognitive-app1.zip from solutions folder into ~/workshop/<email-id>-cognitive-app1 as shown below.

```
cd ~/workshop
unzip ~/workshop/solutions/04-web-app/my-cognitive-app1.zip -d
~/workshop/<email-id>-cognitive-app1
```

Setup Web Application

- Launch VS Code text editor and open the directory where you cloned the web application git repository or extracted the application zip file.
- Click on public/app/app.js and open it.
- Search for apiBaseUrl in the code and change it to point to your API base URL. Your apiBaseUrl is http://<email id>-cognitive-api1.mybluemix.net/. Replace <email id> with your email id.

NOTE: Try to use the default API url `https://cas-cognitive-api1.mybluemix.net` as it. This API already exists on Bluemix and has been published for demonstration purposes. In addition, the default API exposes twitter APIs as well such that the Web Application can retrieve twitter feeds for a given twitter username. This saves the users from typing 100+ words for analysis

Publish Web Application to Bluemix

- Launch VS Code text editor and open the directory where you cloned the web application git repository or extracted the application zip file.
- Edit `manifest.yml` and change the name and host. Keep the two values same. Change both values to `<email-id>-cognitive-app1`. Replace `<email id>` with your email id. Save the file.
- Edit `package.json` and change the name to `<email-id>-cognitive-app1`. Replace `<email id>` with your email id. Save the file.
- Open Terminal window.
- Change directory to the `~/workshop/<email-id>-cognitive-app1` folder. Replace `<email id>` with your email id.

```
cd ~/workshop/<email-id>-cognitive-app1
```

- Sign into Bluemix. Make sure to select cascon space when prompted.

```
cf login
```

- Now, publish the application to Bluemix

```
cf push
```

Test API using Web Application

- Once the application is deployed and running in Bluemix, launch the application URL to test it on Bluemix, `http://<email-id>-cognitive-app1.mybluemix.net/index.html`. Replace `<email id>` with your email id.
- In Text to Speech tab, enter a free form text and pick a voice from the drop-down. Hit the Invoke API button retrieve the audio from API. The web application UI will automatically play the audio.

- In Personality Insights tab, enter at least 100 words in text area and hit the Invoke API button. This will retrieve the Big 5 personality attributes and display them in the UI.