CASCON Cognitive Lab

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Overview

This tutorial focuses on building a simple Node Express application that
interfaces with IBM Watson cognitive services on Bluemix using Watson Cloud SDK
(https://github.com/watson-developer-cloud/node-sdk).
The application exposes two APIs, Text to Speech and
Personality Insights, that an end-user or client can consume.

Setup

Follow instructions in setup section (01-setup/setup.md) to create a cloud foundary application
using Node JS runtime in Bluemix. This application is modified in later parts of
this tutorial.

Text to Speech

This section (02-text-to-speech/text-to-speech.md) will outline steps to necessary to augment
the Node application with
Watson Cloud SDK (https://github.com/watson-developer-cloud/node-sdk) Text to Speech
service. The application will expose
a REST API, `/api/t2s`, that will accept a text message and voice type for Waton
Text to Speech service. API will return Base64 encoded audio data.

Personality Insights

Next (03-personality-insights/personality-insights.md), the Node application will expose another
REST API, `/api/pi`, that will
interface with Watson Cloud SDK (https://github.com/watson-developer-cloud/node-sdk)
Personality Insights service. This
API will accept free form text and return the Big5 personality indicators.

Web Application Client

This is the optional part of the tutorial. A web application (04-web-app/web-app.md) has been
created that interfaces with the Node application. This section will outline steps necessary
to invoke REST APIs created above from AngularJS application.

Training IBM Watson Services

A video demo (05-demo/demo.md) of how to train IBM Watson Visual Recognition Service to detect
Visual patterns.