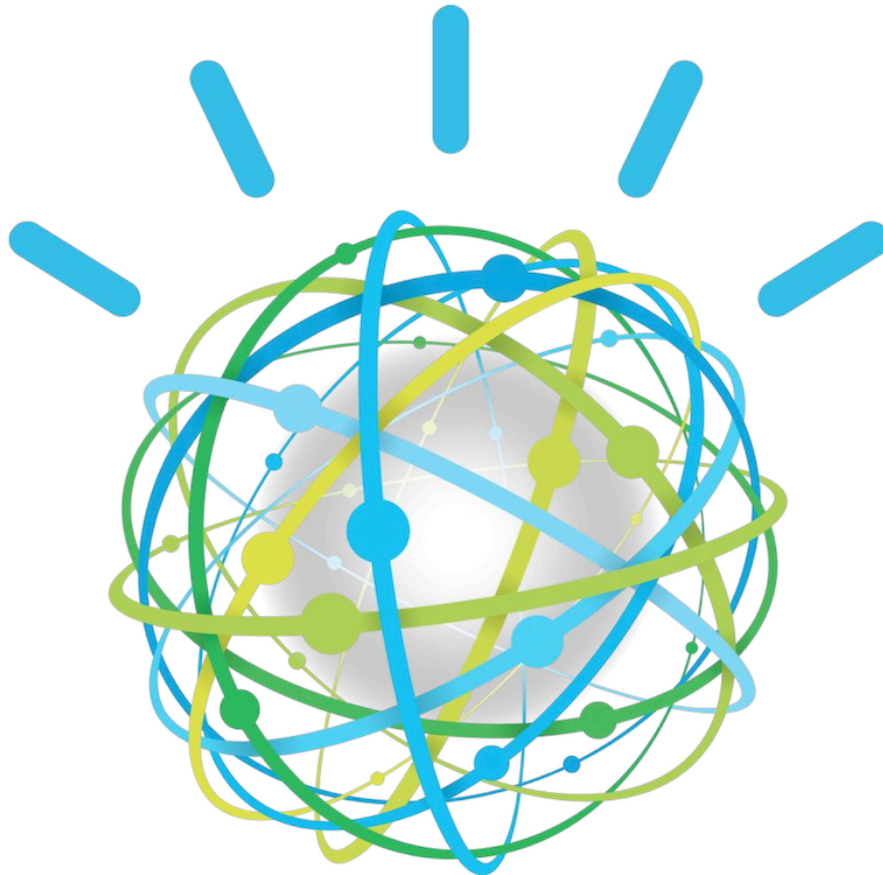


IBM Watson Bluemix Workshop



Building Apps and Augmenting them with Cognitive Services

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Pre-requisites Prior to the Work Shop

Overview

What is Bluemix you ask? **Bluemix** is an implementation of IBM's Open Cloud Architecture, leveraging Cloud Foundry to enable developers to rapidly build, deploy, and manage their cloud applications, while tapping a growing ecosystem of available services and runtime frameworks. You can view a short introductory video here:

<http://www.ibm.com/developerworks/cloud/library/cl-bluemix-dbarnes-ny/index.html>

It is strongly recommended that you perform all the steps, including downloads outlined in the prerequisite section.

Prerequisite

This section provides instructions to help you get started quickly with the IBM Watson™ Developer Cloud services using Node.js as your programming runtime environment. To make it easy to get up and running with a functional application that uses the REST Application Programming Interface (API) for any Watson service, IBM provides a Node.js package with wrappers that simplify application development. The package includes simple command-line example applications to let you experiment with any of the available services. Complete the following steps to satisfy the prerequisites

- **Obtain Bluemix credentials:**

1. Register for a trial account of Bluemix, you can register here:
<http://www.ibm.com/cloud-computing/bluemix/>
2. Click **Sign Up** on the top right.
3. Enter requested information and click **Create Account**. Look for the confirmation email back to you.

- **Install the Node.js runtime:**

The default installation includes both the runtime and package manager. Make sure to include the installed binaries on your PATH environment variable after installation (typically, the default installation locations that the installer selects does the inclusion).

1. Direct your browser to the nodejs.org web site: <https://nodejs.org>
2. Click **Downloads**.
3. Select and install the installer (not the binary) appropriate for your operating system.

- **Install the cf command line**

1. Direct your browser to a GitHub repository: <https://github.com/cloudfoundry/cli/releases>
2. Download and install the most recent installer appropriate for your operating system.

- **Download all or a particular workshop that you are interested to complete.**

The ZIP packages contain basic code to get you started with an app.

1. Direct your browser to a GitHub repository: <https://github.com/apischdo/WOW2016>
2. Download files using the **Download or Clone** button to the bottom right of the page.
3. Extract the contents of the artifacts therein in a temporary location on your local system.

- **W3C Geolocation APIs**

Since we will be using browser supported W3C Geolocation APIs, please ensure that your machine includes the following minimum browser versions (most current operating systems do):

- Firefox 3.5+
- Chrome 5.0+
- Safari 5.0+
- Opera 10.60+
- Internet Explorer 9.0+

- **Download cURL**

To check whether cURL is installed, enter `curl -V` at a command prompt (it is if you have a Mac).

- If you see a response that includes a version number, you're all set.
- If you need to install cURL, follow this link: <https://curl.haxx.se/dlwiz/?type=bin>

Make sure to select the SSL-enabled version of cURL.

- **Download OS appropriate code-friendly editing tool or use one of your favorites.**

If you are using a PC, we recommend using Notepad ++

If you are using Mac, we recommend Sublime Text