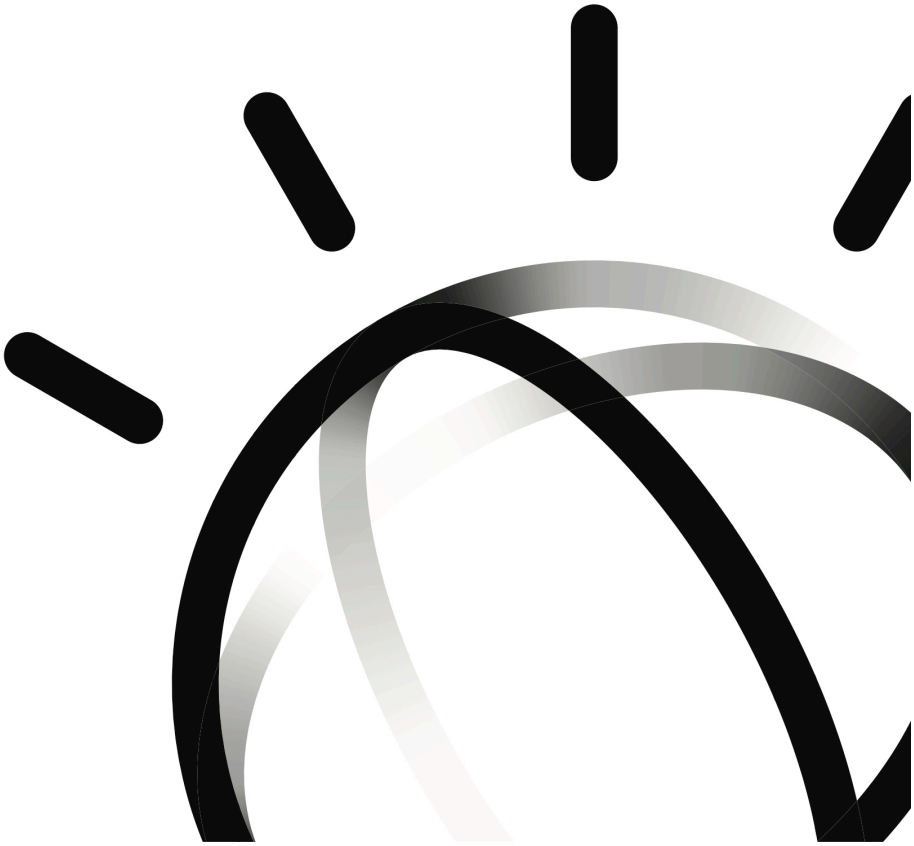
# IBM Watson Bluemix Workshop

# 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. If you are a university student or faculty go here: https://ibm.onthehub.com/ and follow instructions.
  2. To enroll in the Academic Initiative go here: http://www.onthehub.com/ibm/
  3. All other users access the Bluemix home page: https://console.ng.bluemix.net/home/
  4. Click **Sign Up** on the top right.
  5. Enter requested information and click **Create Account**. Look for the confirmation email back to you.

     Even if you approach from Bluemix web site, you do have 30 days, as an academic, to enroll in the Academic Initiative through the following link: http://www.onthehub.com/ibm/

- **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/
  2. Search for **bluemix-workshop**.

3. Scroll down and select: apischdo/*Bluemix-workshop*-assets
4. Download files using the **Download** button to the bottom right of the page.
5. Extract the contents of the artifacts therein in a temporary location on your local system.

- **Download github**

  Direct your browser and download the OS specific tool from here: https://git-scm.com/downloads

- **Download cURL**

  To check whether cURL is installed, enter `curl -V` at a command prompt:

  - 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