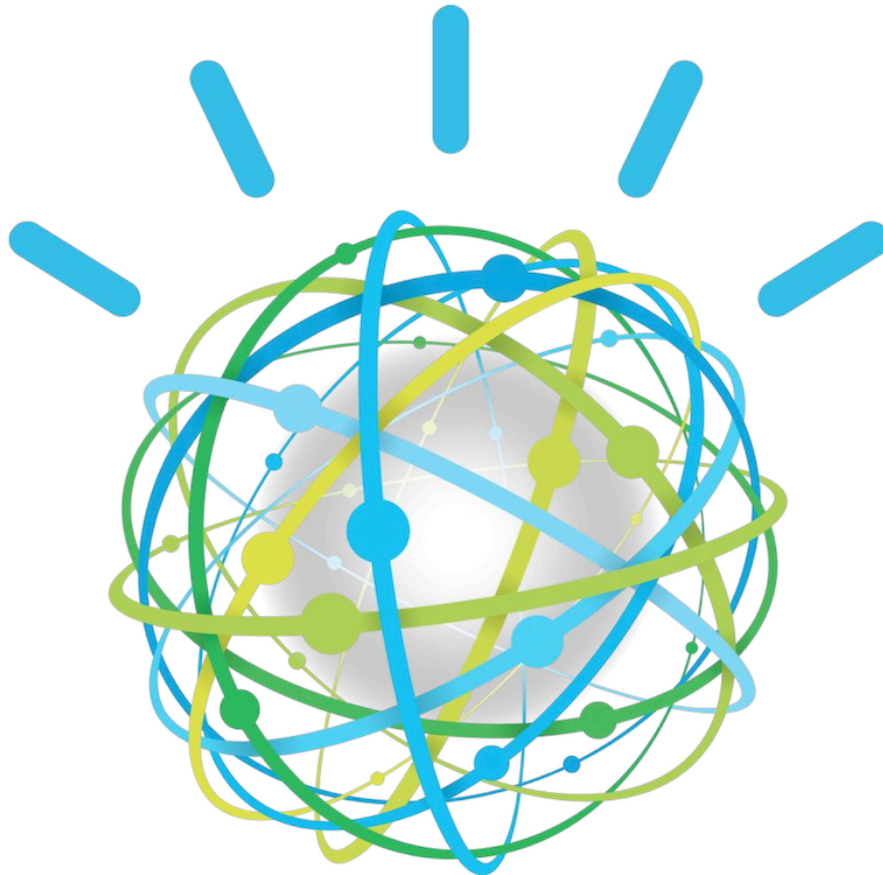


IBM Watson Bluemix Workshop



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 and 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. Direct your browser to the Bluemix home page: <https://console.ng.bluemix.net/home/>
2. Click **Sign Up** on the top right.
3. Enter requested information and click **Create Account**. This may take upwards of 2 hours. 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 the Assets in the workshop repository on Github, all four of them**

This package contains basic code to get you started with an app front page that already has the text entry boxes prebuilt for you.

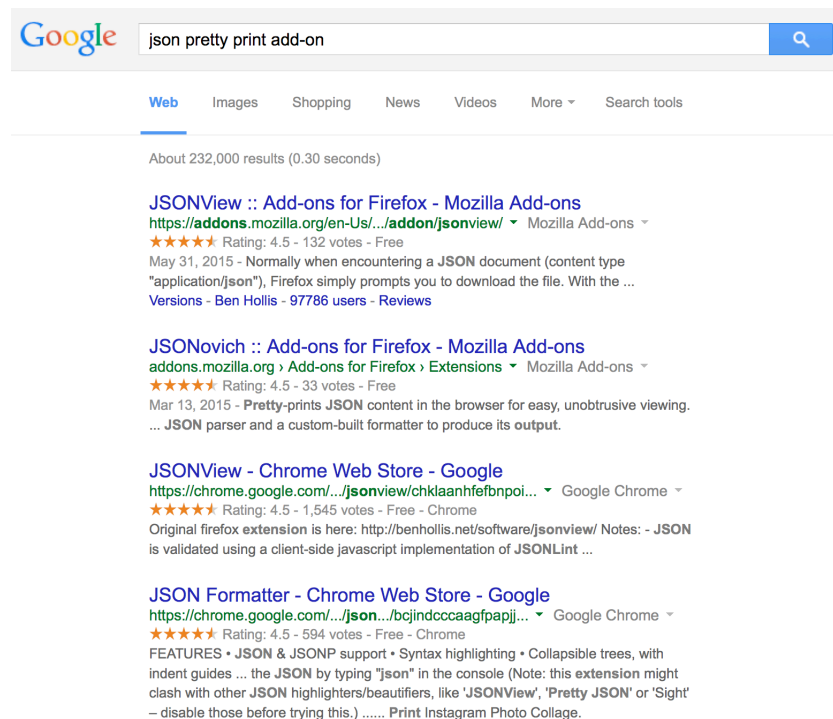
1. Direct your browser to a GitHub repository: <https://github.com/>
2. Search for **bluemix-workshop**.
3. Scroll down and select: *apischdo/Bluemix-workshop-assets*
4. Download all zip files from the **Download** button to the bottom right of the page.
5. Extract the contents of the *all asset* files 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 the JSON pretty print add-on specific for you browser**

In order to make better sense of the output of an analyzed text, or a DeepQA response, it would help to have the returned JSON output, which opens in another tab, appear in a readable format. JSON pretty print add-on, specific to your browser and OS, is a highly recommended download. The image below is an



example of Google search for such download. Choose a plugin specific for the browser you are using.

- **Download OS appropriate code-friendly editing tool**

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

If you are using Mac, we recommend Sublime Text

- **Deploy to the Dialog Tool to Bluemix**

This tool helps you create, manage, and interact with dialogs for the IBM Watson Dialog Service. You merely upload your XML file to the tool to see how the conversation will traverse, you can then make edits in the XML file and upload it again and view your changes to the conversation in the tool. Direct your browser to the following link:

<https://github.com/watson-developer-cloud/dialog-tool.git>

There is no need to download it, merely click the **Deploy to Bluemix** button in the Dialog Tool section.