Welcome to Pivotal Cloud Foundry (PCF) ODCA PaaS workshop. In this workshop we will conduct the basic use cases of PCF to provide simple knowledge transfer of Platform as a Service (PaaS) and how to use it from a developer’s perspective.

The focus of PaaS is to automate and provide consistency to the deliver and deployment of applications from each stage of the application lifecycle process and to provide a platform for building a new class of applications in a cloud environment. The emphasis on the following labs is on application delivery with very little focus on application creation.

In order to minimize the requirements we’ve provide two applications for the participant to select. The first application is a simple node.js application that will bind to a PCF managed service, in this case MongoDB. This lab requires the participant to download the node.js runtime. Please follow these instructions to get started with the Node.js application.

1. Verify node is installed and acquire the application.

Node can be obtained from <http://nodejs.org/download/>. Select the right installer for your platform. After you have installed you can verify the installation with:

*node –version*

*output v0.10.29*

*npm –version*

*output:*

*{ http\_parser: '1.0',*

*node: '0.10.29',*

*v8: '3.14.5.9',*

*ares: '1.9.0-DEV',*

*uv: '0.10.27',*

*zlib: '1.2.3',*

*modules: '11',*

*openssl: '1.0.1h',*

*npm: '1.4.14',*

*'PaaS-Workshop': '0.0.1' }*

Now you can checkout the sample application from github with the following command to a directory of your choice (e.g. for example /home/<username>/git-projects (linux) or /Users/<username)/git-projects.

*Git clone https://github.com/wxlund/odca-paas-workshop.git*

Change your directory to the git project and install the packages required by the application.

*cd odca-paas-workshop*

*npm install.*

You can test the application by running locally with

*cd hello-node*

*node web.js*

and checking for “Hello World!” in your browser at[*http://localhost:4000*](http://localhost:4000)*.*

The second lab uses a simple Java application that binds to a PCF rabbit service (messaging service) to deliver updates to a map of the United States. The lab requires no additional downloads as we provide the pre-compiled deployment artifacts.