Project One Micro Service Integration with Jenkins

# Required Software

Vagrant: <https://www.vagrantup.com/>

Java 8: <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

Eclipse or STS: <https://www.eclipse.org/> OR <https://spring.io/tools/sts>

Maven: <https://maven.apache.org/>

# Needed Code

TODO: Put vagrant code somewhere and list here

# Setup

We will use vagrant to create a VM that has Jenkins running on it. Then we will setup a basic configuration, create a user and generate a couple of simple builds that we will use our Micro Service to access.

## Run Vagrant

## Create a Simple Job

## Create A Simple Parameterized Job.

# Micro Service Requirements.

1. The micro service should be able to kick of a non-parameterized build.
   1. The build should be configurable via property file.
   2. The service should include a URL parameter that indicates if the user wants a response or not
   3. If the user wants a response it should look like this
      1. { success: true}
2. The microservice should be able to kick off a parameterized build
   1. The build should be configurable via property file.
   2. The service should include a URL parameter that indicates if the user wants a response or not
   3. If the user wants a response it should look like this
      1. { success: true, value=”the value”}
   4. The parameter for the build should be passed in via JSON as a POST
3. The service should supply an endpoint that returns the build numbers for both of configured builds.
   1. The build numbers should be returned in this format
      1. { numbers: [1, 2, 3]}
4. The service should supply the param for a given build
   1. The response should resemble
      1. { number:1, param: “value”}