Configuring CloudFoundry(1A)   (By Nikhil Lingutla)

I. Register for Cloud Foundry

1. Register at cloudfoundry.com (Do this atleast a day before as they had to verify our information and grant access for using cloudfoundry)

II. Install Ruby and RubyGems

1. Prerequisite for installing **vmc**(CLI for cloudfoundry) is that you need to have Ruby and RubyGems installed
2. **vmc** is a Ruby Gem (package)
3. Installing ruby through **Ruby Version Manager** is advisable, instructions are provided here
4. Ruby versions supported are
   a. 1.8.7 and
   b. 1.9.2
5. Install RubyGems (Instructions)

III. Install vmc (Command Line Interface for cloudfoundry)

1. Install the cloudfoundry command line interface tool known as **vmc** (Instructions)
2. Prerequisite for installing **vmc** is that you need to have Ruby and RubyGems installed
3. Install vmc using following command after installing Ruby and Rubygems

   a. `prompt$ sudo gem install vmc`

4. You can also setup cloud on your local machine using Micro Cloudfoundry (Instructions are provided here) (optional)

IV. Setting up the initial vmc settings

1. set the target for **vmc** (Paas platform or Micro Cloudfoundry)
2. Verify the target using

   a. `prompt$ vmc target`

      i. To deploy application onto Paas CloudFoundry, use
         `prompt$ vmc target api.cloudfoundry.com`

      ii. To deploy on to local cloud use
          `prompt$ vmc target api.app-name.cloudfoundry.me`

3. Login using credentials (username is email address used while registering)

   a. `prompt$ vmc login`

4. Confirm that you are logged in using

   a. `prompt$ vmc info`

5. Change your password for first time users

   a. `prompt$ vmc passwd`

6. use following command when in doubt

   a. `prompt$ vmc help`

V. Installing sinatra web Framework and creating a basic application

1. **Sinatra** is a ruby gem and can be installed using following command. instructions are provided [here](#)

   a. `prompt$ gem install sinatra`

2. Enter the application's main directory

   a. `prompt$ cd /usr/bob/sample-apps/hello`

3. create a file 'demo.rb' as following

a.
```
require 'sinatra'
get '/' do
  "Hello from Cloud Foundry"
end
```

VI. Using vmc to deploy your Application

1. Use the following push command for deploying the application by moving into the application home directory

   a. `prompt$ vmc push`

2. Now it will ask for user inputs like 'application name(app-name)' etc. For 'Binding Services' prompt, enter 'No' as we are not using any database services for simple application
3. Open a web browser and enter the url as '**app-name.cloudfoundry.com**'
4. Make sure that your application is running using the following command

   a. `$ vmc apps`

5. Update the changes to the application using

   a. `$ vmc update app-name`