**ManageIQ Plugin Development**

Reference Link: <https://github.com/ManageIQ/guides/blob/master/developer_setup/plugins.md>

**Step1:**

Create a fork of the plugin on Github

Click the Fork button and choose "Fork to <yourname>"

**Step2:**

ssh into the VM:

$ ssh -i ~/.ssh/key

where ~/.ssh/key is the location of private key on my machine yours may be different

**Step3:**

Clone the plugin repository at the same directory level (/opt/manageiq) as the core manageiq directory (/opt/manageiq/manageiq)

$ cd /opt/manageiq

$ git clone https://github.com/taleemsiddiqui/manageiq-api.git

After cloning the folder structure should look like this:

$ ls

output

manageiq manageiq-api

We can also make the plugin/ directory inside the core manageiq directory and clone the plugin repository under this directory (The benefit is we have all code under one directory)

**Step4:**

Checkout the plugin repository branch to “ivanchuk”

$ git checkout ivanchuk

$ git pull

$ rm -rf manageiq

$ ln -s /opt/manageiq/manageiq manageiq

**Step5:**

Point the dependency to a local version of your plugin

cd /opt/manageiq/manageiq/bundle.d

touch override.rb

vim opt/manageiq/manageiq/bundle.d/override.rb

paste this line and save and exit from the override.rb file

override\_gem 'manageiq-api’, :path => File.expand\_path(‘/‘opt/manageiq/manageiq-api, \_\_dir\_\_)

**Step6:**

Verify the changes by running the following command and compile the local gem

$ bundle info manageiq-api (it shoud display the path pointing to the local version of the plugin)

$ bin/update

$ bundle install

**Step7:**

Go to the core manageiq directory and restart the rails server

$ cd /opt/manageiq/manageiq

$ bundle exec rails evm:stop

$ bundle exec rails evm:start