**Devops Ninja Program**

**Ansible Assignment Day 2:**

**Task :**

* Fetch and display to STDOUT Ansible facts using the setup module.

sudo ansible all -m setup

* Fetch and display the value of fully qualified domain name (FQDN) of each host from their Ansible facts.

Command:

sudo ansible all  -m setup | grep fqdn

Logs:

       "ansible\_fqdn": "localhost.localdomain",

       "ansible\_fqdn": "vagrant-ubuntu-trusty-64",

       "ohai\_fqdn": "vagrant-ubuntu-trusty-64",

* Fetch and display only the "virtual" subset of facts for each host.

sudo ansible all -m setup -a 'gather\_subset=virtual' |less

* **Display the uptime of all hosts using the command module.**

Command-

sudo ansible all -a uptime

Logs :

192.168.0.105 | SUCCESS | rc=0 >>

16:47:40 up  7:18, 2 users,  load average: 0.08, 0.03, 0.05

192.168.0.108 | SUCCESS | rc=0 >>

16:47:41 up  6:41, 2 users,  load average: 0.00, 0.01, 0.05

* Ping all hosts except the 'control' host using the --limit option

Command :

sudo ansible all -m ping --limit 'all:!centos'

Logs:

192.168.33.88 | SUCCESS => {

   "changed": false,

   "ping": "pong"

}

* **Setup Java8 on the hosts in the "App" group using the apt module.**

Java repo:

sudo ansible app -m apt\_repository -a "repo=ppa:webupd8team/java state=present"

Licence of java :

sudo ansible  test -m debconf -a 'name=oracle-java8-installer question=shared/accepted-oracle-license-v1-1 value=true vt

ype=select'

Logs:

192.168.1.18 | SUCCESS => {

   "changed": false,

   "current": {

       "oracle-java8-installer/local": "",

       "oracle-java8-installer/not\_exist": "",

       "shared/accepted-oracle-license-v1-1": "true",

       "shared/error-oracle-license-v1-1": "",

       "shared/present-oracle-license-v1-1": ""

   },

   "msg": ""

}

Installing java:

sudo ansible  app -m apt -a 'name=oracle-java8-installer state=latest'

sudo ansible  web01 -m apt -a 'name=oracle-java7-installer state=installed’

* **Fetch and display the value of fully qualified domain name (FQDN) of each host from their Ansible facts.**

Command :

sudo ansible all -m setup --tree /etc/facts | grep hostname

Output:

       "ansible\_hostname": "localhost",

* **Setup and enable the EPEL package repository on the hosts in the "web" group using the yum module**

Command :

1. sudo ansible  centos -m yum -a 'name=http://nginx.org/packages/centos/6/noarch/RPMS/nginx-release-centos-6-0.el6.ngx.noarc

h.rpm state=present'

2. sudo ansible centos -m yum -a 'name=epel-release state=latest'

Logs:

192.168.1.36 | SUCCESS => {  
    "changed": true,  
    "msg": "",  
    "rc": 0,  
    "results": [  
        "Loaded plugins: fastestmirror\nLoading mirror speeds from cached hostfile\n \* base: del-mirrors.extreme-ix.org\n \* epel: del-mirrors.extreme-ix.org\n \* extras: del-mirrors.extreme-ix.org\n \* updates: del-mirrors.extreme-ix.org\nResolving Dependencies\n--> Running transaction check\n---> Package epel-release.noarch 0:7-9 will be updated\n---> Package epel-release.noarch 0:7-11 will be an update\n--> Finished Dependency Resolution\n\nDependencies Resolved\n\n================================================================================\n Package                Arch Version Repository Size\n================================================================================\nUpdating:\n epel-release noarch 7-11 epel 15 k\n\nTransaction Summary\n================================================================================\nUpgrade 1 Package\n\nTotal download size: 15 k\nDownloading packages:\nRunning transaction check\nRunning transaction test\nTransaction test succeeded\nRunning transaction\n Updating : epel-release-7-11.noarch                  1/2 \n Cleanup : epel-release-7-9.noarch 2/2 \n Verifying : epel-release-7-11.noarch 1/2 \n Verifying : epel-release-7-9.noarch 2/2 \n\nUpdated:\n epel-release.noarch 0:7-11 \n\nComplete!\n"  
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}