Tendrl Monitoring Integration Installation

```
Vagrant.configure(2) do |config|
  config.vm.box = "centos/7"
  config.ssh.forward_x11 = true
  #config.vm.box = "bento/centos-7.2"
  #config.vm.box = "chef/fedora-20"
  config.ssh.insert_key = false
  VMS = 5
  (0..VMS-1).each do |vm|
    config.vm.define "server#{vm}" do |g|
       g.vm.hostname = "server#{vm}"
       g.vm.network :private_network, type: "dhcp"
       g.vm.provider :virtualbox do |vb|
          vb.memory = 2048
          vb.cpus = 2
       end
    end
  end
end
```

1. Fresh Install centos7
2. Install GNOME

(yum group install "GNOME Desktop" "Graphical Administration Tools")
(ln -sf /lib/systemd/system/runlevel5.target /etc/systemd/system/default.target)
(reboot)

3. Install vagrant and virtual box

(yum install https://releases.hashicorp.com/vagrant/1.9.7/vagrant_1.9.7_x86_64.rpm)
(yum install http://download.virtualbox.org/virtualbox/5.1.26/VirtualBox-5.1-5.1.26_117224_el7-1.x86_64.rpm)
(yum install gcc make)
(yum install kernel-devel-3.10.0-514.26.2.el7.x86_64)
(yum install kernel-devel)
(/sbin/vboxconfig)

4. Use vagrant file above to create 3 vms (vagrant up)
5. Power down gluster vms to add extra a disk through virtualbox gui for gluster bricks then power them back on
6. Connect to each vm (vagrant ssh server#)
7. Get each vms ip address (ip a) eth1

8. Add vms to the /etc/hosts file on all vms
9. Setup gluster on the servers u added the extra disks too
10. Setup the partition for the disks (fdisk /dev/sdb) (n) (enter) (enter) (enter) (enter) (w)
11. I followed this guide https://gluster.readthedocs.io/en/latest/Quick-Start-Guide/Quickstart/
12. I had to install this before step 3 (yum install centos-release-gluster)
13. Install gnome on server you want to use for grafana
    (yum group install "GNOME Desktop" "Graphical Administration Tools")
    (ln -sf /lib/systemd/system/runlevel5.target /etc/systemd/system/default.target)
    (reboot)
14. Follow install guide
    https://github.com/Tendrl/documentation/wiki/Tendrl-Package-Installation-Reference
    Ntpdate: yum install ntpdate
        ntpdate clock.redhat.com
    Make sure you disable SELinux!!!!!!
        vi /etc/selinux/config
        SELINUX=permissive
        reboot
15. Import cluster thru api

(https://github.com/Tendrl/api/blob/master/docs/authentication.adoc)

curl -H 'Content-Type: application/json' -d '{"username":"admin", "password": "adminuser"}' http://127.0.0.1/api/1.0/login

This will return u a access code (Authorization: Bearer) needed for next step

(https://github.com/Tendrl/api/blob/master/docs/nodes.adoc)

curl -XGET -H "Authorization: Bearer ff1bbb78dc20dfbab23e2b23c6a673053563711a0e86d5d45d24dfec42acc29f" http://127.0.0.1/api/1.0/GetNodeList

I took the output from this and put it into a json formatter so i could actually read it and get all the node ids usually at the very end they are all given
https://jsonformatter.curiousconcept.com/

(https://github.com/Tendrl/api/blob/master/docs/clusters.adoc#import-cluster)

curl -XPOST -H "Authorization: Bearer 26de46cddec9ede53dc2c6922c96947ee1a12d4539e85fad10c7f72838117be7" -H "Content-Type: application/json" \-d '{ "node_ids": ["92b6200a-9040-454a-b381-e664f4811f34", "6f2cd079-df02-432f-bc65-262f1268ef68"], "sds_type":"gluster"}' http://127.0.0.1/api/1.0/ImportCluster

This should import the cluster