**Bridgelt kártya esetén:**

# -\*- mode: ruby -\*-

# vi: set ft=ruby :

# Generated by VagrantGUI v0.2.0.4

Vagrant.configure("2") do |config|

config.vm.box = "generic/ubuntu2204"

config.vm.hostname = "VUbi1"

config.vm.provider "virtualbox" do |prov|

prov.memory = "1024"

prov.cpus = 1

prov.name = "VUbi1"

end

config.vm.network "public\_network", auto\_config: false, bridge: "ASIX AX88179A USB 3.2 Gen1 to Gigabit Ethernet Adapter", ip: "192.168.201.201"

config.vm.provision "shell", run: "always", inline: "localectl set-locale LANG=hu\_HU.UTF-8"

config.vm.provision "shell", run: "once", inline: <<-SHELL

apt update

apt -y upgrade

apt -y install docker.io glusterfs-server git ntp

echo " eth1:" >> /etc/netplan/01-netcfg.yaml

echo " dhcp4: false" >> /etc/netplan/01-netcfg.yaml

echo " addresses: [192.168.201.201/24]" >> /etc/netplan/01-netcfg.yaml

echo " routes:" >> /etc/netplan/01-netcfg.yaml

echo " - to: default" >> /etc/netplan/01-netcfg.yaml

echo " via: 192.168.201.254" >> /etc/netplan/01-netcfg.yaml

echo " nameservers:" >> /etc/netplan/01-netcfg.yaml

echo " addresses: [192.168.201.254]" >> /etc/netplan/01-netcfg.yaml

echo " dhcp6: false" >> /etc/netplan/01-netcfg.yaml

netplan apply

echo "net.ipv6.conf.all.disable\_ipv6 = 1" >> /etc/sysctl.conf

adduser vagrant docker

systemctl enable --now glusterd

mkdir /apps

SHELL

end

IP-k cserélődnek mindenhol!!!

**GlusterFS kialakítás:**

systemctl status glusterd.service

**Manager gépen:**

gluster peer probe 192.168.201.202

gluster peer probe 192.168.201.203

gluster peer status

gluster pool list

gluster volume create appsvol replica 3 192.168.201.201:/gluster-storage 192.168.201.202:/gluster-storage 192.168.201.203:/gluster-storage force

gluster volume start appsvol

gluster volume status

**Minden gépen:**

# mkdir /apps

mount -t glusterfs 192.168.201.201:/appsvol /apps

echo 'localhost:/appsvol /apps glusterfs defaults,noauto,x-systemd.automount 0 0' |sudo tee -a /etc/fstab

chown root:docker /apps

**Valamelyik gépen (pl.: manager):**

# mkdir /apps/uzenofal

cd /apps

git clone [https://github.com/walakix/uzenofal\_full.git](https://github.com/walakix/uzenofal.git)

mv uzenofal\_full/uzenofal\_app.tar.gz .

rm -r uzenofal\_full

tar -xzvf uzenofal\_app.tar.gz

rm uzenofal\_app.tar.gz

**Swarm cluster kialakítás**

docker swarm init --advertise-addr 192.168.201.201

**Kiirt parancs másik gépen majd! Később lekérdezni:**

docker swarm join-token worker

docker node ls

**Másik 2 gépen:**

docker swarm join --token SWMTKN-1-4l4gf136a4t8tkzd6n9z8mcp4k2928u2zyagcqklg0xuoauu33-au96zaewfqolhotwsaw938jas 192.168.201.201:2377

docker node ls

**Swarm overlay network felvétele**

**Manager gépen**

docker network create -d overlay sk\_network

docker network inspect sk\_network

**Swarm szolgáltatások indítása:**

docker service create **--name uzenofal\_ab** --mount source=**/apps/uzenofal/ab**,target=**/var/lib/mysql**,type=bind --publish 3306:3306 --network sk\_network **mysql/mysql-server:latest**

docker service list

docker service ps uzenofal\_ab

docker service create --name uzenofal\_web **-e MYSQL\_SERVER\_IP=192.168.**201**.201 -e HOSTNAME\_ORIG=**{{.Node.Hostname}}--mount source=**/apps/uzenofal/web**,target=**/var/www/html**,type=bind --publish 888:80 --network sk\_network **walaki/apache2\_php-mysql:0.1**

docker service list

docker service ps uzenofal\_web

docker service scale uzenofal\_web=3

docker service ps uzenofal\_web

docker node ls

docker node update --label-add nodeid=VUbi1 VUbi1

docker node update --label-add nodeid=VUbi2 VUbi2

docker node update --label-add nodeid=VUbi3 VUbi3

docker node update --label-add manager VUbi1

docker node inspect VUbi1

docker service create --name revproxy --mount source=**/apps/**uzenofal/**revproxy**,target=**/etc/nginx/conf.d**,type=bind --network host --constraint node.labels.nodeid==VUbi1 **nginx:latest**

docker service list

docker container ls

docker container stop <ID>

docker service rm uzenofal\_web

docker service rm uzenofal\_ab

index.php-be:

echo getenv(‘HOSTNAME\_ORIG’).” - “.getHostByName(gethostname())." - ".$\_SERVER['HTTP\_HOST'] ."<br>";

db\_newrecord($msg,$\_SERVER['HTTP\_X\_REAL\_IP']);