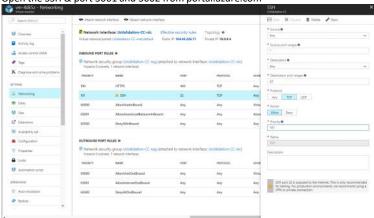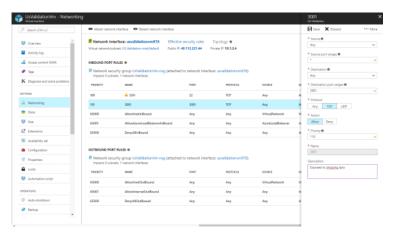# GVA Virtual Machine Setup - Internal

Monday, February 05, 2018   11:17 AM

Create a new VM in Azure. Set your public key for ssh access.
Open the SSH & port 3001 and 3002 from portal.azure.com

Refer the folloing article to used ssh keys to log into your vm:
https://docs.microsoft.com/en-us/azure/virtual-machines/linux/ssh-from-windows
https://www.cyberciti.biz/faq/create-ssh-config-file-on-linux-unix/

Copy the GVA Env file to your VM

```
$ ssh yourVM "mkdir -p ~/private"
$ scp ./src/gva.evn yourVM:~/private/
```

Update the ./tools/scripts/dockerLogin.sh with the credentials to point to your docker repo.

Copy the VM scripts to your VM

```
$ scp ./tools/scripts/* yourVM:~/
```

Log into the VM.. If you are behind the Proxy, run this command:

```
$ ssh -o ProxyCommand='connect -S your-proxy-server.com:80 %h %p'   ubuntu@xxx.xxx.xxx.xxx
```

Give execute permission to the script files:

```
$ chmod +x *.sh
```

Install docker:

```
$ sudo apt install docker.io
```

Add docker to sudoer group, and then logout for it to take affect:

```
$ sudo groupadd docker
$ sudo usermod -a -G docker $USER
$ sudo reboot
```

Login to docker registry:

```
$ ./dockerLogin.sh
```

Pull the latest GVA image:
```
$ docker pull {Docker Image ID}
```

Verify that the images are available locally:
```
$ docker images
```

Setup the env:
```
$ set -a; source private/gva.env; set +a
```

Run the GVA docker image:
```
$ ./runGva.sh 8b15195fbb99
here are the available images (just in case)
REPOSITORY                                              TAG           IMAGE ID          CREATED        SIZE
intelcastlecanyoncontainer.azurecr.io/cc-dev-builds     test5         8b15195fbb99      5 days ago     958 MB
IMAGE_ID is 8b15195fbb99
gva vars are setup...
0740832fb6725c102230820f7c08be7f83f334c004e740204fd9227b0526271a
```

User the docker container ID to enter the container:
```
$ ./entercontainer.sh gva
```

Once Inside the container, check if all the processes are running:
```
ubuntu@0740832fb672:/$ pm2 list

┌───────────────┬─────┬───────┬───────┬──────────┬──────────┬────────┬───────┬───────────┬──────────┬────────────┐
│ App name      │ id  │ mode  │ pid   │ status   │ restart  │ uptime │ cpu   │ mem       │ user     │ watching   │
├───────────────┼─────┼───────┼───────┼──────────┼──────────┼────────┼───────┼───────────┼──────────┼────────────┤
│ gwlistener    │ 0   │ fork  │ 21    │ online   │ 0        │ 15s    │ 0%    │ 71.7 MB   │ ubuntu   │ disabled   │
│ gwmessenger   │ 2   │ fork  │ 57    │ online   │ 0        │ 13s    │ 0%    │ 71.8 MB   │ ubuntu   │ disabled   │
│ keystore      │ 1   │ fork  │ 41    │ online   │ 0        │ 14s    │ 0%    │ 72.8 MB   │ ubuntu   │ disabled   │
│ shippingapi   │ 3   │ fork  │ 73    │ online   │ 0        │ 12s    │ 0%    │ 79.6 MB   │ ubuntu   │ disabled   │
└───────────────┴─────┴───────┴───────┴──────────┴──────────┴────────┴───────┴───────────┴──────────┴────────────┘
```