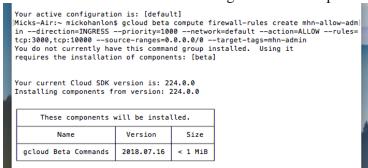
Mick O'Hanlon Week 9 Homework Report mjo4rk

Milestone 1: Create MHN Admin VM

• Created firewall to allow ingress traffic on ports 3000 and 10000



• Internal and external IP:

```
NAME ZONE MACHINE_TYPE PREEMPTIBLE INTERNAL_IP EXTERNAL_IP STATUS
mhn-admin us-central1-c f1-micro 10.128.0.2 35.232.251.199 RUNNING
Micks-Air:~ mickohanlon$
```

Establish SSH Access:

Milestone 2: Install the MHN Admin Application

Update apt

```
Get:23 http://us-centrali.gee.archive.ubuntu.com trusty-backports/main Translation-en [
Get:24 http://us-centrali.gee.archive.ubuntu.com trusty-backports/main Translation-en [
Get:25 http://us-centrali.gee.archive.ubuntu.com trusty-backports/main Translatio
Get:25 http://us-centrali.gee.archive.ubuntu.com trusty-backports/main/main-get:27 http://us-centrali.gee.archive.ubuntu.com trusty/main Sources [1,864 kB]
Get:28 http://us-centrali.gee.archive.ubuntu.com trusty/main-sources [1,864 kB]
Get:28 http://us-centrali.gee.archive.ubuntu.com trusty/main-sources [1,864 kB]
Get:28 http://us-centrali.gee.archive.ubuntu.com trusty/main-sources [1,864 kB]
Get:31 http://archive.cannonical.com trusty/partner-and-pass gources [174 kB]
Get:31 http://archive.cannonical.com trusty/partner-and-pass gources [174 kB]
Get:33 http://s-centrali.gee.archive.ubuntu.com trusty/partner-and-pass gources [174 kB]
Get:33 http://s-centrali.gee.archive.ubuntu.com trusty/partner-and-pass gources [174 kB]
Get:33 http://s-centrali.gee.archive.ubuntu.com trusty/partner-and-pass gources [174 kB]
Get:33 http://archive.cannonical.com trusty-security InBelease [65:9 kB]
Inh http://us-centrali.gee.archive.ubuntu.com trusty/partner-and-pass gources [174 kB]
Get:33 http://archive.cannonical.com trusty-security InBelease [65:9 kB]
Get:34 http://s-centrali.gee.archive.ubuntu.com trusty/partner-and-pass gources [174 kB]
Get:36 http://s-centrali.gee.archive.ubuntu.com trusty/partner-and-pass gources [174 kB]
Get:37 http:
```

Install get

Get:1 http://us-centrall.gec.Brchave.ubuntu.com
Get:2 http://us-centrall.gec.archive.ubuntu.com
Get:2 http://us-centrall.gec.archive.ubuntu.com
Get:3 http://us-centrall.gec.archive.ubuntu.com
Fetched 3,054 kB in 8; (41,2 MM/5)
Selecting previously unselected package liberro
(Reading database ... 42034 files and director
Preparing to unpack ... /liberror-perl_0,17-1.1
Unpacking liberror-perl_(0,17-1.1) ...
Selecting previously unselected package git-mai
Preparing to unpack ... /git-man_183a1.9.1-ubun
Unpacking git-man_(11:0,1-1-ubuntue.0) ...
Selecting previously unselected package git
Unpacking git (1:10,9-1-lubuntue.0) ...
Setting up git-man_(1:10,9-1-ubuntue.0)

• Start script running ign nttp://us-centrali.gce.arcnive.upuntu.com trusty/multiverse iranslation Ign http://us-central1.gce.archive.ubuntu.com trusty/restricted Translation Ign http://us-central1.gce.archive.ubuntu.com trusty/universe Translation-e Hit http://security.ubuntu.com trusty-security/universe Sources Hit http://archive.canonical.com trusty/partner amd64 Packages Hit http://security.ubuntu.com trusty-security/main amd64 Packages Hit http://archive.canonical.com trusty/partner Translation-en Hit http://security.ubuntu.com trusty-security/universe amd64 Packages Hit http://security.ubuntu.com trusty-security/main Translation-en Hit http://security.ubuntu.com trusty-security/universe Translation-en

Error with logging into Github on the terminal.

remote: Repository not found.
fatal: repository 'https://github.com/HurricaneLabs/pyev.git/' not found Command "git clone -q https://github.com/HurricaneLabs/pyev.git /opt/hpfeeds/env/src/pyev" failed with error code 128 in None mickohanlon@mhn-admin:/opt/mhn\$

Milestone 3: Create a MHN Honeypot VM

Create firewall rule

mickohanlon@mhn-admin:/opt/mhn\$ gcloud beta compute firewall-rules create mhn-allow-honeypot --direction=INGRESS --priority=1000 --network=d efault --action=ALLOW --rules=all --source-ranges=0.0.0.0/0 --target-tags=mhn-honeypot Creating firewall...

Create VM for honeypot:

|mickohanlon@mhn-admin:/opt/mhn\$ gcloud compute instances create "mhn-honeypot-1" --machine-type "f1-micro" --subnet "default" --maintenance-policy "MIGRATE" --scopes "https://www.googleapis.com/auth/devstorage.read_only", "https://www.googleapis.com/auth/logging.write", "https://www.googleapis.com/auth/monitoring.write", "https://www.googleapis.com/auth/servicecontrol", "https://www.googleapis.com/auth/service.managemen t.readonly", "https://www.googleapis.com/auth/race.append" --tags "mhn-honeypot", "http-server" --image "ubuntu-1404-trusty-v20171010" --imag e-project "ubuntu-os-cloud" --boot-disk-size "10" --boot-disk-type "pd-standard" --boot-disk-device-name "mhn-honeypot-1"

SSH to VM:

```
|E . + 0
|.0 BS
|+ . X .
|0.. B +
```

Milestone 4: Install the Honeypot Application

• Firewall is set up:



- Deployed script
- New honeypot under sensors tab

Milestone 5: Attack!

• Ran into a problem installing nmap

References