Asure Cloud Infrastructure - Setup, Usage and Functionality

ALL ASURE VIRTUAL SERVERS ARE ON RESOURCE GROUP: RED TEAM

1. Create two Virtual Networks (Red Team VN and Red Team VN2)

Set the following criteria and configurations to establish a Virtual Network:

- -Search the Azure portal for 'virtual network', then click 'Add'
 - Name: Red Team VN and Red Team VN2
 - Subscription type: Azure Subscription 1
 - Resource Group: Red_Team
 - Region: West US 2 and East US 2
 - Default network and subnet IP Addresses: 10.0.0.0/16 and 10.1.0.0/16
 - Security Tab
 - -BastionHost: Disable
 - -DDoS Protection Standard: Disabled
 - -Firewall: Disable
 - No tags are needed
 - Click 'Review + Create'

2. Create two Network Security Groups (Red_Team_Security_Group and ELKServer-nsg)

-Search the Azure portal for 'network', choose Network security groups, then click 'Add'

- Subscription type: Azure Subscription 1
- Resource Group: Red Team
- Name: Red Team Security Group and ELKServer-nsg
- Region: West US 2 and East US 2
- Click 'Review + Create'

Restrict access to Network Security Groups

- -On the Asure Website, Click on Network Security Group of Red_Team_Security_Group, click on 'Inbound Security Rules', then 'Add' 2 rules
 - 1 Restrict ALL Inbound Network Traffic
- -Name: DenyAllInBound, Port: Any, Protocol: Any, Source: Any, Destination: Any, Action: Block /Deny

2 - Allow Inbound Network Traffic from Public IP Address

-Name: Public SSH SSH, Source: IP Address, Source IP Address: <Public IP Address(s) here>, Source Port Range: *, Destination: VirtualNetwork, Service: SSH, Destination Port Ranges: 22, Protocol: TCP, Action: Allow, Priority: 120, Description: SSH Inbound Traffic from Public IP Address

3. Jump-Box-Provisioner Server (1 CPU and 1 GB RAM)

Public IP: 20.83.225.130 Private IPs: 10.0.0.15

Description / Functionality

Our jump box is essentially a gateway router, which is exposed to the public internet utilizing it's SSH Port (#22). This server sits in front of other the other virtual machines (Load Balancer, Web Servers, ELK Server) which are not directly exposed to the public internet

It controls access to the other machines by allowing connections from specific IP addresses and forwarding network traffic to our other VMs

Virtual Network:

Red_Team_VM (Peered to Red_Team_VM2)

Network Security Group:

Red Team Security Group

Location:

West US 2 (Zone 1)

Virtual Hardware Setup Process:

Create New JumpBox Virtual Machine

- -Log into Asure website (https://portal.azure.com/) with Username and Password
- -'Create New' VM in Asure with the following criteria:
 - -Subscription: Azure subscription 1 -Resource Group: Red Team VM
 - -Virtual Machine Name: Jump-Box-Provisioner
 - -Region: West US 2 (Zone 1)
 - -Availability Options: Availability Zone
 - -Availability Zone: 1
 - -Image: Ubuntu Server 20.04 LTS Gen 1 -Size: Standard B1s (1 vcpus, 1 GiB memory) -Authentication Type: SSH Public Key
 - -Username: azadmin
 - -SSH public key source: Select 'Use existing public key'
 - -Run GitBash command 'ssh-keygen' to generate SSH Public Key. Use for JumpBox and Web Servers

-Enter SSH Public Key:

ssh-rsa

AAAAB3NzaC1yc2EAAAADAQABAAABAQCaCP2uNoG5LxdRHg74ZXiy4U5OFtUnts3JbqpPTA1ENKuyyuXNdSDHYgvMyZXA5xCQY4G0EZrXtpzraxGt4R9m1TT3SOC01AwRZX7IHa3gLqPtoU5cPVZDQ1SeQg5N9ZVBDm2z9FiRHRMZ724eoF7yoOeHQH6skBRv7jMcTdnetXvWYKvYD+6c9z118jeGYQJI8AHH7w4YK7xB5rBO+LQMB0TDe4Pu80aan05oJiDKcDEGCjYeconxfu8xI+DUvdAPgm1W+quwdYZyLN6j1IPbr2Rkstu83o4+1yZFWgXtzjkHsr7fj2GGxVZw4vkh8dgqG3CQzD1mnccKy/IM1Dwxroot@3ca40a6a9d6b

- -Public inbound ports: Select 'Allow selected ports'
- -Select inbound ports: Select 'SSH (22)
- -Click 'Review and Create'

Create Docker / Ansible Container on JumpBox

-SSH into Jump Box

Command: ssh azadmin@20.83.225.130

-Update and Upgrade Jumpbox

Command: sudo apt-get update && apt-get upgrade

-Install docker.io container

-Command: sudo apt install docker.io

-Check Status of docker.io container Command: sudo systemctl status docker

-Start to docker.io container

Command: sudo systemctl start docker

-Download specific docker container

Command: sudo docker pull cyberxsecurity/ansible

-Launch and Log into new docker container

Command: sudo docker run -ti cyberxsecurity/ansible:latest bash

-List all containers on JumpBox

Command: sudo docker container list -a

Command: sudo docker ps

-Start and attach to docker.io container

Command: sudo docker start <container name>
Command: sudo docker attach <container name>

-Navigate to ansible folder Command: cd /etc/ansible/

Edit Ansible Config File

-Create an ansible configuration file (command: nano ansible.cfg) that installs an Ansible Docker container and configures it (file: ansible.cfg)

-Edit ansible.cfg file in the following section:
default user to use for playbooks if user is not specified
(/usr/bin/ansible will use current user as default)

remote_user = azadmin

-GitBash screen should look similar to:

```
♦ root@3ca40a6a9d6b: ~
                              NAMES
3ca40a6a9d6b
                   cyberxsecurity/ansible:latest
cool_stonebraker
                                                                 "bash"
                                                                                                      2 weeks ago Exited (0) 3 ho
 rs ago
Lca9b3e39f1
                   cool_stonebraker
cyberxsecurity/ansible:latest "bash"
busy_keller
cyberxsecurity/ansible:latest "/bin/bash -o pipefa..."
relaxed_swirles
                                                                                                      2 weeks ago
                                                                                                                          Exited (0) 2 we
9f3fb4c6981c
                                                                                                      2 weeks ago
                                                                                                                         Exited (0) 2 we
450dc2e09e4 cyberxsecurity/ubuntu:bionic "/bin/bash"
eeks ago trusting_swanson
izadmin@Jump-Box-Provisioner:~$ sudo docker start cool_stonebraker
                                                                                                                         Exited (127) 2
1450dc2e09e4
                                                                                                      2 weeks ago
 zadmin@Jump-Box-Provisioner:~$ sudo docker attach cool_stonebraker
```

Restrict access to the JumpBox Server

-On the Asure Website, Click on Network Security Group of Jump-Box-Provisioner-nsg, click on 'Inbound Security Rules', then 'Add' 3 rules

1 - Restrict ALL Inbound Network Traffic

-Name: DenyAllInBound, Port: Any, Protocol: Any, Source: Any, Destination: Any, Action: Deny

2 - Allow Inbound Network Traffic from Public IP Address

-Name: JumpBox SSH, Source: IP Address, Source IP Address: <Public IP Address(s) here>, Source Port Range: *, Destination: VirtualNetwork, Service: SSH, Destination Port Ranges: 22, Protocol: TCP, Action: Allow, Priority: 120, Description: SSH Inbound Traffic from Public IP Address to Jump-Box Server

3 - Allow Outbound Network Traffic from Jumpbox

-Name: SSHFromJumpBox, Source: IP Address, Source IP Address: 10.0.0.15, Source Port Range: *, Destination: VirtualNetwork, Service: Custom, Destination Port Ranges: *, Protocol: Any, Action: Allow, Priority: 110, Description: From Public IP Address to Elk VM, via Port 5601

JumpBox Installation Files (Located on Jumpbox Ansible Container):

JumpBox Host file (cd /etc/ansible/ansible.cfg)

GitHub url: https://github.com/Jbrowne81/CyberWarrior/blob/main/Yaml_Files/ansible.cfg

How to Access JumpBox Server / Usage (from Laptop or Desktop GitBash Terminal):

-SSH into Jump Box

Command: ssh azadmin@20.83.225.130

-Run Update and Upgrade

Command: sudo apt-get update && apt-get upgrade

4. Web Servers #1, #2 (1 CPU and 2 GB RAM)

Public IP: 13.66.246.231 (Load Balancer) Private IPs: 10.0.0.10 and 10.0.0.11

Description / Functionality

A web server distributes web pages as they are requisitioned. It's objective is to store, process and deliver web pages to users using Hypertext Transfer Protocol (HTTP).

When a user requests for a website by adding the URL or web address on a web browser's address bar (i.e. www.cnn.com), the browser sends a request to the Internet for viewing the web page for that address. A Domain Name Server (DNS) converts this URL to an IP Address (For example 192.168.216.345), which in turn points to a Web Server.

The Web Server is requested to present the content website to the user's browser. All websites on the Internet have a unique identifier in terms of an IP address. This Internet Protocol address is used to communicate between different servers across the Internet. Apache server is the most common web server available in the market

[Source: https://economictimes.indiatimes.com/definition/web-server]

Virtual Network:

Red Team VM (Peered to Red Team VM2)

Network Security Group:

Red_Team_Security_Group

Location:

West US 2 (Zone 1)

Virtual Hardware Setup Process:

Create New Web Servers (web-1 and web-2)

- -Log into Asure website (https://portal.azure.com/) with Username and Password
- -'Create New' VM in Asure with the following criteria:
 - -Subscription: Azure subscription 1 -Resource Group: Red_Team_VM
 - -Virtual Machine Name: web-1 / web-2
 - -Region: West US 2 (Zone 1)
 - -Availability Options: Availability Zone
 - -Availability Zone: 1
 - -Image: Ubuntu Server 20.04 LTS Gen 1 -Size: Standard B1s (1 vcpus, 2 GiB memory)
 - -Authentication Type: SSH Public Key
 - -Username: azadmin
 - -SSH public key source: Select 'Use existing public key'

-Enter SSH Public Key:

ssh-rsa

AAAAB3NzaC1yc2EAAAADAQABAAABAQCaCP2uNoG5LxdRHg74ZXiy4U5OFtUnts3JbqpPTA1ENKuyyuXNdSDHYg vMyZXA5xCQY4G0EZrXtPZraxGt4R9m1TT3SOC01AwRZX7IHa3gLqPtoU5cPVZDQ1SeQg5N9ZVBDm2z9FiRHRMZ 724eoF7yoOeHQH6skBRv7jMcTdnetXvWYKvYD+6c9z118jeGYQJI8AHH7w4YK7xB5rBO+LQMB0TDe4Pu8Oaan05oJiDKcDEGCjYeconxfu8xI+DUvdAPgm1W+quwdYZyLN6j1IPbr2Rkstu83o4+1yZFWgXtzjkHsr7fj2GGxVZw4vkh8dgqG3CQzD1mnccKy/IM1DwX root@3ca40a6a9d6b

- -Public inbound ports: Select 'Allow selected ports'
- -Select inbound ports: Select 'SSH (22)
- -Click 'Review and Create'

Config Web VMs with Docker (1st Step)

-Create new Ansible host file (command: nano hosts). Then, edit the hosts.yml file by adding the following:

[webservers]

10.0.0.10 ansible_python_interpreter=/usr/bin/python3 10.0.0.11 ansible_python_interpreter=/usr/bin/python3

Config Web VMs with Docker (2nd Step)

- -Create a playbook (command: nano pentest.yml) that installs an Ansible Docker container and configures it (file: pentest.yml)
- -Run pentest.yml, with command: ansible-playbook pentest.yml
- -GitBash screens should look similar to:

Restrict access to the Web Servers

- -On the Asure Website, Click on Network Security Group of Web-1-nsg and Web-2-nsg, click on 'Inbound Security Rules', then 'Add' 3 rules
 - 1 Restrict ALL Inbound Network Traffic
- -Name: DenyAllInBound, Port: Any, Protocol: Any, Source: Any, Destination: Any, Action: Block / Deny

2 - Allow Inbound Network Traffic from Public IP Address

-Name: Web1ServerInboundRule, Source: IP Address, Source IP Address: <Public IP Address(s) here>, Source Port Range: *, Destination: VirtualNetwork, Service: SSH, Destination Port Ranges: 22, Protocol: TCP, Action: Allow, Priority: 120, Description: SSH Inbound Traffic from Public IP Address to Web Server

3 - Allow Inbound SSH Network Traffic

-Name: SSH, Source: IP Address, Source IP Address: *, Source Port Range: *, Destination: VirtualNetwork, Service: SSH, Destination Port Ranges: 22, Protocol: TCP, Action: Allow, Priority: 140, Description: Allow Inbound SSH Network Traffic

Web Server Installation Files (Located on Jumpbox Ansible Container):

JumpBox Host file (cd /etc/ansible/ansible.cfg)

GitHub url: https://github.com/Jbrowne81/CyberWarrior/blob/main/Yaml_Files/ansible.cfg

JumpBox Host file (cd /etc/ansible/hosts.yml)

GitHub url: https://github.com/Jbrowne81/CyberWarrior/blob/main/Yaml Files/hosts.yml

JumpBoxr Install file (cd /etc/ansible/pentest.yml)

GitHub url: https://github.com/Jbrowne81/CyberWarrior/blob/main/Yaml_Files/pentest-yml.yml

How to Access JumpBox Server / Usage (from Laptop or Desktop GitBash Terminal):

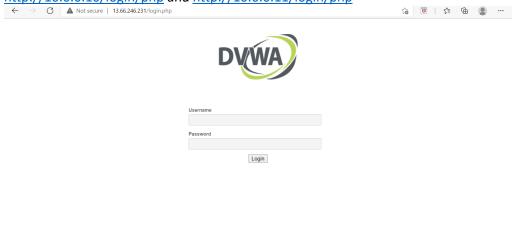
-SSH into Jump Box

Command: ssh azadmin@20.83.225.130

-Run Update and Upgrade

Command: sudo apt-get update && apt-get upgrade

Verify that you can access your new ELK server by navigating to the Kibana website: http://10.0.0.10/login/php and http://10.0.0.11/login/php



Load Balancer

Public IP: 13.66.246.231

Description / Functionality

A load balancer provides a website an external IP address that is accessed by the internet. This server receives network traffic that comes into the website and distributes it across multiple web servers

As the website receives more traffic, more servers can be added to the group ("pool") of servers that the load balancer has access to. This helps distribute traffic evenly among the servers and mitigates DoS attacks

A load balancer typically also has a **health probe** function to regularly check all of the web servers behind it, checking their status before sending traffic to them. Web VMs with issues are reported, and

the load balancer stops sending traffic to those servers. A load balanced configuration is much more resilient against a DDOS attack than if a single server was running the website.

Virtual Network:

Red_Team_VM (Peered to Red_Team_VM2)

Network Security Group:

Red_Team_Security_Group

Location:

West US 2 (Zone 1)

Virtual Hardware Setup Process:

Create New Load Balancer Server

- -Log into Asure website (https://portal.azure.com/) with Username and Password
- -'Create New' Load Balancer in Asure with the following criteria:
 - -Subscription: Azure subscription 1
 - -Resource Group: Red_Team
 - -Load Balancer Name: RedTeamLB
 - -Region: West US 2 (Zone 1)
 - -Type: Public -SKU: Standard
 - -Tier: Regional
 - -Public IP Address: Create New
 - -Public IP Address Name: RedTeamLB
 -Public IP Address SKU: Standard
 - -IP address assignment: Static
 - -Availability Zone: 1
 - -Add a public IPv6 address: No
 - -Routing Preference: Microsoft network

Add a Health Probe

- -Click Health Probes, then Add...
- -Name: RedTeamHealthProbe
- -Protocol: TCP
- -Port: 80
- -Interval: 5
- -Unhealthy Threshold: 2
- -Used by: RTLBRuleInbound
- -Click on 'Save'

Add a Backend Pool

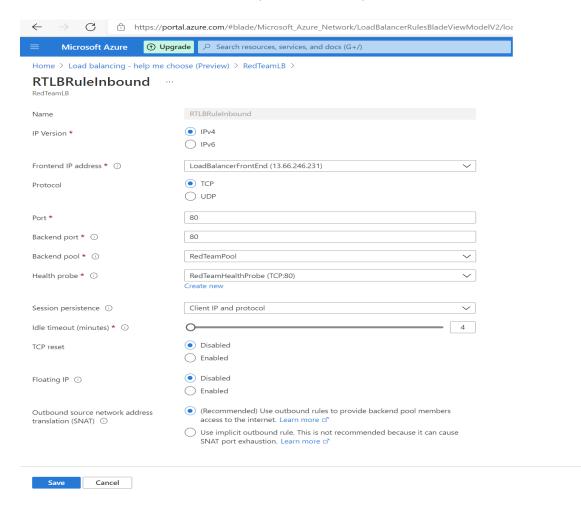
- -Name: RedTeamPool
- -Virtual Network: Red_Team_VN-Backend Pool Configuration: NIC
- -IP Version: IPv4
- -Virtual Machines: Add, then select web-1 and web-2



Create Inbound and Outboud Network Rules

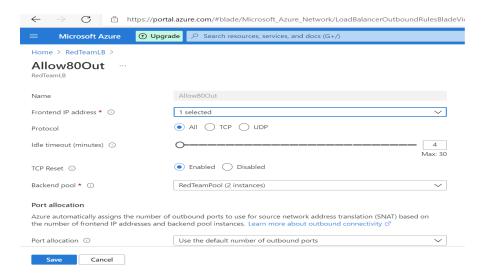
1 - Allow Inbound Network Traffic

-Name: RTLBRuleInbound, IP Version: IPv4, Frontend IP address: LoadBalancerFrontEnd (13.66.246.231), Protocol: TCP, Port: 80, Backend port: 80, Backend pool: RedTeamPool, Health probe: RedTeamHealthProbe (TCP:80), Session persistence: Client and protocol, Idle timeout (minutes): 4, TCP reset: Disabled, Floating IP: Disabled, Outbound source network address translation (SNAT): (Recommended) Use outbound rules to provide backend pool members access to the internet.



2 - Allow Outbound Network Traffic

-Name: Allow80Out, Frontend IP Address: LoadBalancerFrontEnd (13.66.246.231), Protocol: All, Idle Timeout (minutes): 4, TCP Reset: Enabled, Backend pool: RedTeamPool (2 instances), Port allocation: Use the default number of outbound ports



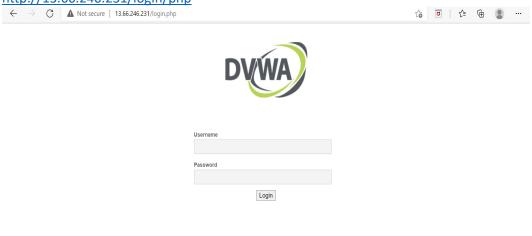
Web Server Installation Files (Located on Jumpbox Ansible Container): None

How to Access JumpBox Server / Usage (from Laptop or Desktop GitBash Terminal):

-SSH into Jump Box

Command: ssh azadmin@20.83.225.130

Verify that you can access your new ELK server by navigating to the Kibana website: http://13.66.246.231/login/php



ELK Server (2 CPUs and 8 GB RAM)

Public IP: 20.62.88.5 Private IP: 10.1.0.4

Description / Functionality

ELK is an open-source technology comprised of 3 components

- Elasticsearch: Search and analytics engine, a special database for storing log data
- Logstash: Server-side data processing pipeline that sends data to Elasticsearch, a tool that makes it easy to collect logs
- Kibana: Tool for visualizing Elasticsearch data with charts and graphs
- -2 Beat Tools: Used to Monitor Web Server Traffic (Filebeats and Metricbeats)

Virtual Network:

Red_Team_VM2 (Peered to Red_Team_VM)

Network Security Group:

ELKServer-nsg

Location:

East US 2 (Zone 1)

Virtual Hardware Setup Process:

Create New ELK Server Virtual Machine

- -Log into Asure website (https://portal.azure.com/) with Username and Password
- -'Create New' VM in Asure with the following criteria:
 - -Subscription: Azure subscription 1 -Resource Group: NetworkWatcherRG
 - -Virtual Machine Name: ELKServer

-Region: East US 2 (Zone 1)

- -Availability Options: Availability Zone
- -Availability Zone: 1
- -Image: Ubuntu Server 20.04 LTS Gen 1
- -Size: Standard D2s v3 (2 vcpus, 8 GiB memory)
- -Authentication Type: SSH Public Key
- -Username: azadmin
- -SSH public key source: Select 'Use existing public key'
- Enter SSH Public Key:

ssh-rsa

AAAAB3NzaC1yc2EAAAADAQABAAABAQCaCP2uNoG5LxdRHg74ZXiy4U5OFtUnts3JbqpPTA1ENKuyyuXNdSDHYg vMyZXA5xCQY4G0EZrXtpzraxGt4R9m1TT3SOC01AwRZX7IHa3gLqPtoU5cPVZDQ1SeQg5N9ZVBDm2z9FiRHRMZ 724eoF7yoOeHQH6skBRv7jMcTdnetXvWYKvYD+6c9z118jeGYQJI8AHH7w4YK7xB5rBO+LQMB0TDe4Pu8Oaan0 5oJiDKcDEGCjYeconxfu8xI+DUvdAPgm1W+quwdYZyLN6j1IPbr2Rkstu83o4+lyZFWgXtzjkHsr7fj2GGxVZW 4vkh8dgqG3CQzD1mnccKy/IM1DWX root@3ca40a6a9d6b

- -Public inbound ports: Select 'Allow selected ports'
- -Select inbound ports: Select 'SSH (22)
- -Click 'Review and Create'

Create Docker Container on ELK Server

-Edit Ansible host file (command: nano hosts). Make sure to edit the hosts.yml file by adding the following:

[elk]

10.1.0.4 ansible python interpreter=/usr/bin/python3

- -Create a playbook (command: nano install-elk.yml) that installs a Docker container and configures it (file: install-elk.yml)
- -Run install-elk.yml, with command: ansible-playbook install-elk.yml
- -GitBash Screen should look similar to:

Restrict access to the ELK VM

-On the Asure Website, Click on Network Security Group of ELKServer-nsg, click on 'Inbound Security Rules', then 'Add' 3 rules

- 1 Restrict ALL Inbound Network Traffic
- -Name: DenyAllInBound, Port: Any, Protocol: Any, Source: Any, Destination: Any, Action: Block / Deny
 - 2 Allow Inbound Network Traffic from Public IP Address
- -Name: ElkInBound, Source: IP Address, Source IP Address: <Public IP Address(s) here>, Source Port Range: *, Destination: VirtualNetwork, Service: Custom, Destination Port Ranges: 5601, Protocol: Any, Action: Allow, Description: From Jumpbox Private IP Address to Elk VM, via Port 22 (SSH)
 - 3 Allow Inbound Network Traffic from Jumpbox
- -Name: ElkInBound, Source: IP Address, Source IP Address: 10.0.0.4, Source Port Range: *, Destination: VirtualNetwork, Service: Custom, Destination Port Ranges: 5601, Protocol: TCP, Action: Allow, Description: From Public IP Address to Elk VM, via Port 5601

Elk Server Installation Files (Located on Jumpbox Ansible Container):

Elk Server Host file (cd /etc/ansible/hosts.yml)

GitHub url: https://github.com/Jbrowne81/CyberWarrior/blob/main/Yaml_Files/hosts.yml

Elk Server Install file (cd /etc/ansible/install-elk.yml)

GitHub url: https://github.com/Jbrowne81/CyberWarrior/blob/main/Yaml Files/install-elk.yml

How to Access ELK Server / Usage (from Laptop or Desktop GitBash Terminal):

-SSH into Jump Box

Command: ssh azadmin@20.83.225.130

-Run Update and Upgrade (weekly)

Command: sudo apt-get update && apt-get upgrade

-List all the containers created on the system:

Command: sudo docker container list -a

-Start and Attach the JumpBox Container

Command: sudo docker start < Container Name > Command: sudo docker attach < Container Name >

-SSH Connect from Jumpbox Container to New ELK Server

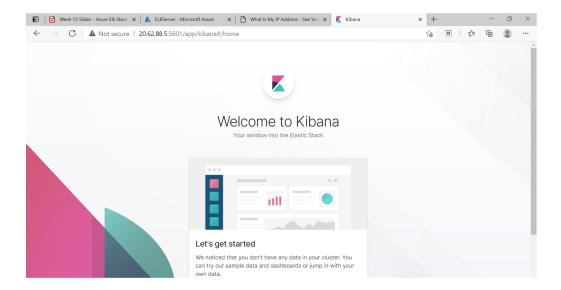
Command: ssh azadmin@10.1.0.4

-GitBash Screen should look similar to:

```
azadmin@ELKServer.~

azadmin@Jump-Box-Provisioner:-$ ls
azadmin@Jump-Box-Provisioner:-$ sudo docker container list -a
COMMAND
CONTAINER ID IMAGE
COMMAND
CONTAINER ID IMAGE
COMMAND
COMMAND
CONTAINER ID IMAGE
COMMAND
```

Verify that you can access your new ELK server by navigating to the Kibana website: http://20.62.88.5:5601/app/kibana



Elk Server Data Collection Tool - Filebeats

Description / Functionality:

Collects data about the file system, enables analysts to monitor files for suspicious changes. Use Filebeat to collect, parse, and visualize ELK logs in a single command. This will help us better track our organizational goals. Specifically, we will monitor the <u>Apache server</u> and <u>MySQL database logs</u> generated by the web servers

Install and Run New Filebeats Tool to Monitor Web Server Traffic Logs:

-Create new Filebeats config and playbook files (files: filebeat-config.yml and filebeat-playbook.yml)

command: nano filebeat-config,yml command: nano filebeat-playbook,yml

command: ansible-playbook filebeat-playbook,yml

GitBash Screen should look similar to:

```
Associated the process of the proces
```

Filebeat Installation Files (Located on Jumpbox Ansible Container):

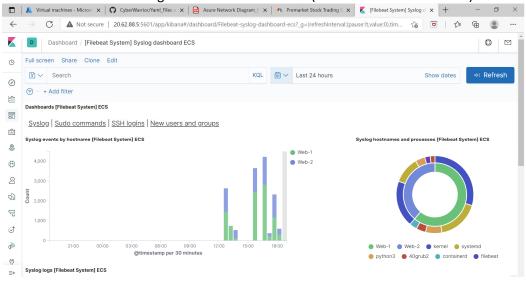
Filebeat Install files (cd /etc/ansible/filebeat-config.yml and filebeat-playbook.yml)

GitHub url: https://github.com/Jbrowne81/CyberWarrior/blob/main/Yaml_Files/filebeat-config.yml GitHub url: https://github.com/Jbrowne81/CyberWarrior/blob/main/Yaml_Files/filebeat-playbook.yml

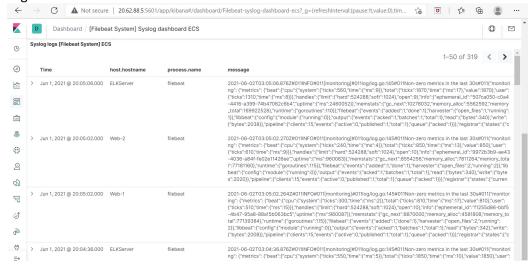
Usage / How to Access:

Confirm that the ELK Stack is receiving logs

- -Log into Kibana website by using the browser link: http://20.62.88.5:5601/app/kibana
- -Click on 'Add Log Data' then 'System Logs' then Getting Started 'DEB' Tab, then 'Systems Log Dashboard' to view Web Server Log Files
- -You should see current log files that look similar to (Select Desired Timeframe)



Log Files:



Elk Server Data Collection Tool - Metricbeats

Description / Functionality

Collects machine metrics, such as uptime and CPU usage, displays data in graph / charts

- -CPU usage: The heavier the load on a machine's CPU, the more likely it is to fail. Analysts often receive alerts when usage is too high
- Uptime: Measures how long a machine has been on. Servers are generally expected to be available for a certain percentage of the time. Ensure the web servers meet service-level agreements (SLAs).

Install and Run New Metricbeats Tool to Collect and Display Web Server Metrics

-Create new Metricbeat config and playbook files (files: metricbeat-config.yml and metricbeat-playbook.yml)

command: nano metricbeat-config,ym command: nano metricbeat-playbook,yml

command: ansible-playbook metricbeat-playbook,yml

GitBash Screen should look similar to:

```
As command task or set 'command_murnings=False' in ansible.efg to get rid of this message.

TASK [Can has metricbeat]

TASK [Can has been done for metric beat]

TASK [Can has been don
```

Metricbeat Installation Files (Located on Jumpbox Ansible Container):

Metricbeat Install files (cd /etc/ansible/metricbeat-config.yml and metricbeat-playbook.yml)

GitHub url: https://github.com/Jbrowne81/CyberWarrior/blob/main/Yaml_Files/metricbeat-config.yml GitHub url: https://github.com/Jbrowne81/CyberWarrior/blob/main/Yaml_Files/metricbeat-playbook.yml

Usage / How to Access:

Confirm that the ELK Stack is receiving Metric Data

- -Log into Kibana website by using the browser link: http://20.62.88.5:5601/app/kibana
- -Click on 'Add Metric Data' then 'Docker Metrics' then Getting Started 'DEB' Tab, then 'Docker Metrics Dashboard' to view Web Server Metrics
- -You should see current log files that look similar to (Select Desired Timeframe)

