HONEYPOT EXPERIMENT

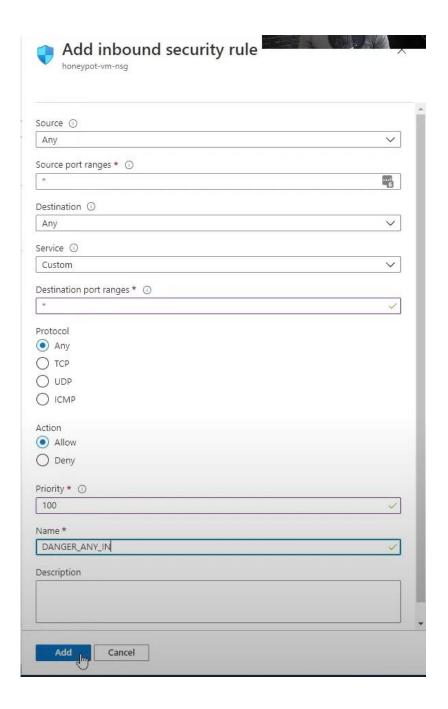
Step-by-step instructions:

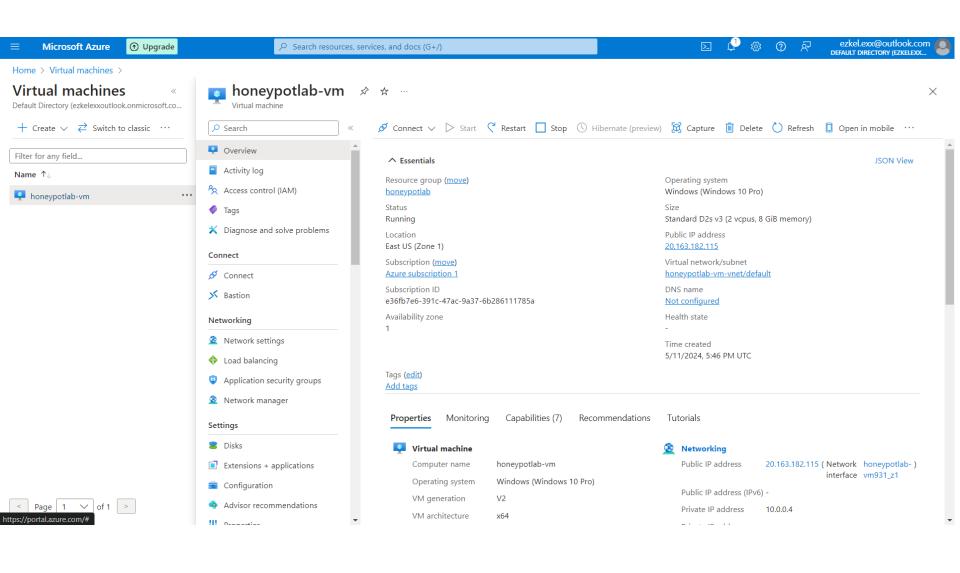
1. Create an Azure account

https://azure.microsoft.com/en-us/free/

2. Create a virtual machine using Azure:

Under "NIC Security Group", click on Advance and create a new network inbound rule Purpose: To allow traffic from the internet to Virtual machine. For VMs to be discoverable to the public internet





Properties Monitoring Capabilities (7) Recommendations Tutorials

Virtual machine

Computer name honeypotlab-vm

Operating system Windows (Windows 10 Pro)

VM generation V2

VM architecture x64

Agent status Ready

Agent version 2.7.41491.1117

Hibernation Disabled

Host group -

Host -

Proximity placement -

group

Colocation status N/A

Capacity reservation -

group

Disk controller type SCSI

Availability + scaling

Availability zone (edit) 1

Availability set -

Scale Set

Networking

Public IP address 20.163.182.115 (Network honeypotlab-)

interface vm931_z1

Public IP address (IPv6) -

Private IP address 10.0.0.4

Private IP address

(IPv6)

Virtual network/subnet honeypotlab-vm-vnet/default

DNS name Configure

Size

.

Size Standard D2s v3

vCPUs 2

RAM 8 GiB

Source image details

Source image publisher Microsoft Windows Desktop

Source image offer Windows-10

Source image plan win10-22h2-pro-g2

Disk

OS disk

Azure > Search "Log Analytics Workspace"
Look for Virtual machines, and connect the virtual machine we
made from the beginning

Next, setup Azure Sentinel > "Create Azure Sentinel" Add the honeypot virtual machine

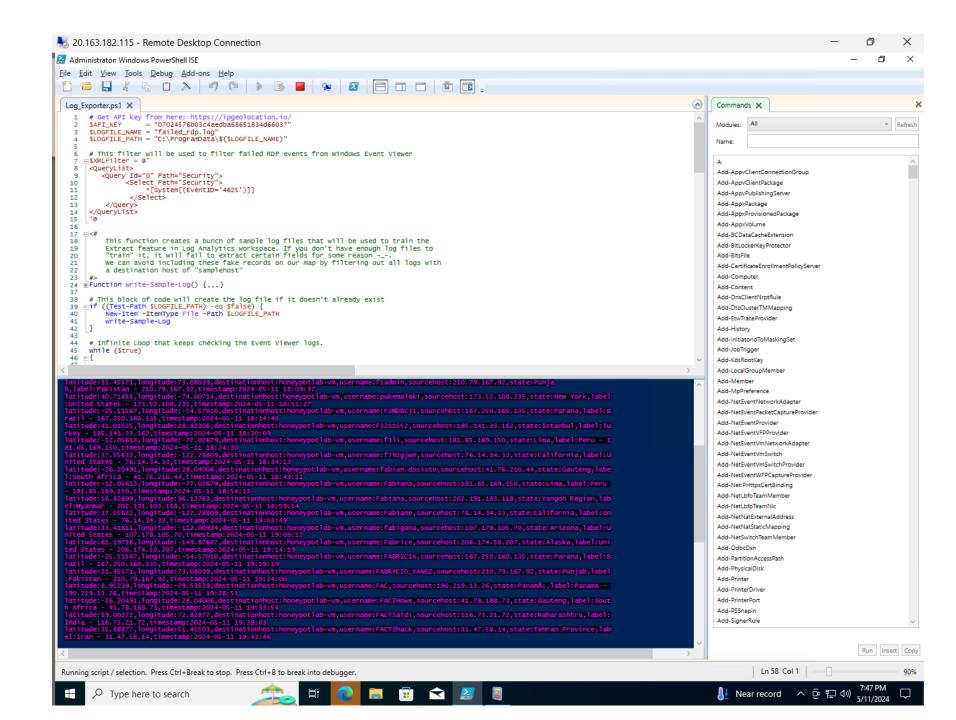
3. Get the script in this Github:

https://github.com/joshmadakor1/Sentinel-Lab/blob/main/Custom Security Log Exporter.ps1

Note: Make sure to create account and get the free API key

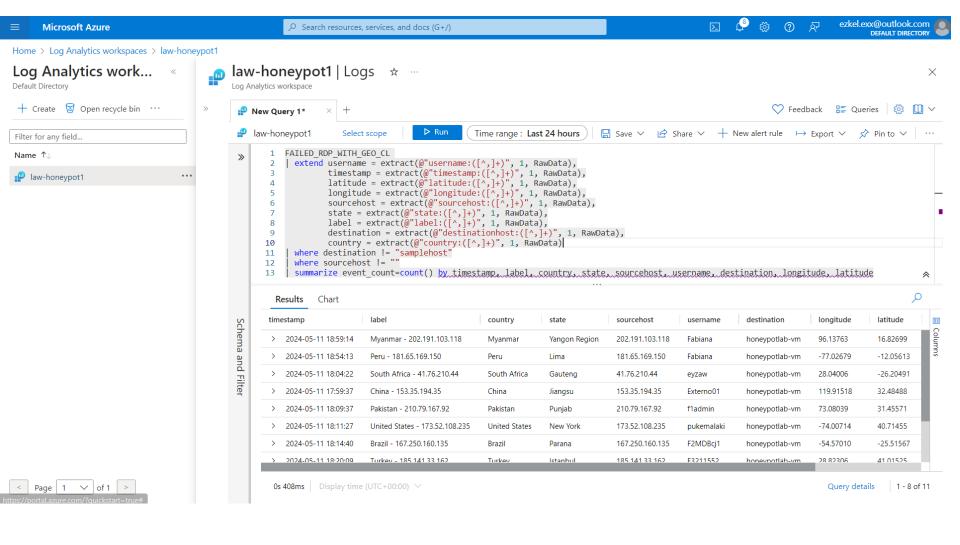
here: https://app.ipgeolocation.io/login

- 4. Open the Powershell ISE inside the VM and insert the script and your very own API key.
- 5. Run the script.



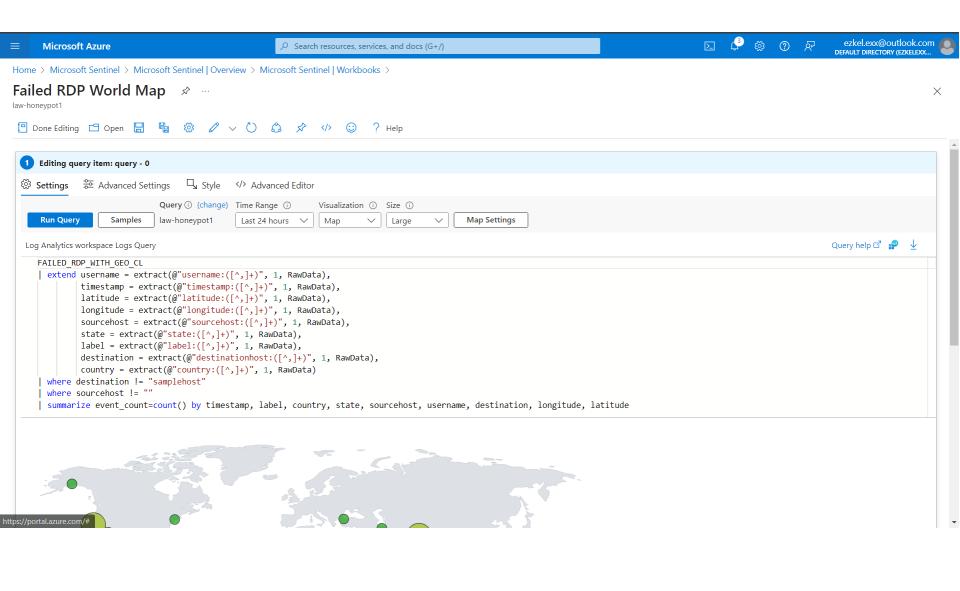
Log Analytics Workspace query

Copy/paste this query when creating a workbook:

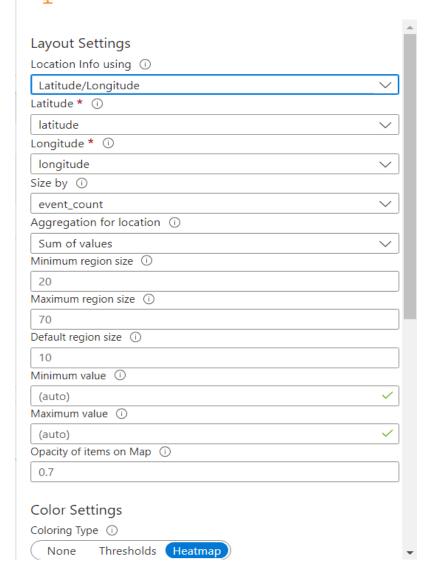


Microsoft Sentinel

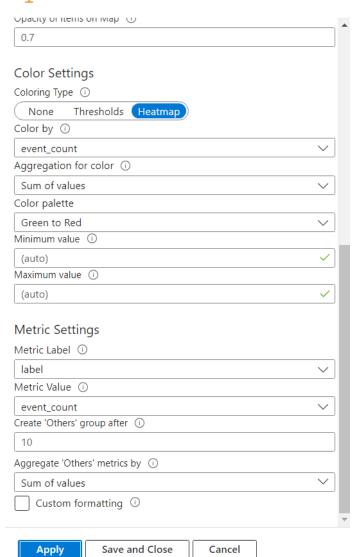
Copy/paste this query when creating a new workbook:





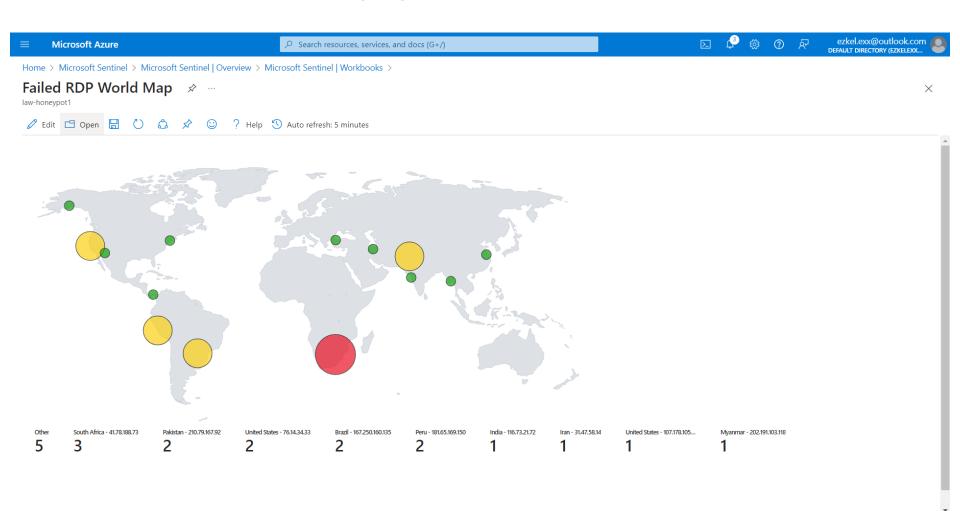






X

Result as of 3:48 PM 5/11/2024









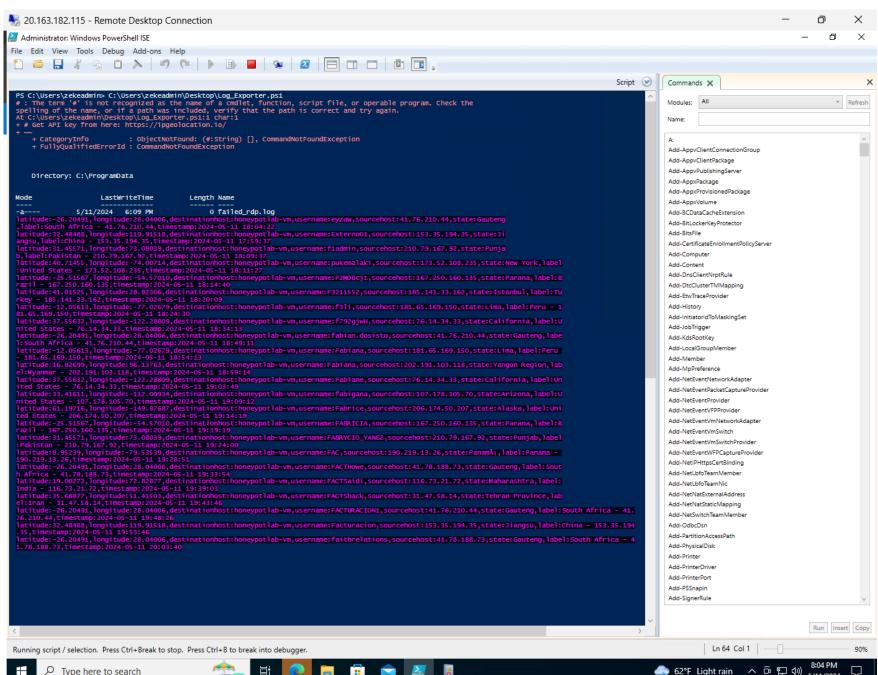


















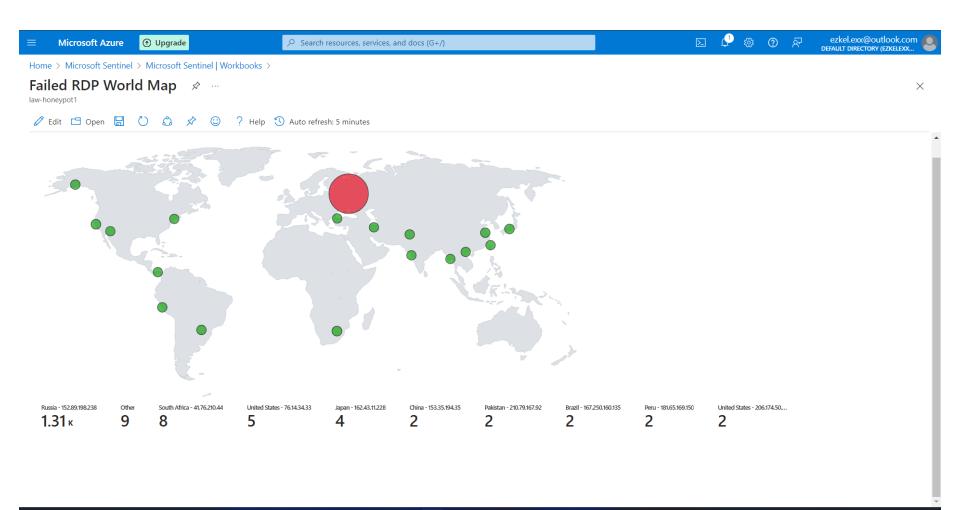








Result as of 5:38 PM 5/11/2024



Source: https://www.youtube.com/watch?v=RoZeVbbZ0o0