Sneha Patra D15A 41

Experiment 10

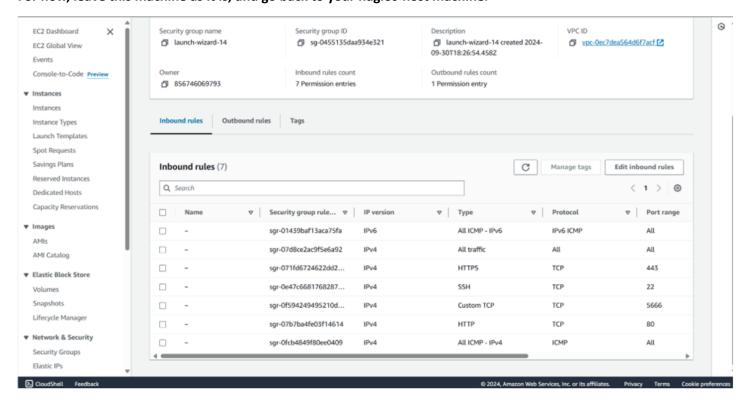
Aim: To perform Port, Service monitoring, Windows/Linux server monitoring using Nagios.

Step 1: Initially confirm that Nagios is running on the server side. For this run the following command - sudo systematl status nagios on the nagios-host instance.

```
[root@ip-172-31-93-157 nagios-plugins-2.0.3]# sudo systement status nagios
* nagios.service - LSS: Starts and stops the Nagios monitoring server
Loaded: Loaded (Systexte, Minitary Since Mon 2024-09-30 18:02:27 UTC: 42s ago
Locs: poticy: systement since Mon 2024-09-30 18:02:27 UTC: 42s ago
Locs: poticy: poticy: systement since Mon 2024-09-30 18:02:27 UTC: 42s ago
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Locs: poticy: system. Since /nagios.service

Frocess: 79969 Executart=/poticy: system. Since /nagios. System. Since
```

Step 2: Once confirmed, make another instance with the same security group as that of nagios-host. For now, leave this machine as it is, and go back to your nagios-host machine.



Step 3: Now run the following command - ps -ef | grep nagios

Step 4: Now, run the following commands - sudo su mkdir /usr/local/nagios/etc/objects/monitorhosts mkdir /usr/local/nagios/etc/objects/monitorhosts/linuxhosts cp/usr/local/nagios/etc/objects/localhost.cfg/usr/local/nagios/etc/objects/linuxhosts/linuxserver.cfg

```
root8ip-172-31-93-157 nagios-plugins-2.0.31* sudo su
root8ip-172-31-93-157 nagios-plugins-2.0.31* midir /usr/local/nagios/etc/objects/monitorhosts
root8ip-172-31-93-157 nagios-plugins-2.0.31* obidir /usr/local/nagios/etc/objects/monitorhosts/linuxhosts
root8ip-172-31-93-157 nagios-plugins-2.0.31* op /usr/local/nagios/etc/objects/monitorhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhosts/linuxhos
```

Step 5: Open linuxserver.cfg using the the following command - nano /usr/local/nagios/etc/objects/monitorhosts/linuxhosts/linuxserver.cfg

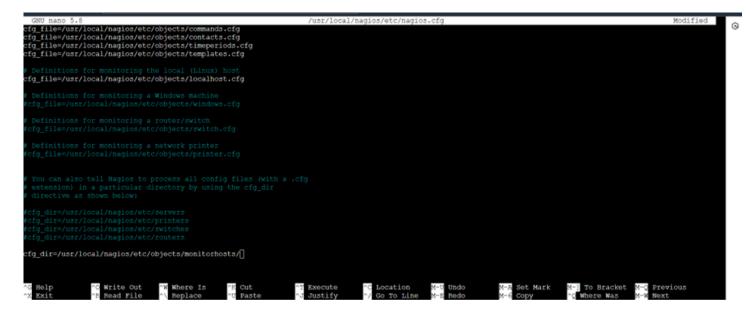
Change the hostname to linuxserver (EVERYWHERE ON THE FILE)
Change address to the public IP address of your LINUX CLIENT.
Change hostgroup_name under hostgroup to linux-servers1



Step 6: Open Nagios config file and add the following line - nano /usr/local/nagios/etc/nagios.cfg

Then add this line -

cfg_dir=/usr/local/nagios/etc/objects/monitorhosts/



Step 8: Verify configuration files using the following command - sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg

If there are no errors, run the following command - sudo service nagios start

```
[root@ip-172-31-93-157 nagios-plugins-2.0.3]# nano /usr/local/nagios/etc/nagios.cfg
[root@ip-172-31-93-157 nagios-plugins-2.0.3]# nano /usr/local/nagios/etc/nagios.cfg
[root@ip-172-31-93-157 nagios-plugins-2.0.3]# nano /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg

Nagios Core 4.4.6
Copyright (c) 2009-present Nagios Core Development Team and Community Contributors
Copyright (c) 1999-2009 Ethan Galstad
Last Modified: 2020-04-28
License: GFL

Website: https://www.nagios.org
Reading configuration data...
Read main config file dway.
Read main config file dway.
Read main config file dway.
RABNING: The netry_check_interval attribute is deprecated and will be removed in future versions. Please use check_interval instead.
RABNING: The netry_check_interval attribute is deprecated and will be removed in future versions. Please use retry_interval_instead.
RABNING: The netry_check_interval_attribute is deprecated and will be removed in future versions. Please use retry_interval_instead.
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RABNING: The netry_check_interval_attribute is deprecated and will be removed in future versions. Please u
```

Step 9: After entering the correct credentials, you will see this page.



Conclusion: Port, Service monitoring, Windows/Linux server monitoring using Nagios was performed.