Aim:Nagios.

Objectives:

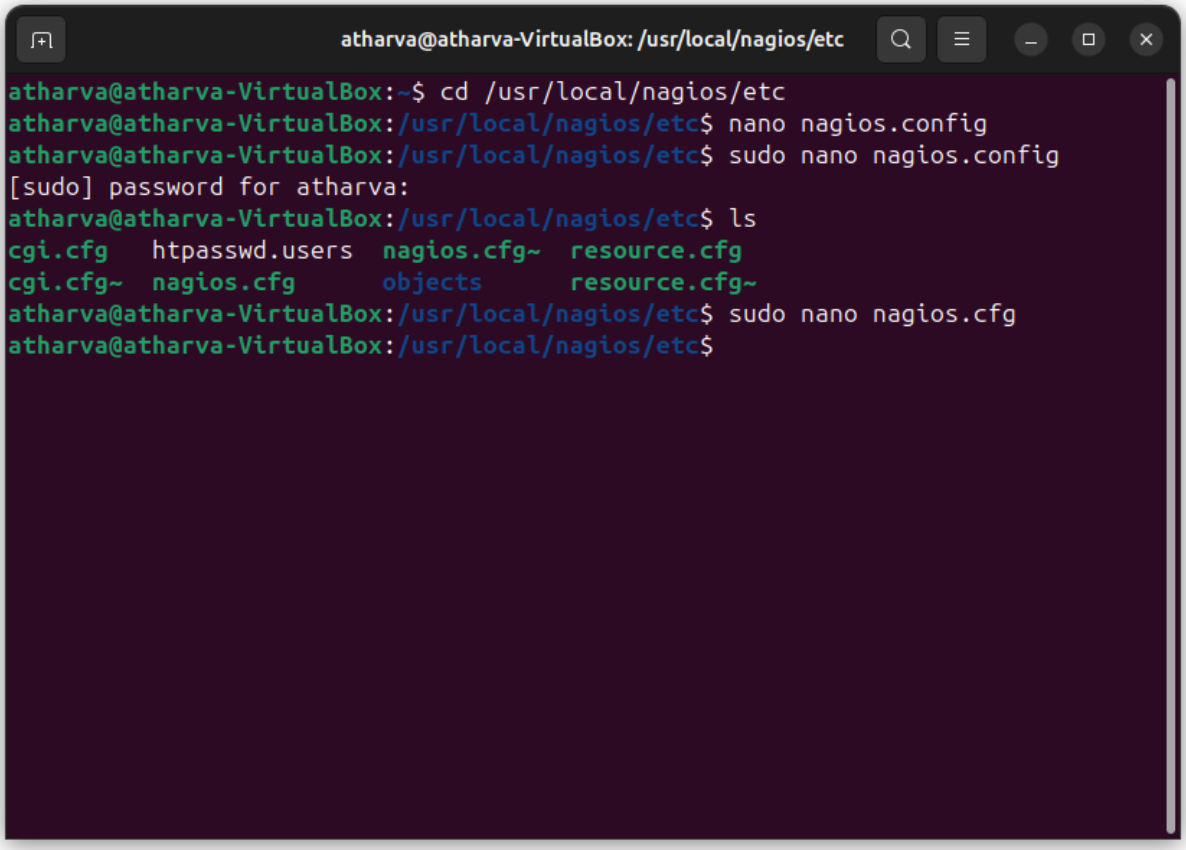
- Set up Nagios on Ubuntu
- Monitor a Windows machine using Nagios
- Access the Nagios Dashboard

Tools Used: Virtual box, Ubuntu , Nagios

Concepts:
Network Monitoring, Nagios Configuration, IP & Hostname Identification, Service Management

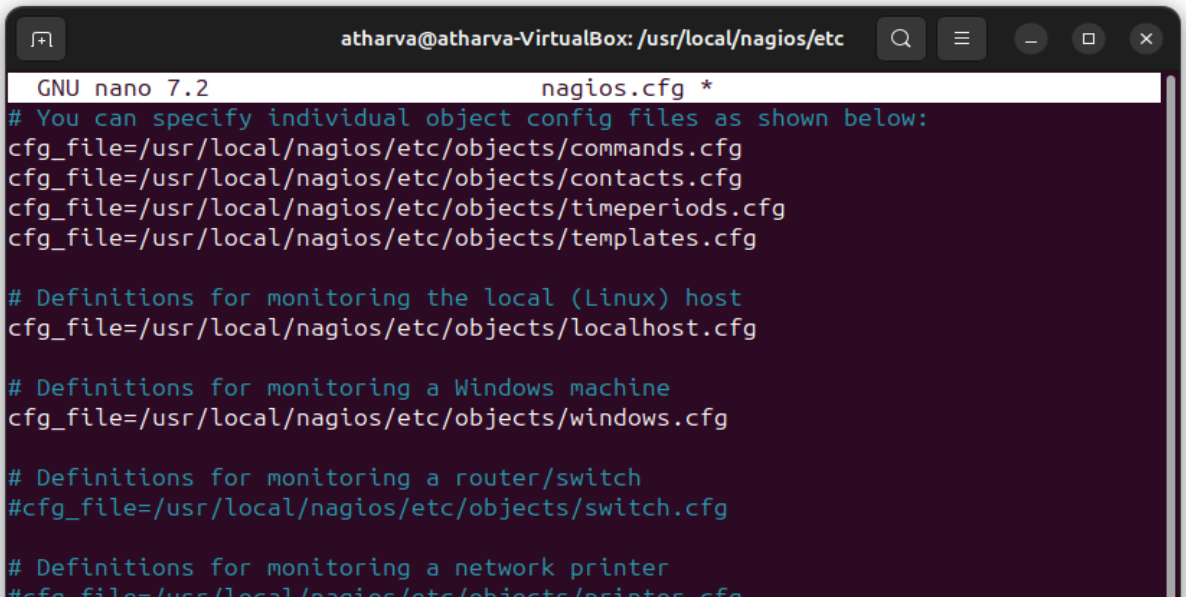
Problem Statement: To monitor a Windows machine using Nagios installed on Ubuntu.

Process:
Step 1: Check for the Nagios Directory.
$cd /usr/local/nagios/etc



Step 2: Open nagios.cfg file
$nano nagios.cfg

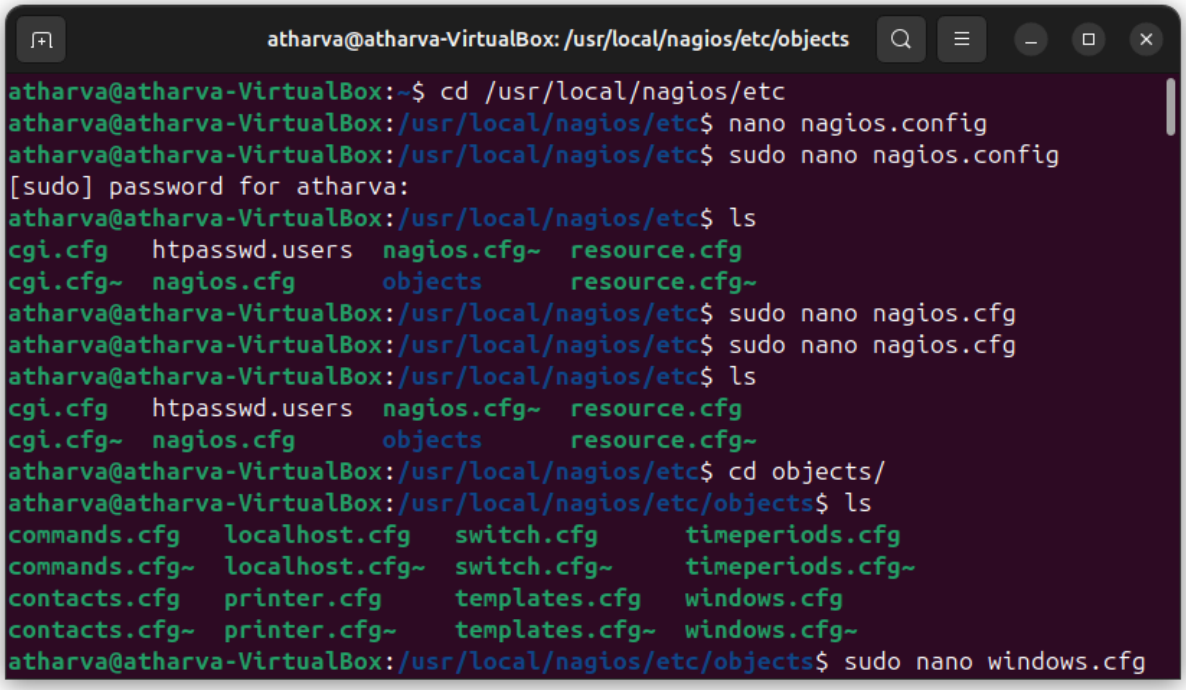
Step 3: Remove the # sign for monitoring a windows machine.

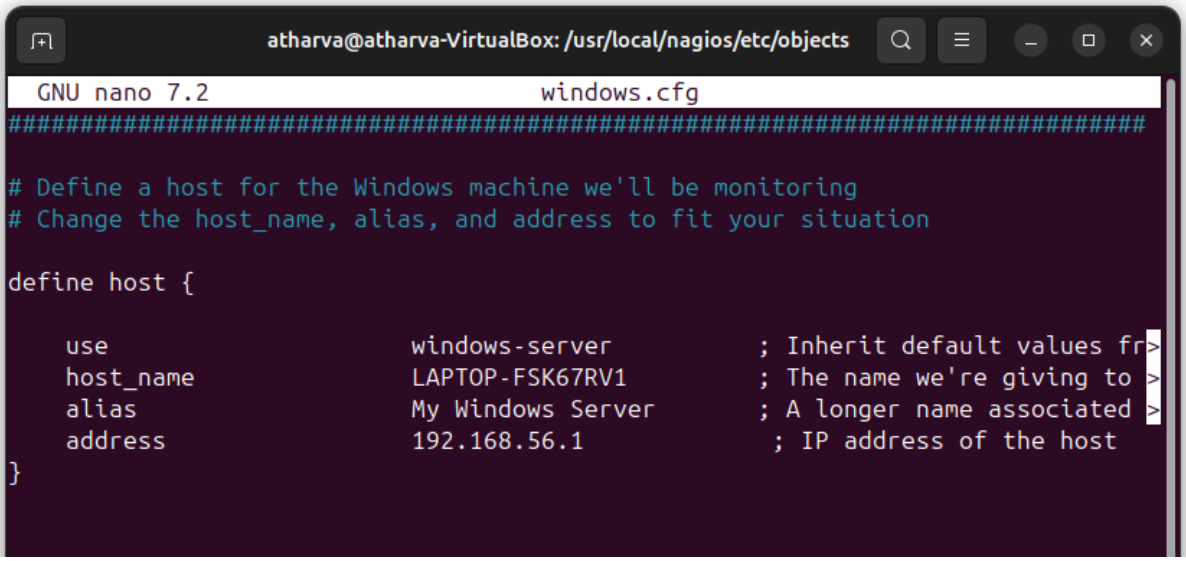


Step 4: Go to your windows machine and use the below command to find the IP address of the machine and the host name as well. $ipconfig /ALL

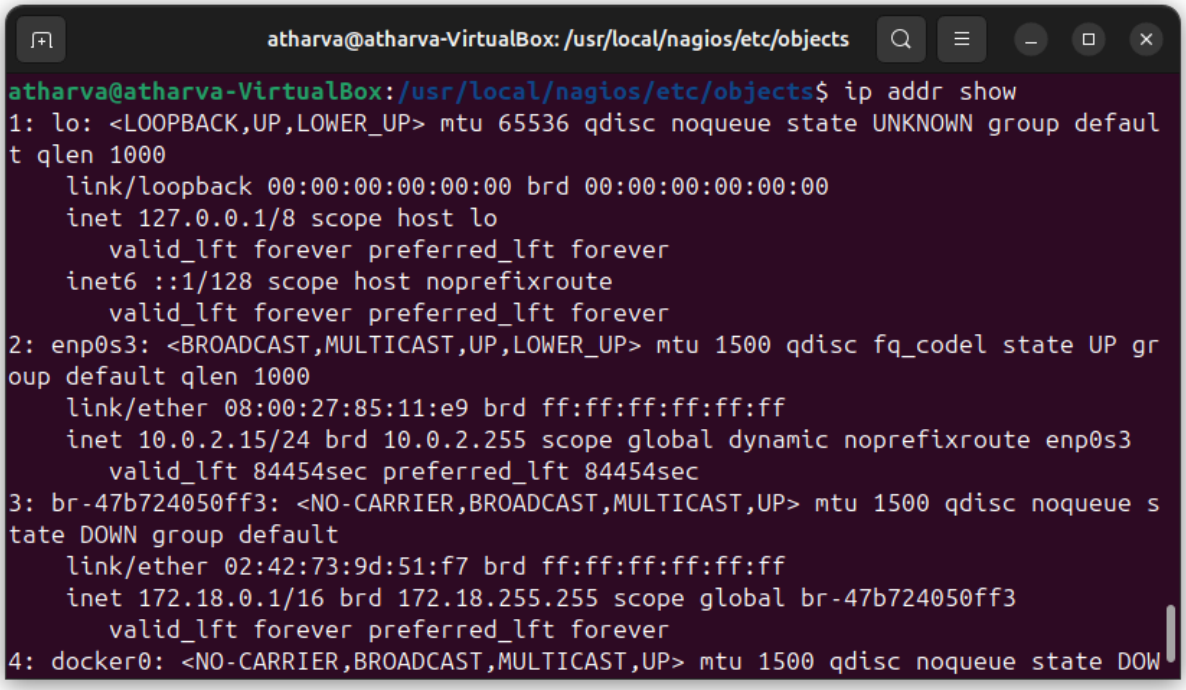
```
C:\Users\Darshan Bhere>ipconfig /ALL

Windows IP Configuration

   Host Name . . . . . . . . . . . . : LAPTOP-FSK67RV1
   Primary Dns Suffix  . . . . . . . :
   Node Type . . . . . . . . . . . . : Hybrid
   IP Routing Enabled. . . . . . . . : No
   WINS Proxy Enabled. . . . . . . . : No

Ethernet adapter Ethernet:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :
   Description . . . . . . . . . . . : Realtek Gaming GbE Family Controller
   Physical Address. . . . . . . . . : 2C-58-B9-33-E3-B7
   DHCP Enabled. . . . . . . . . . . : Yes
   Autoconfiguration Enabled . . . . : Yes

Ethernet adapter Ethernet 3:

   Connection-specific DNS Suffix  . :
   Description . . . . . . . . . . . : VirtualBox Host-Only Ethernet Adapter
   Physical Address. . . . . . . . . : 0A-00-27-00-00-0A
   DHCP Enabled. . . . . . . . . . . : No
   Autoconfiguration Enabled . . . . : Yes
   Link-local IPv6 Address . . . . . : fe80::8a31:835f:4d2a:5b46%10(Preferred)
```

Step 5: While defining a service, rename the hostname as mentioned in your windows machine for all the defined services. Replace all the host_name with your windows machine host_name. Also replace the address with IP address of windows machine

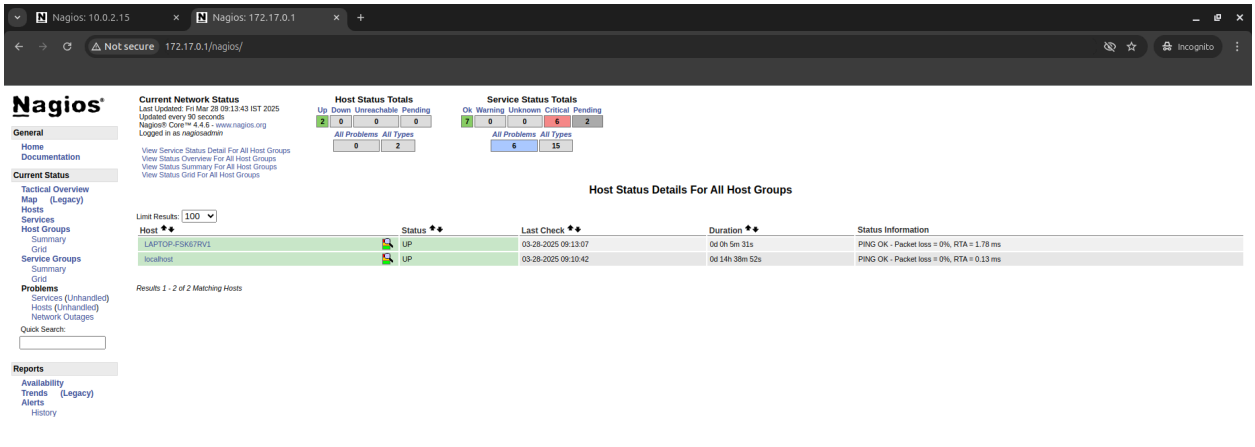


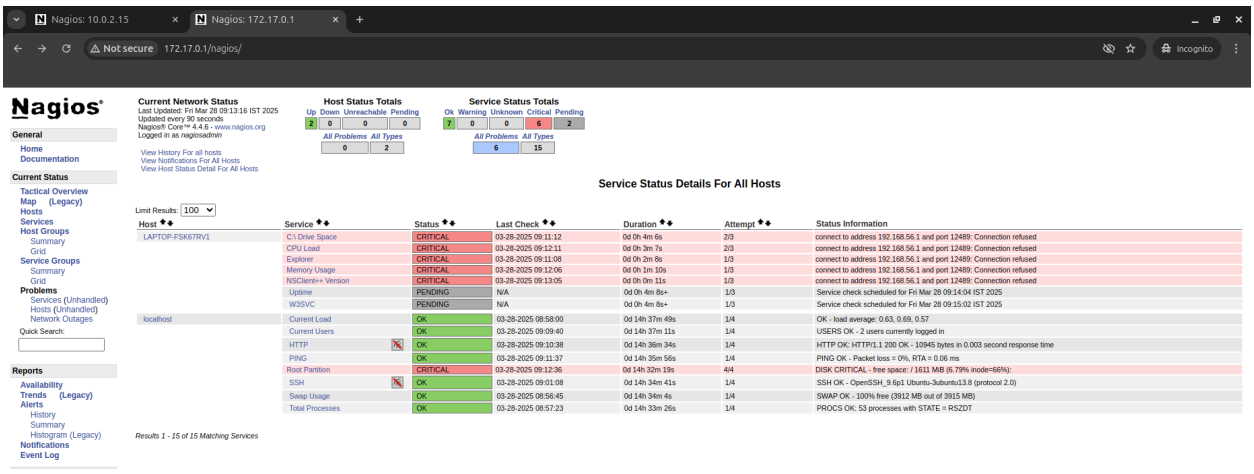


Step 6: Use the below command to identify the address on which Nagios is running:
$ip addr show
$service nagios start
$service apcehe2 start



Step 7: Go to browser and open Nagios Dashboard in the browser. 172.18.0.1/nagios





Conclusion: Nagios provides an efficient way to monitor system health and network resources. By configuring it to monitor a Windows machine, we gain real-time insights and alerts for better system management. This setup enhances proactive system administration.