Name: Gabriel Soriano	Date Performed: October 20, 2022
Course/Section:	Date Submitted: October 20, 2022
Instructor: Engr. Taylar	Semester and SY: 1st sem - SY 2022-2023

Activity 8: Install, Configure, and Manage Availability Monitoring tools

1. Objectives

Create and design a workflow that installs, configure and manage enterprise monitoring tools using Ansible as an Infrastructure as Code (IaC) tool.

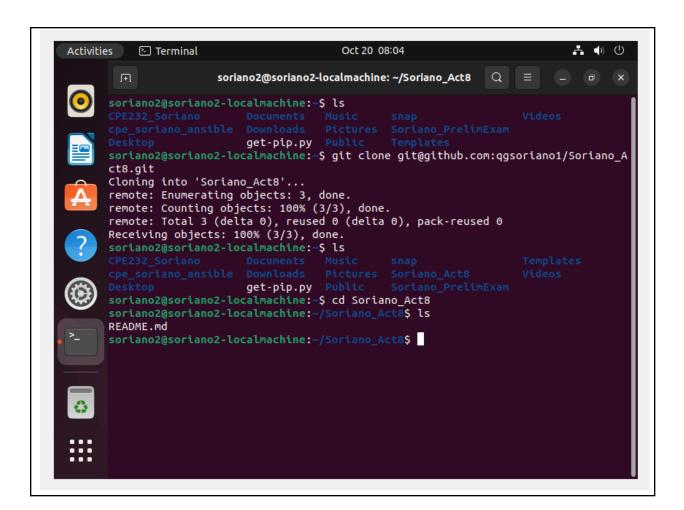
2. Discussion

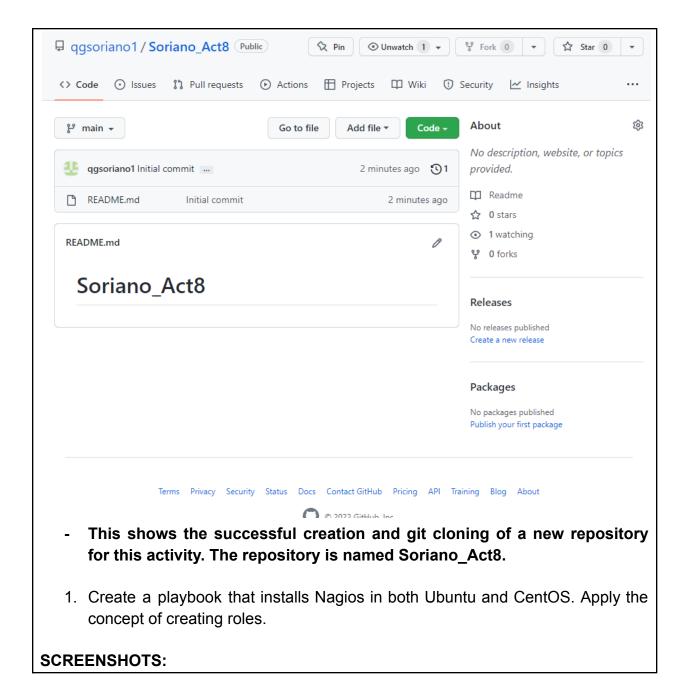
Availability monitoring is a type of monitoring tool that we use if the certain workload is up or reachable on our end. Site downtime can lead to loss of revenue, reputational damage and severe distress. Availability monitoring prevents adverse situations by checking the uptime of infrastructure components such as servers and apps and notifying the webmaster of problems before they impact on business.

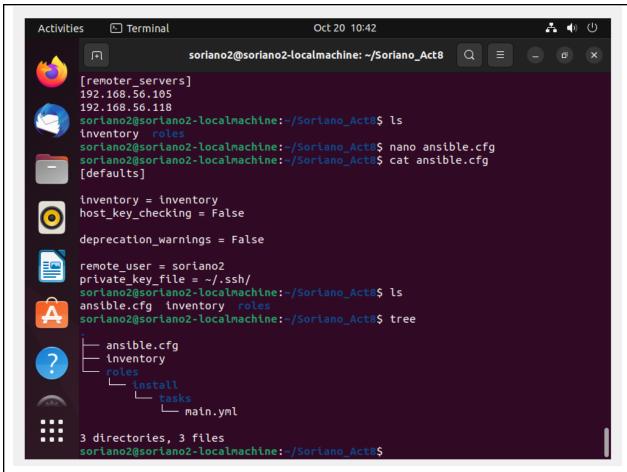
3. Tasks

REQUIREMENT: Create a separate repository for this activity.

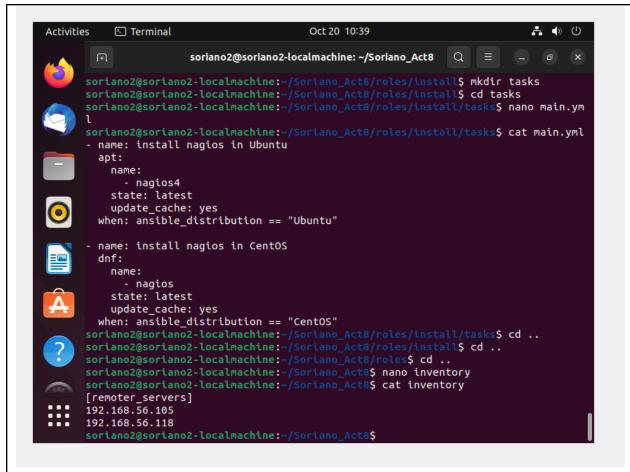
SCREENSHOT:

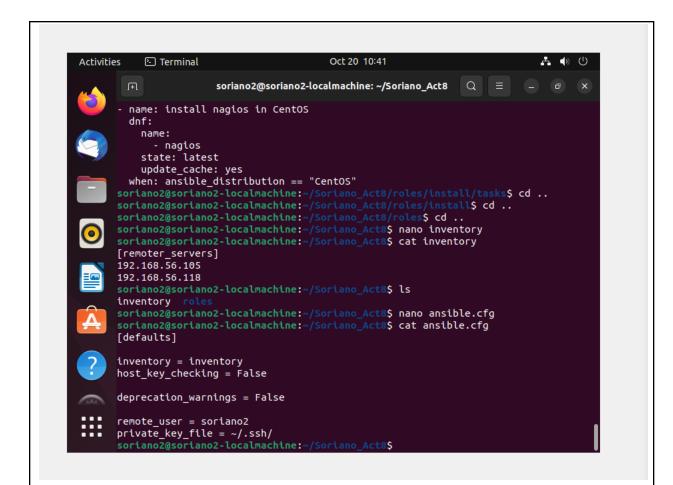


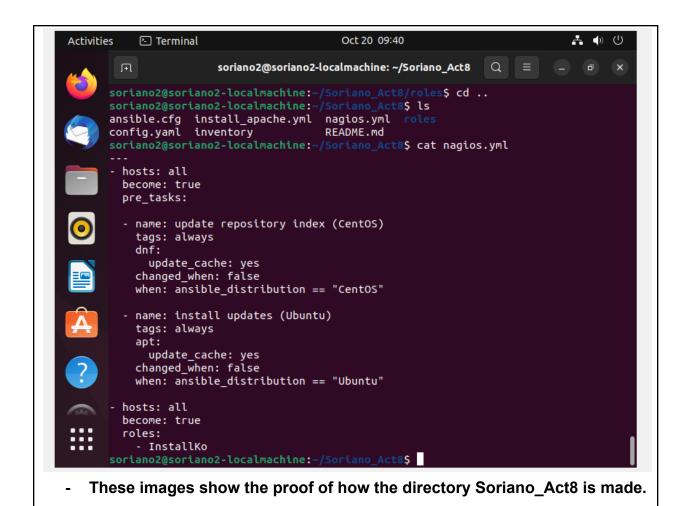


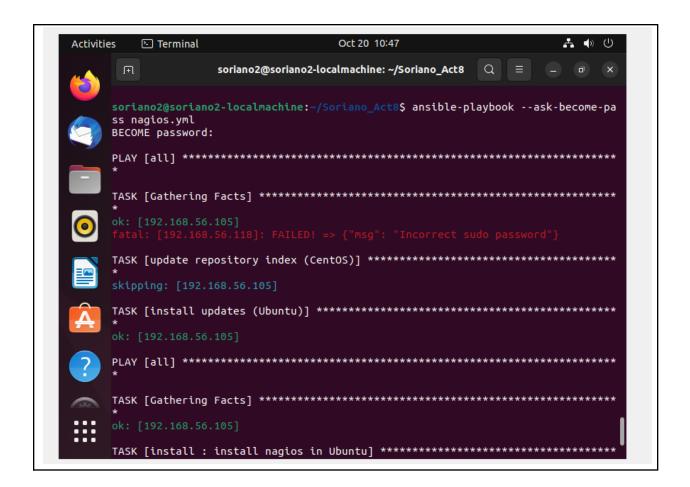


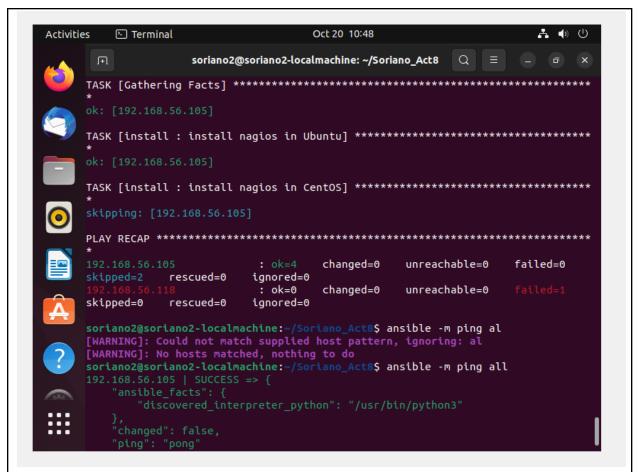
- This shows the tree path directories of the main folder named Soriano_Act8. The inventory is edited to the ip addresses of the corresponding machines used. Which is one ubuntu and one centos.



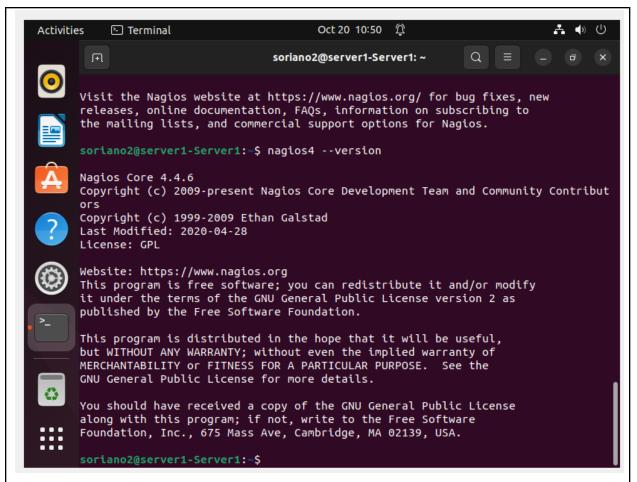




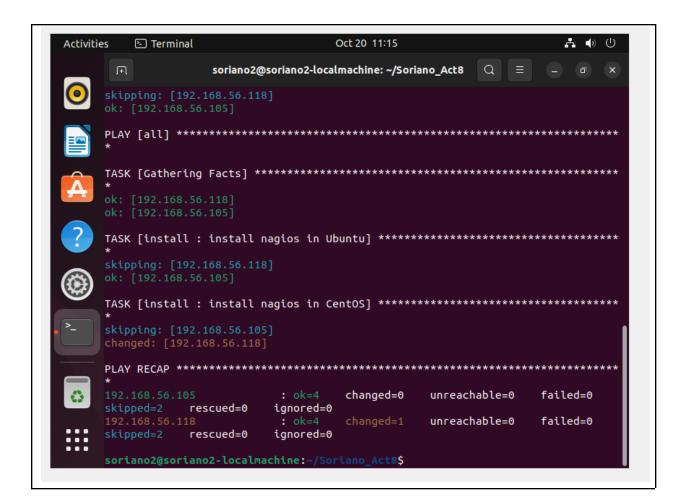


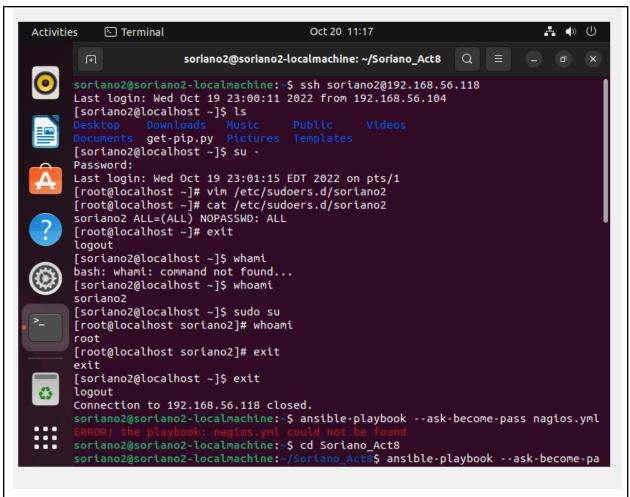


- This shows that when running the playbook for the side of ubuntu, there is one error enco

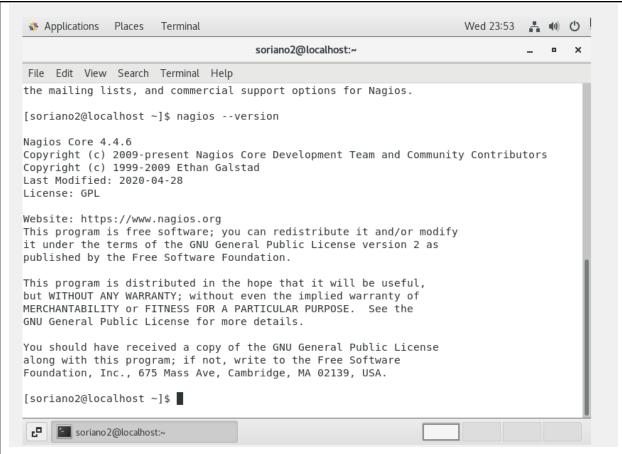


 This is the proof that the nagios in the ubuntu side is installed successfully.



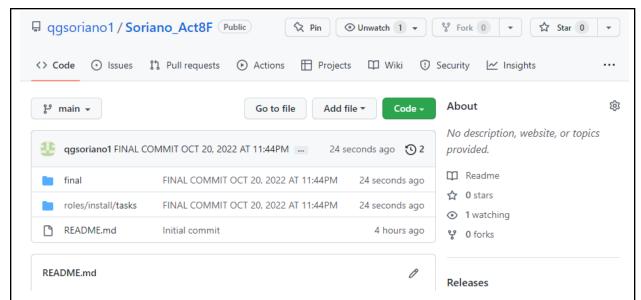


- In this image, the error has been resolved. I resolved this problem/error by accessing the root of the centOS via ssh from the main ubuntu server. The method is shown above.



- This shows the successful test opening and installation of nagios in the centos.
- 2. Describe how you did step 1. (Provide screenshots and explanations in your report. Make your report detailed such that it will look like a manual.)
 - Steps, methods, error solving and troubleshooting are stated above with screenshots.
- 3. Show an output of the installed Nagios for both Ubuntu and CentOS.
 - Outputs are shown above by step.
- 4. Make sure to create a new repository in GitHub for this activity.

SCREENSHOT:



- This shows the successful git commit and push of the files that has been done and successfully performed in this activity.

Reflections:

Answer the following:

- 1. What are the benefits of having an availability monitoring tool?
 - Having a monitoring tool available helps our servers and devices avoid outages. You have the visibility you need to stay ahead of potential problems thanks to network monitoring. Network monitoring software assists you in locating outages that might result in bottlenecks by displaying real-time network performance data in an intuitive interface. Additionally, problems are resolved more quickly. When things are bad, time is money. For time-pressed network professionals, network monitoring makes problem-solving simpler and quicker. A network monitoring tool can offer that first level of security and identify security threats. The biggest advantage is a picture of what typical performance for your organization looks like, which makes it simple to identify anything out of the ordinary.

Conclusions:

In this activity, it is a bit stressful because we have no instructional resources at all from this activity, we have to research on our own and do the activity

appropriately. I have encountered a lot of errors during this activity, including the unreachable status of the centos from the main ubuntu server. This has been resolved by accessing the centos through ssh and creating a file.