**Network Monitoring and Management Course**

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**Once you are done with the necessary installations of the monitoring tools, execute the steps below and attach the required screenshots. Ensure the hostname of the assigned virtual machine is visible on each screenshot**

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1. Type the hostname of your virtual server e.g., snf-1234.vlab.ac.ke ………
2. Provide the login credentials:
	1. Username….
	2. Password….
3. Take a screen shot of the virtual server provisioned on the virtual lab; the information should capture the hostname of the VM.
4. As part of the course, you are to demonstrate you were able to install the required tool. The size of the screenshots should be clear and a reasonable size with the device hostname visible
	1. On your browser type the hostname of your virtual server and capture a screenshot of the following installations. (The browser bar with the hostname should be visible)
		1. nagios
		2. smokeping
		3. request tracker
	2. Share screenshots of the devices monitored as required in the lab work for each tool
		1. nagios,
		2. smokeping
	3. Execute the following commands on the virtual machine terminal and paste the screenshots. Note the commands are to be executed as sudo user
		1. df -h
		2. dpkg -l | grep nagios
		3. dpkg -l | grep smokeping
		4. dpkg -l | grep request-tracker

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**Assignment per topic**

**Topic 1: Nagios**

1. Execute the following commands on the virtual machine terminal and paste the screenshots. Note the commands are to be executed as sudo user (execute the command without the preceding #)

# df -h

# free -m

# dpkg -l | grep nagios

# service nagios4 status

1. On your browser type the hostname of your virtual server and capture a screenshot of the nagios installation for the following categories. (The browser bar with the hostname should be visible)
	* 1. Hosts
		2. Hostgroups
		3. Services

**Topic 2: Smokeping**

1. Execute the following commands on the virtual machine terminal and paste the screenshots. Note the commands are to be executed as sudo user (execute the command without the preceding #)

# df -h

# dpkg -l | grep smokeping

# service smokeping status

1. On your browser type the hostname of your virtual server and capture a screenshot of the smokeping installation for the following categories. (The browser bar with the hostname should be visible)
2. Virtual Machines
3. Routers
4. Switches

**Topic 3: Request Tracker**

1. Execute the following commands on the virtual machine terminal and paste the screenshots. Note the commands are to be executed as sudo user (execute the command without the preceding #)

# df -h

# dpkg -l | grep request-tracker

# dpkg -l | grep postfix

1. On your browser type the hostname of your virtual server and capture a screenshot of the request tracker installation for the following categories. (The browser bar with the hostname should be visible)
2. Log in page
3. Users and Groups
4. Queues
5. Email received for a particular queue

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