Don Bosco Institute of Technology, Mumbai 400070

Department of Information Technology

Experiment 9: Nagios

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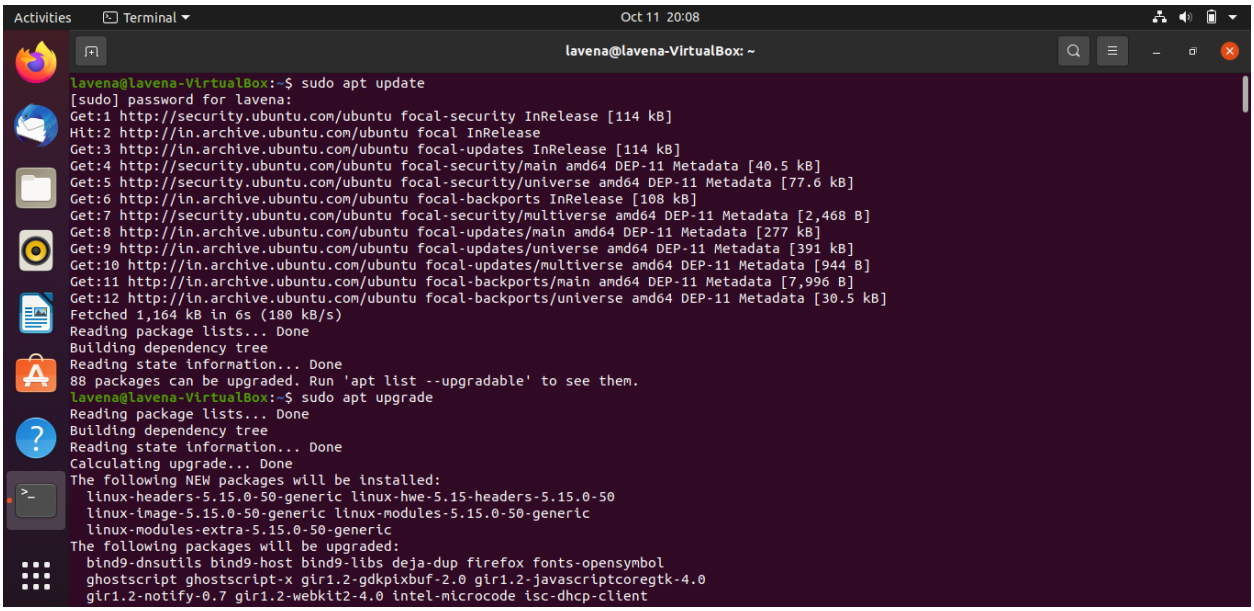
Aim: To Understand Continuous monitoring and Installation and configuration of Nagios Core, Nagios Plugins and NRPE (Nagios Remote Plugin Executor) on Linux Machine

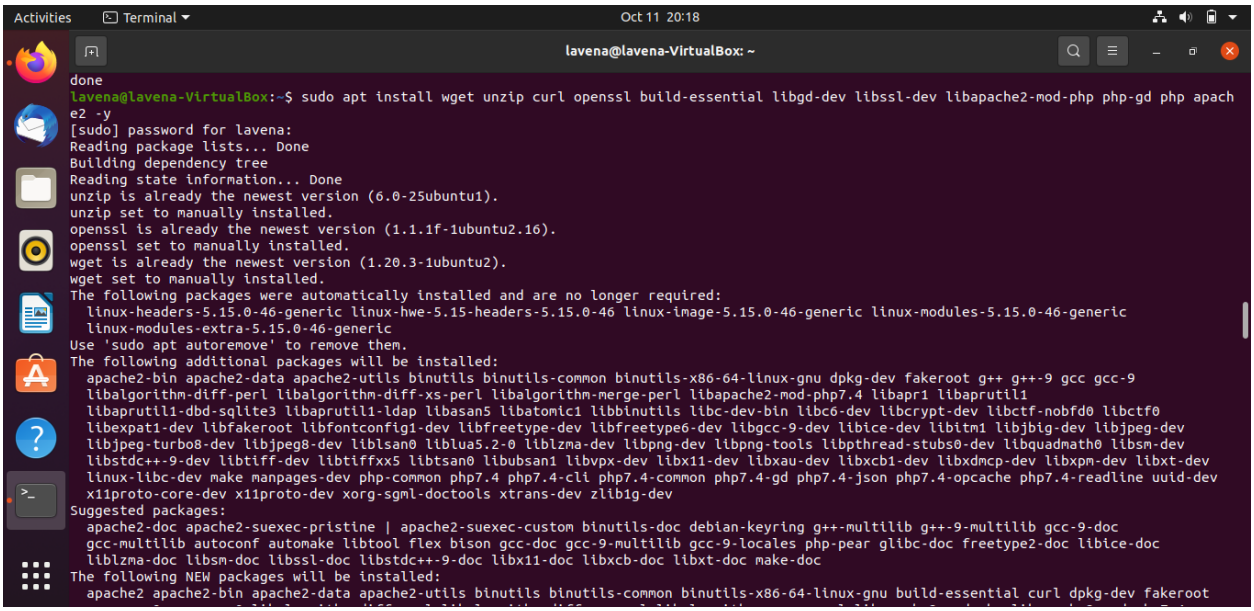
1. Install and Configure Nagios Core

Step 1: Update the system packages.

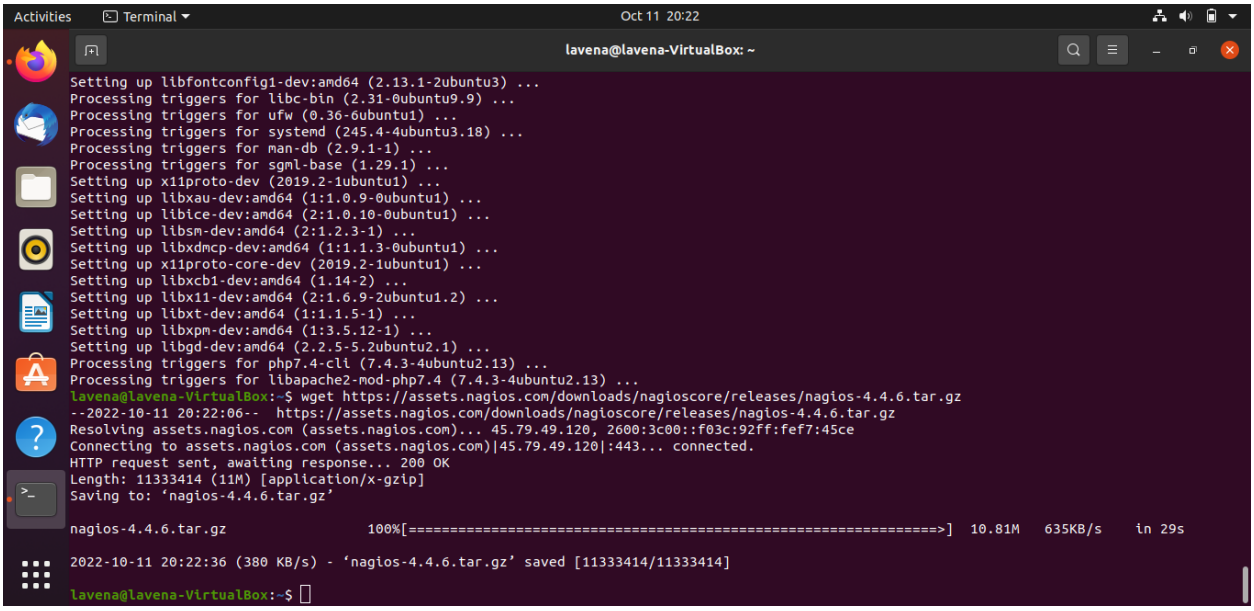
Sudo apt update and sudo apt upgrade:



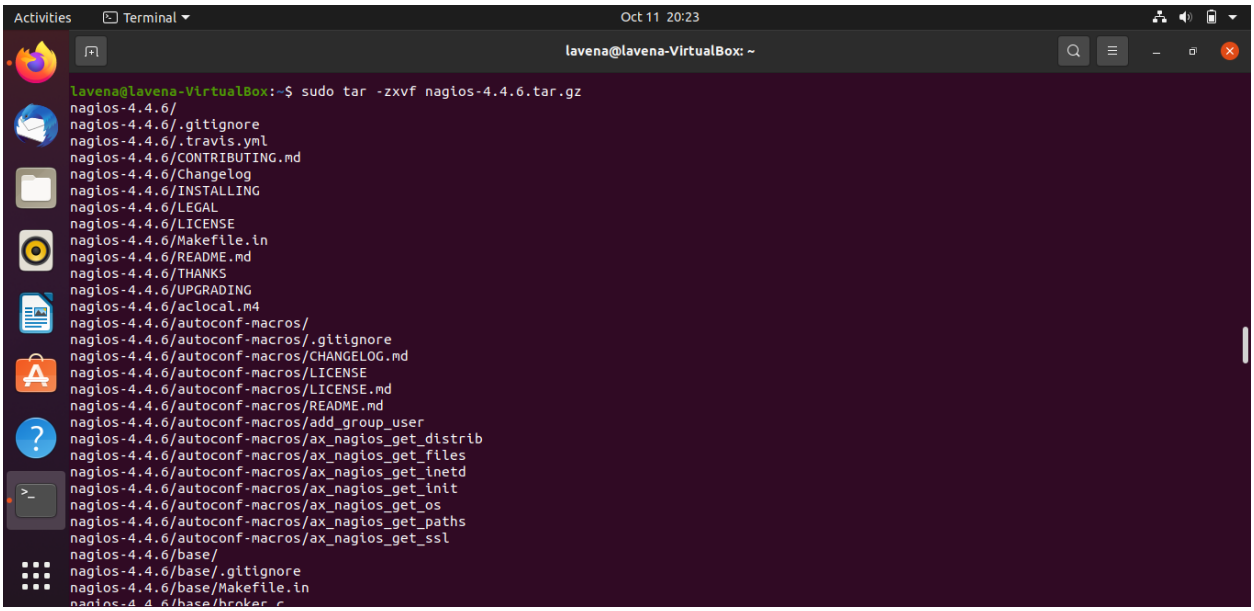
Step 2: Install all the required packages



Step 3: Download Nagios Core Setup files

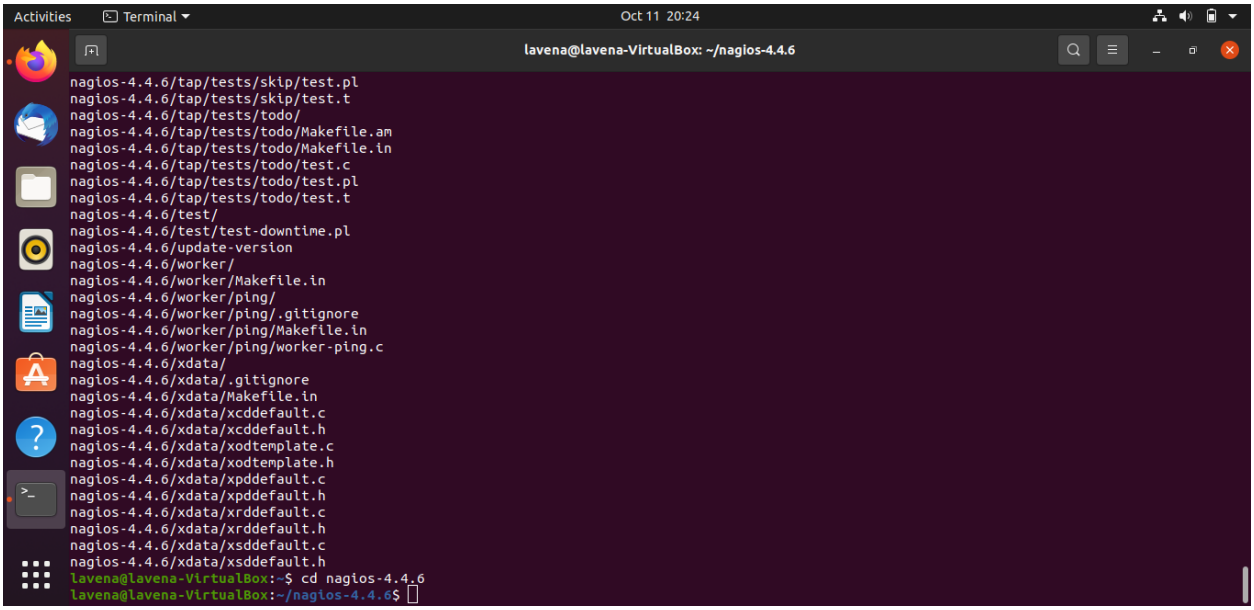


Step 4: Extract the downloaded files.

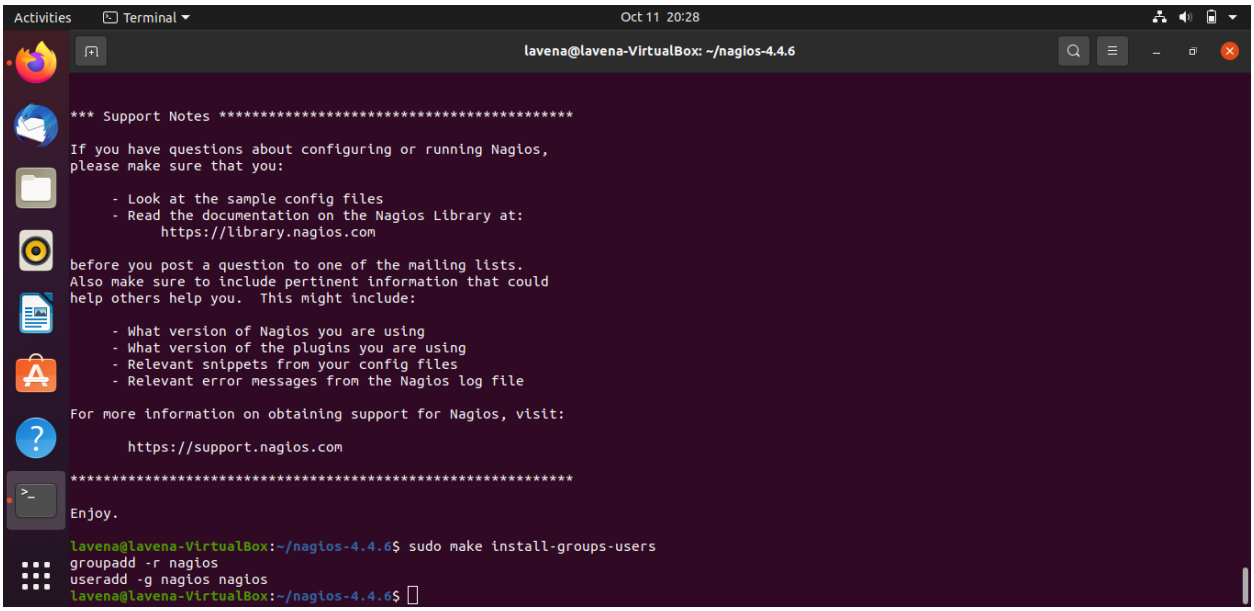


Step 5: Navigate to the setup directory and Run the Nagios Core configure script using

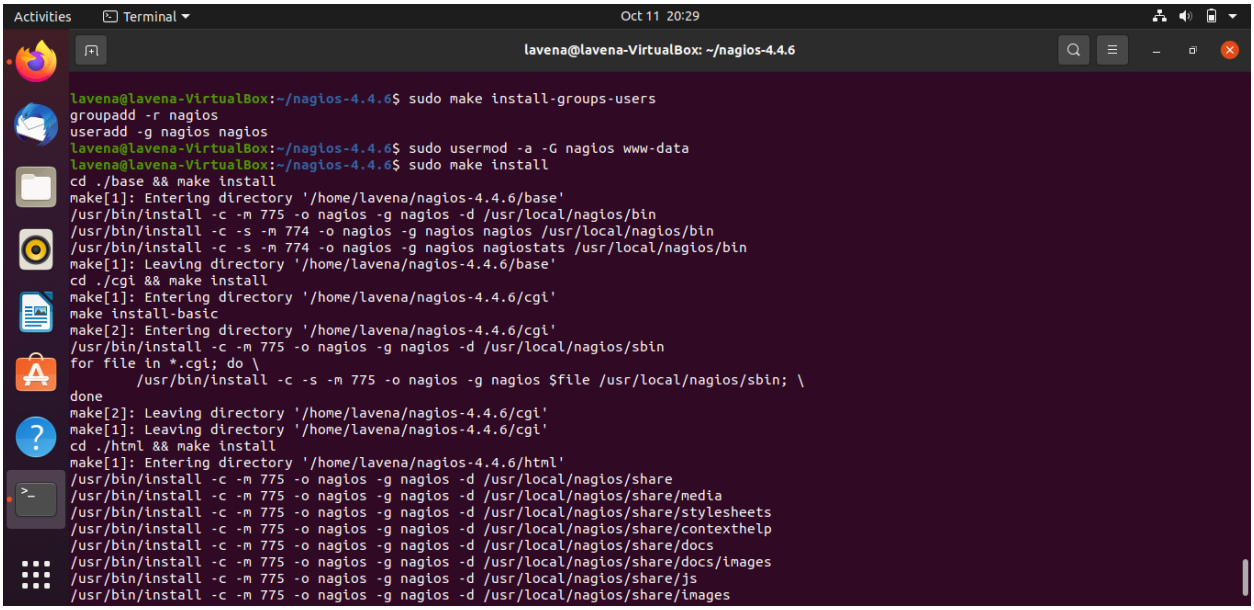
```
sudo ./configure
```



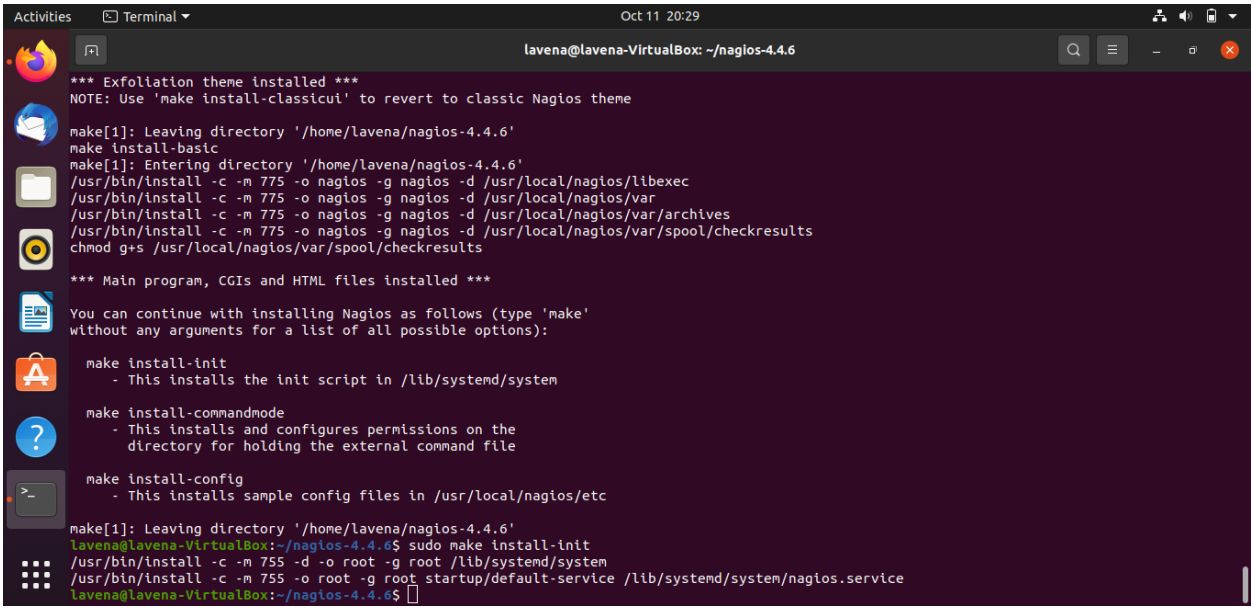
Step 6: Compile the main program and CGIs using `sudo make all` and make and install group and user.



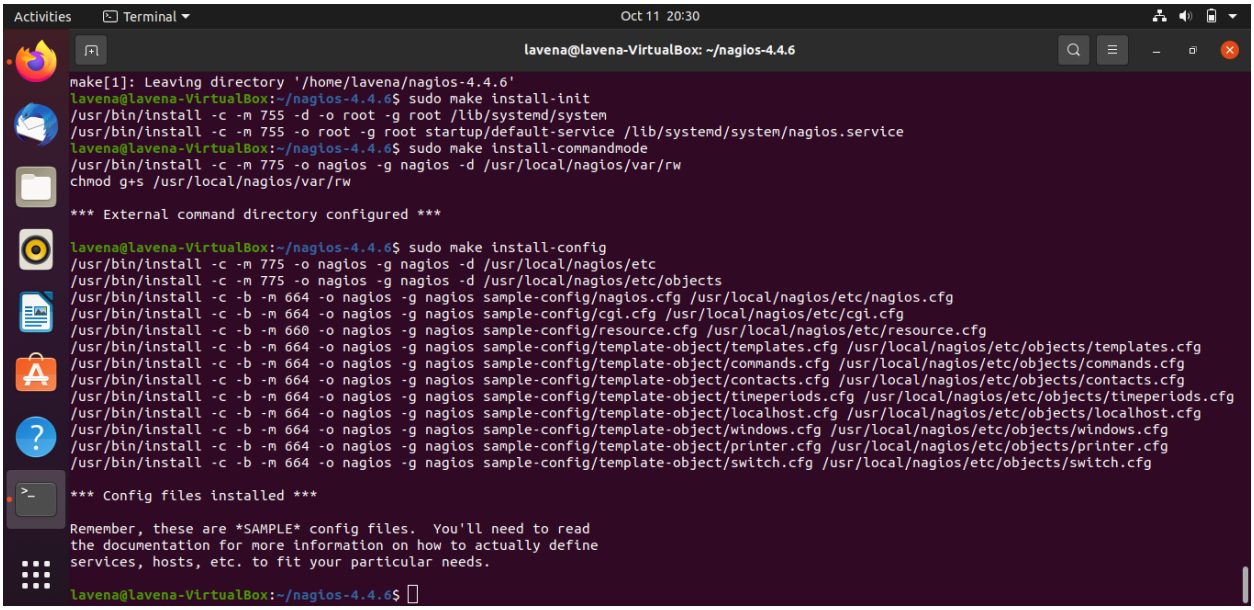
Step 7: Add `www-data` directories user to the nagios group and install Nagios



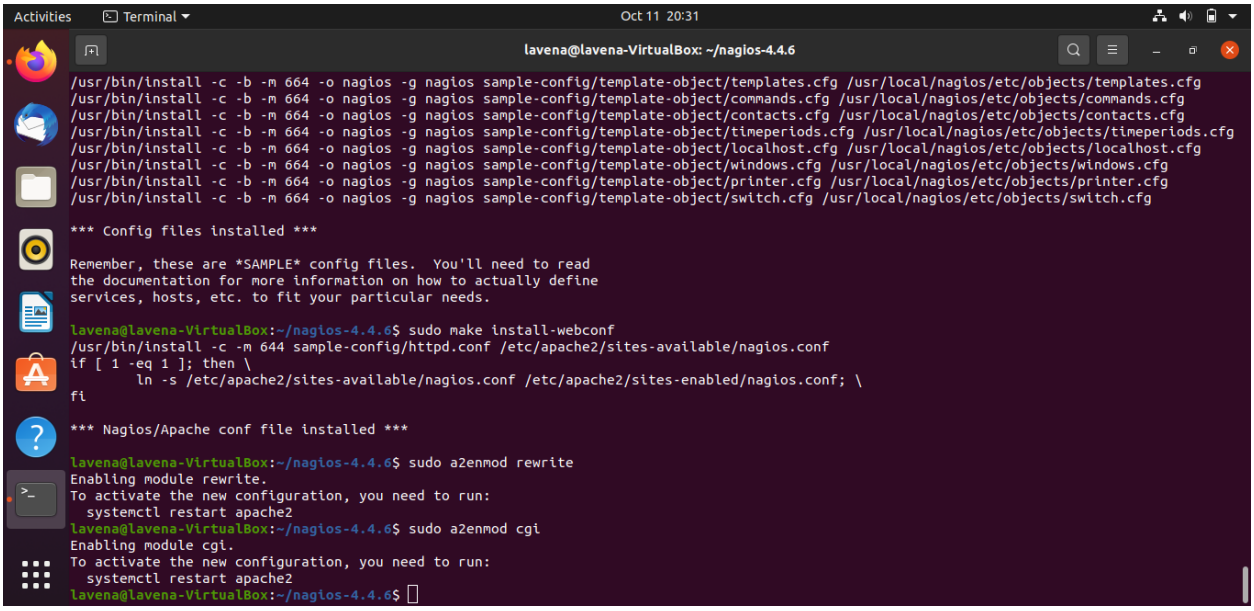
Step 8: Initialize all the installation configuration scripts.



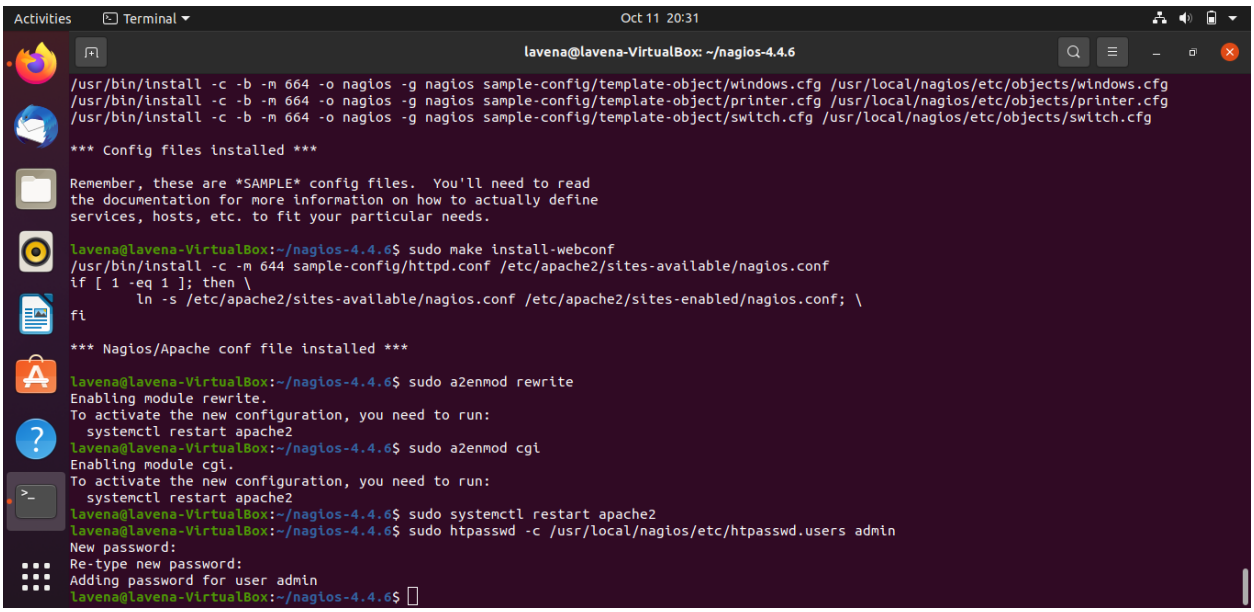
Step 9: Install and configure permissions on the configs' directory and install sample config files.



Step 10: Install apache files. Enable apache rewrite mode and CGI config.

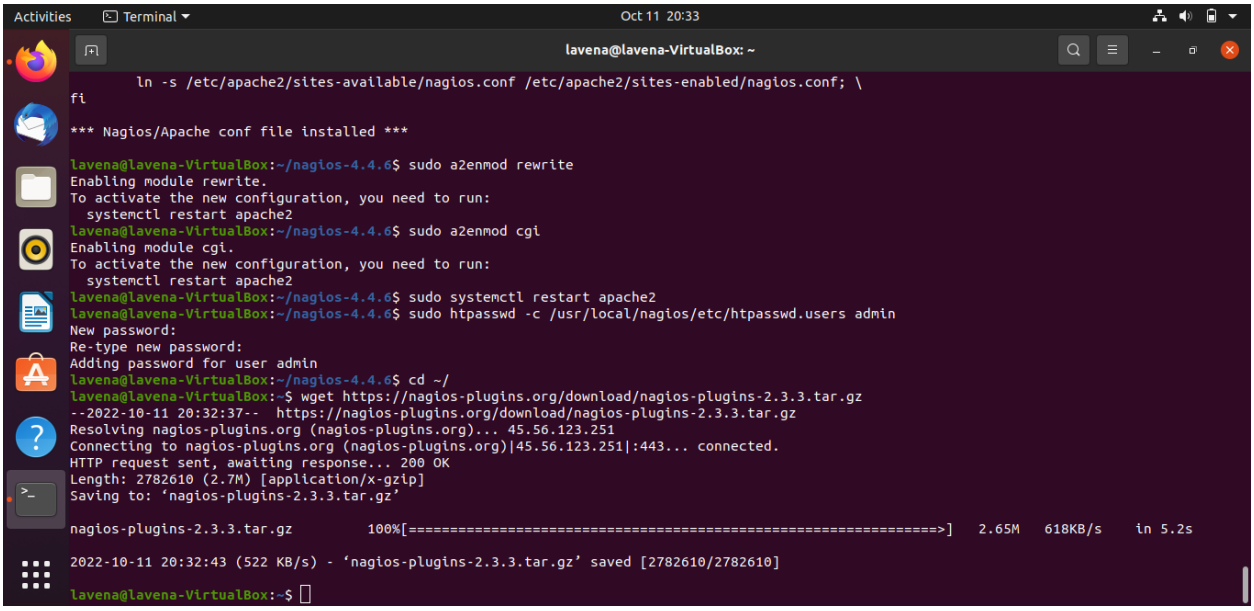


Step 11: Restart the Apache service and then create a user and set the password when prompted.

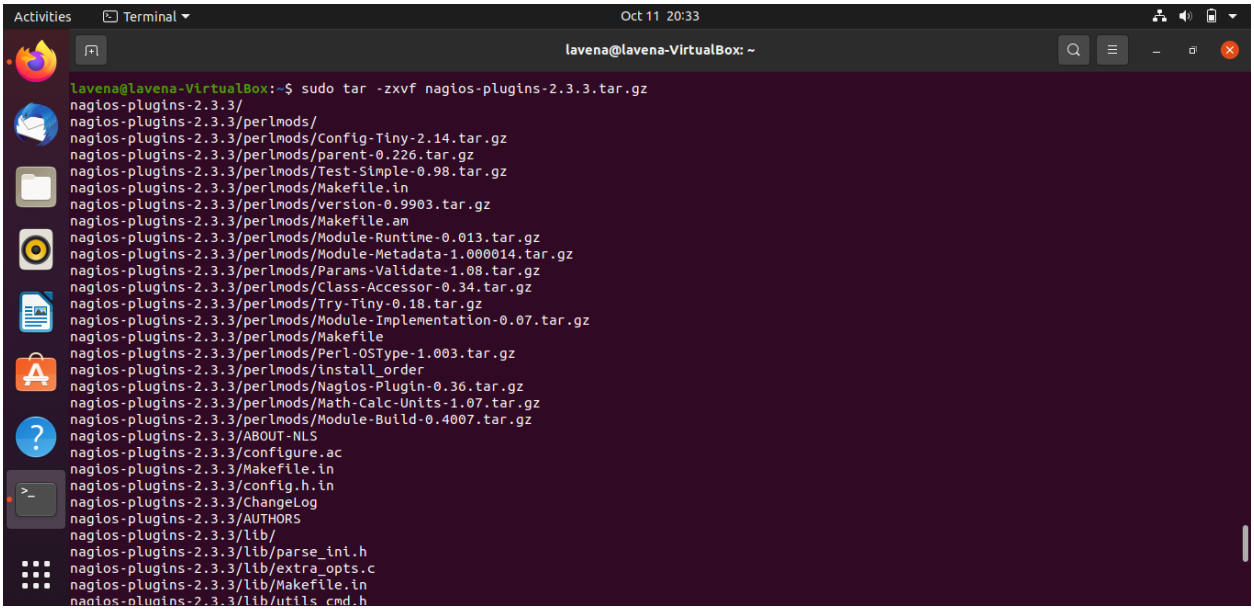


2. Install Nagios Plugins

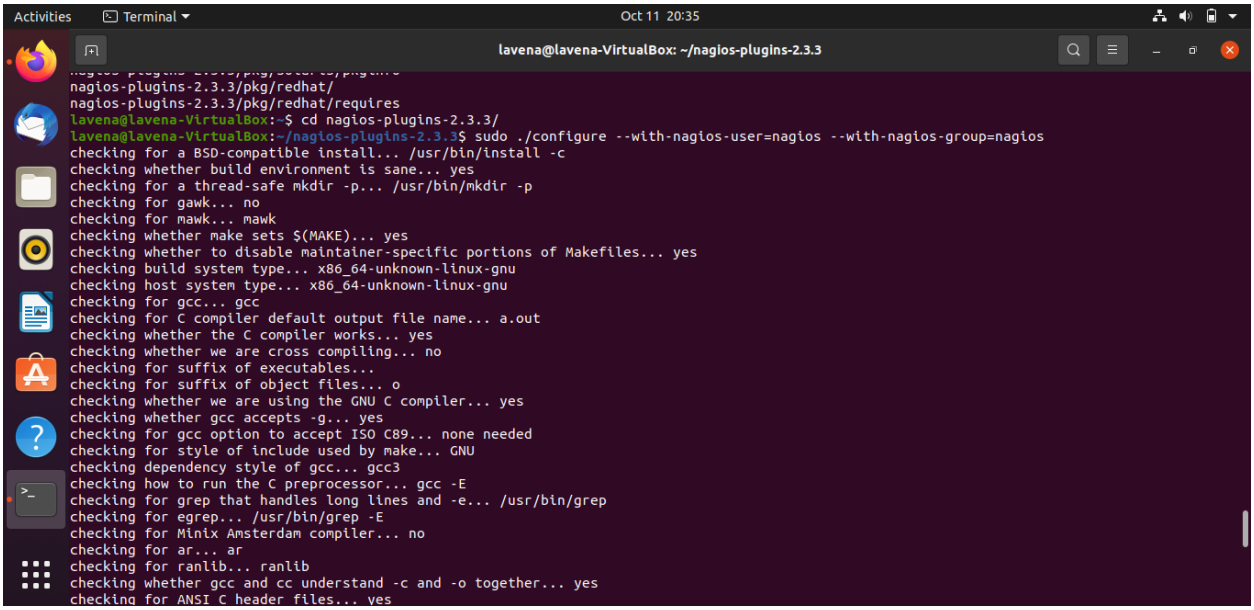
Step 1: Download the Nagios Core plugin.



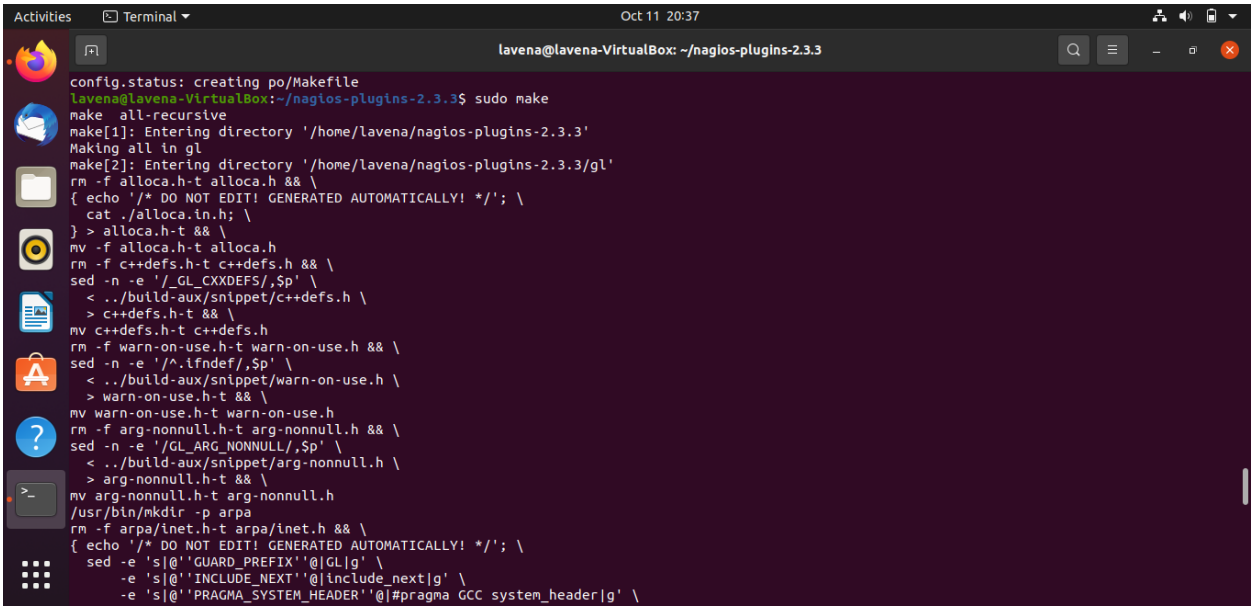
Step 2: Extract the downloaded plugin and navigate to the plugins' directory using command `$ cd nagios-plugins-2.3.3/`



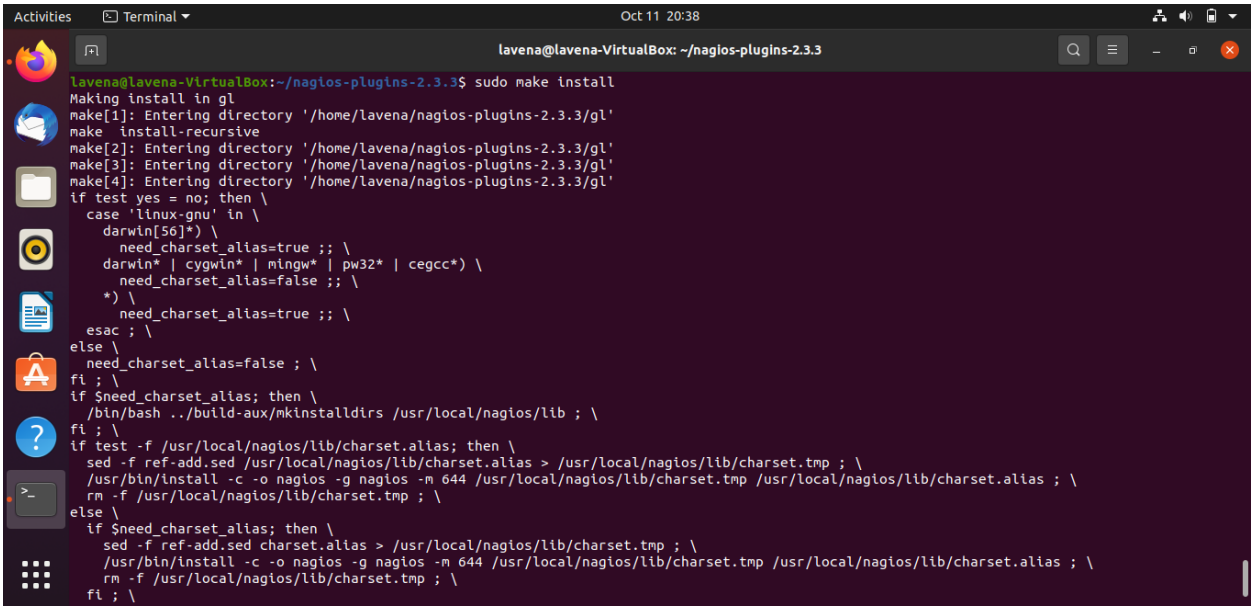
Step 3: Run the plugin configure script.



Step 4: Compile Nagios Core plugins.

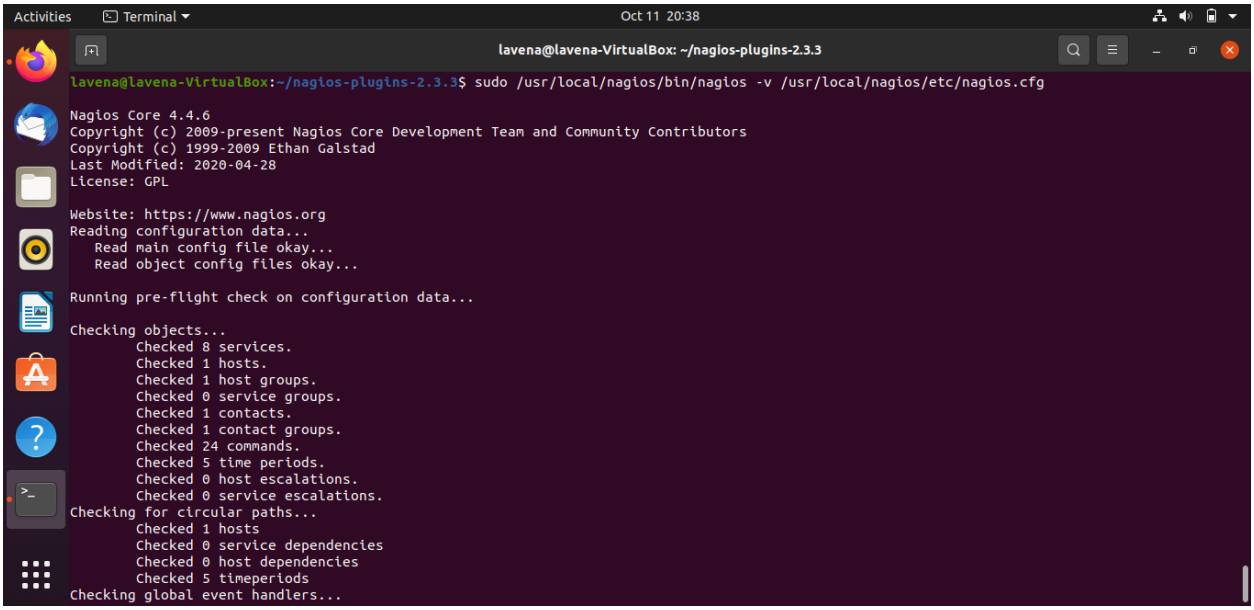


Step 5: Install the plugins.

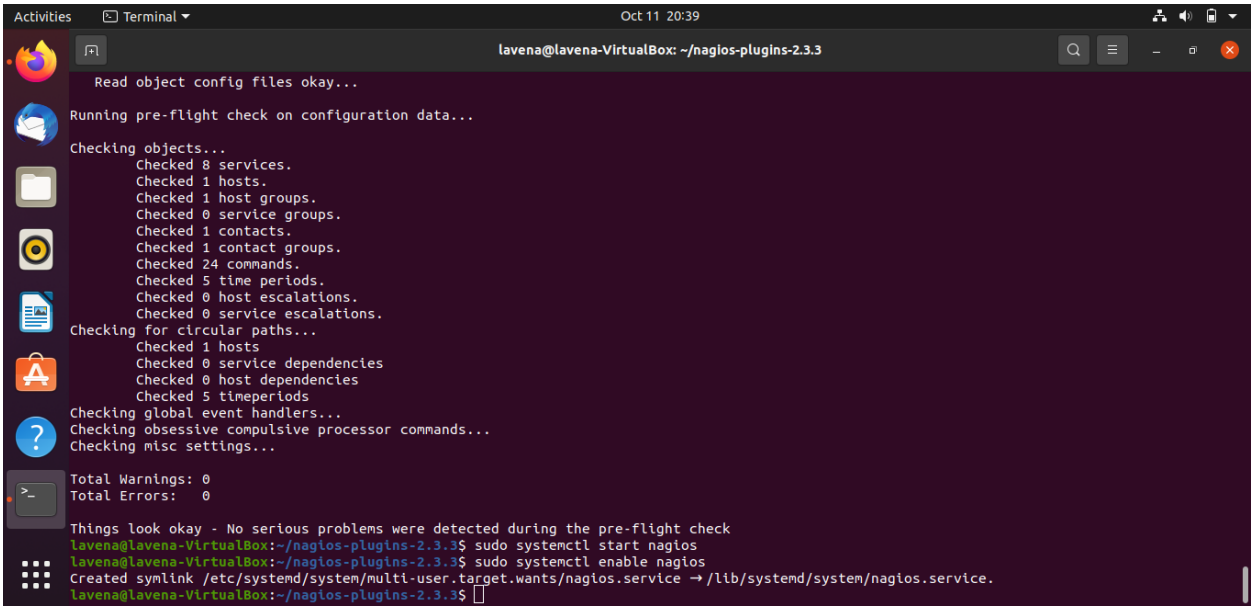


3. Verify Nagios Configuration

Step 1: Verify the Nagios Core configuration.



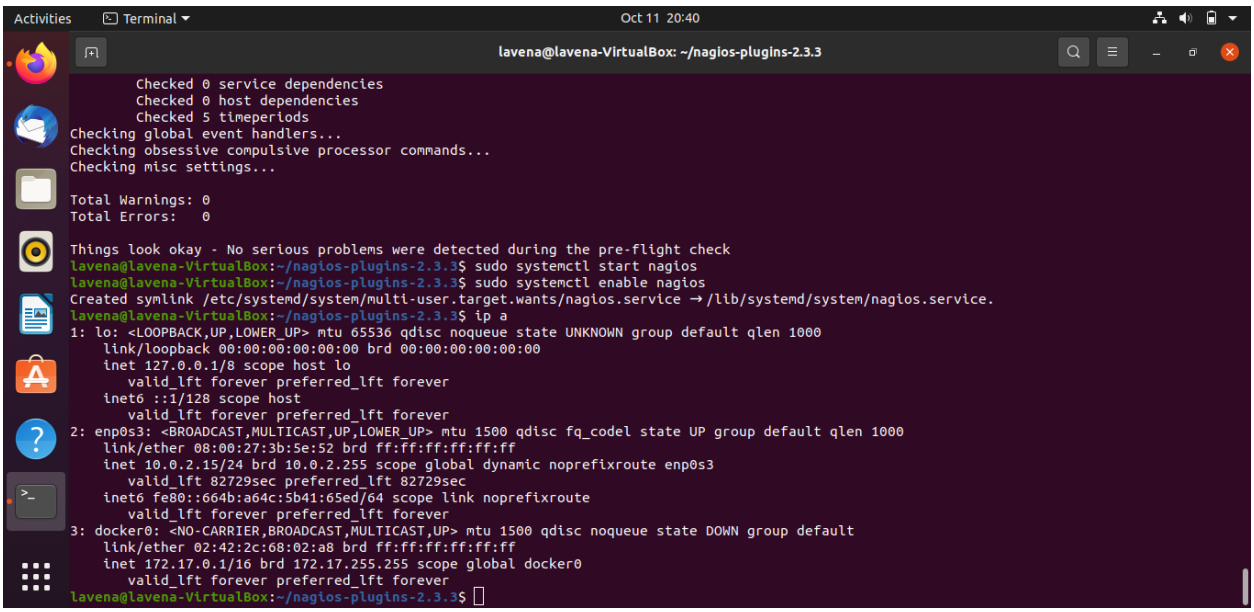
Step 2: Start the Nagios service and enable Nagios service to run at system startup.

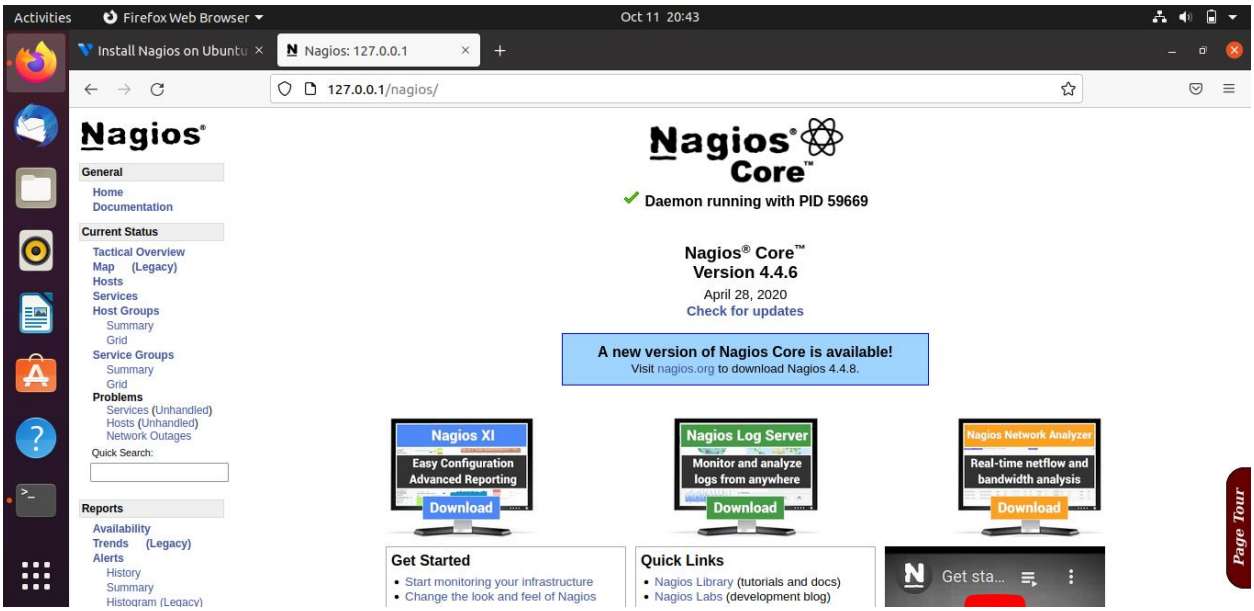


4. Access Nagios Web Interface

Open your web browser and access Nagios web interface via the URL `http://ServerIP/nagios`.

To find IP address use command: ip a





Successfully Installed and Configured Nagios Plugins

Reference:

https://www.vultr.com/de/docs/install-nagios-on-ubuntu-20-04/?lang=de&utm_source=performance-max-apac&utm_medium=paidmedia&obility_id=16876059738&utm_adgroup=&utm_campaign=&utm_term=&utm_content=&gclid=Cj0KCQjwyOuYBhCGARIsAIdGQRO6LONSLKjtHlQs1smDa4y-HgeTmA1meVkPAToKqKrekrNzvsNbFiAaAjUMEALw_wcB