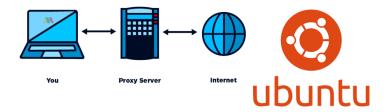


PROJECT



"Proxy Server in Ubuntu Server"

Group 2

Names : David Julian Ernestine (2120010033)

Fajar Afrianto Mustika (2120010043)

Muhammad Rhazes (2120010098)

Faculty : Kevin Harada

Semester : 2

Quarter : 2

Class : 2ISA2

CONTINUING EDUCATION PROGRAM CENTER FOR COMPUTING AND INFORMATION TECHNOLOGY, FACULTY OF ENGINEERING, UNIVERSITY OF INDONESIA 2022

PROJECT ON

Proxy Server in Ubuntu Server

Developed by

1. David Julian Ernestine (2120010033)

2. Fajar Afrianto Mustika (2120010043)

3. Muhammad Rhazes (2120010098)



PROXY SERVER IN UBUNTU SERVER

Batch Code : 2 ISA2

Start Date : June 20, 2022

End Date : July 08, 2022

Name of Faculty : Kevin Harada

Names of Developer:

1. David Julian Ernestine (2120010033)

2. Fajar Afrianto Mustika (2120010043)

3. Muhammad Rhazes (2120010098)

Date of Submission: July 08, 2022



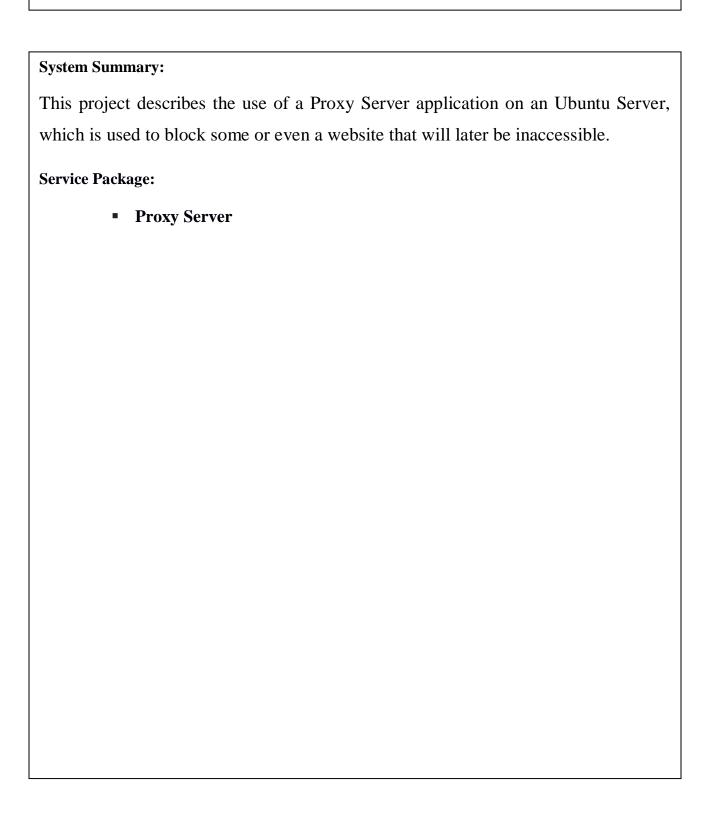
CERTIFICATE

This is to certify that this report titled Proxy Server in Ubuntu Server done by David Julian Ernestine, Fajar Afrianto Mustika and Muhammad Rhazes, in partial fulfillment of their course requirement at NIIT. Coordinator: Kevin Harada					
Coordinator:	This is to certify that this report titled Proxy Server in Ubuntu Server done by David Julian				
Coordinator:	Ernestine, Fajar Afrianto Mustika and Muhammad Rhazes, in partial fulfillment of their				
	course requirement at NIIT.				
Kevin Harada	Coordinator:				
Kevin Harada					
	Kevin Harada				

ACKNOWLEDGEMENT

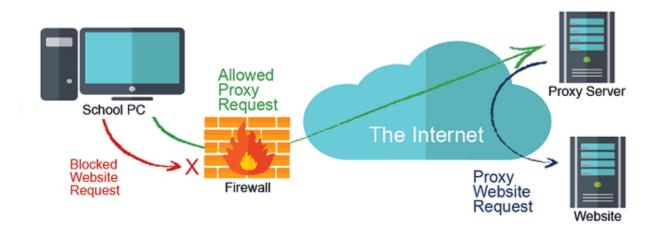
Authors would like to praise to Allah, Most Merciful bless and so authors can finish this Project entitled "Proxy Server in Ubuntu Server". Author would like to thanks to Kevin Harada as Lecturer who has given useful suggestion which are help author in writing this paper.
The writer realized that this paper far from perfection, then the writer will be very unfettered the chest and was encouraged, if colleagues and the guide's agreeing lecturer gave the suggestion & criticism for this paper perfection.

SYSTEM ANALYSIS



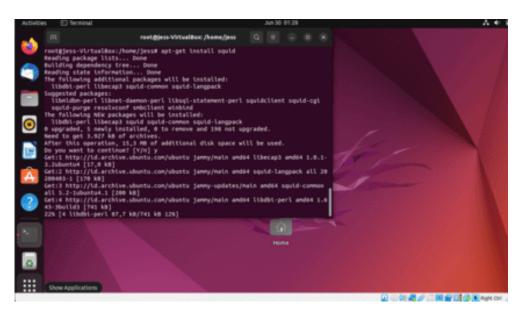
PROXY SERVER OBJECTIVES

System Process:

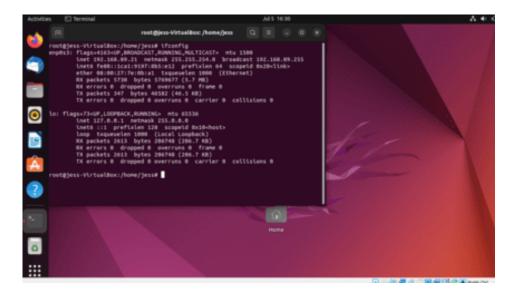


A proxy server is a server that stores frequently requested information (documents or files) from elsewhere in the network and makes it available to users or in another definition is an intermediary (computer system or application) that acts as an intermediary for requests from clients to locate resources, power from another server, client A connects to an intermediary server, requesting some service such as a file, connection, page, or other available resource from a different server. Proxies provide resources either by connecting to a specific server or by serving from cache. In some cases, proxies can modify client requests or server responses for various purposes.

System Process:

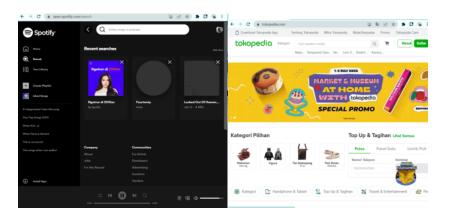


Description: First, update the system if you haven't already, if you have directly downloaded Squid with the command "apt-get install squid", and wait until the Squid is downloaded.

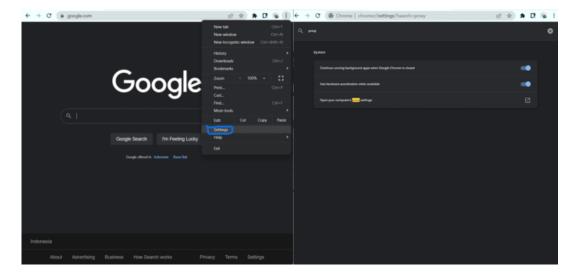


Description: In the second, if squid has been downloaded then check the ip with the "ifconfig" command, if you have searched for the inet for example "192.168.89.21", then copy the inet.

System Process:

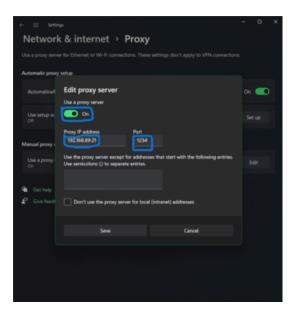


Description: Here we will block Spotify and Tokopedia as an example, above is an image of the web that has not been blocked.

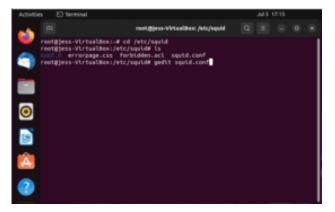


Description: Third, open the application menu on Chrome, select "Settings", and search "Proxy"

System Process:



Description: In the settings select the "Manual proxy configuration" option, paste the copied inet, then fill in the port "1234" and if everything is done, press "Save".



Description: After that go back to the terminal, to check the directory with the command "cd/etc/squid", then type the command "gedit squid.conf" to edit the file.

System Process:

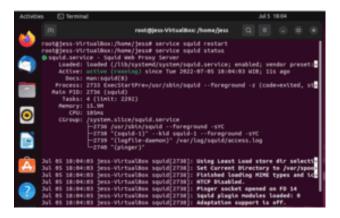


Description: After logging in, search for "http_port" if you find it, and we change the port from 3128 to 1234, then we create new command and type below it with "/etc/squid/forbidden.acl". don't forget to save it

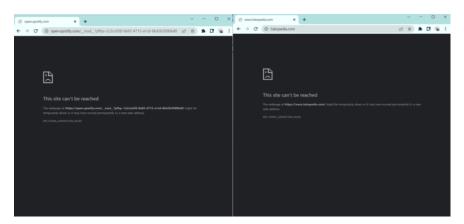


Description: After that go back to the terminal, then type the command "gedit forbidden.acl" to edit the file we create before. And type the command .tokopedia.com and .open.spotify.com for deny access internet. Save it and close

System Process:



Description: In the last, restart squid with the command "service squid restart", enter then type the command "service squid status" to see whether it is active (running) or not.



Description: Finally, go back to chrome to enter tokopedia and spotify whether it is blocked or not, above is a web image that has been blocked and below is a web image that is not blocked other than that.

CONFIGURATION

Hardware :

HP Pavilion, Intel(R) Core(TM) i5-10300H CPU @ 2.50GHz, Windows 10, RAM 8,00 GB

Operating System :

Ubuntu 222.04, Microsoft Windows 10

Software :

Oracle Virtual Box

PROJECT FILE DETAILS				
No	File Name	Remarks		
1.	PROJEK3PROXY.doc	Word Document Contain Relation		
2.	Project Proxy Server.pptx	Power Point Contain Relation		
3.		Video Presentation		