PROJECT 3
Implementation of Proxy on Ubuntu for Blocking Illegal Websites

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Class :

2 ISA 3

Continuing Education Center for Computing and Information Technology

Faculty of Engineering, University of Indonesia

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PROJECT ON

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NIIT

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CERTIFICATE

This is to certify that this report titled "Implementation of Proxy on Ubuntu for Blocking Illegal Websites" embodies the original work done by Ahmad Farhan Ibrahim, Muhammad Zidan Satrio, and Pria Adil Laksana Irawan.Project in partial fulfillment of their course requirement at NIIT.

Coordinator,

Kevin Harada, S.Tr.Kom.

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ACKNOWLEDGEMENT

First let us give prays to God who give guidance to us untill we gain complete our Project, entitled "Implementation of Proxy on Ubuntu for Blocking Illegal Websites" As we write this article, we get a lot of support from various parties. Among others :

1. Our parents, who always help in the form of spirit and material.
2. Kevin Harada, S.Tr.Kom. as faculty of CCIT Faculty of Engineering, University of Indonesia.
3. Our friends who always give the information that they know, exchange ideas and give encouragement to us in writing this article.

We know that the result of our article is far from perfect and there are still many shortcomings, we hope readers will give comments and suggestions in building this article in order to become better. We hope this article can be useful for those who read or hear, especially for CCIT students of the Faculty of Engineering UI.

Best Regards,

Author

SYSTEM ANALYSIS

System Summary:

Ubuntu is a Linux-based operating system. It is designed for computers, smartphones, and network servers. The system is developed by a UK based company called Canonical Ltd. All the principles used to develop the Ubuntu software are based on the principles of Open Source software development.Now, we will talk about our Ubuntu server project about "Implementation of Proxy on Ubuntu for Blocking Illegal Websites".
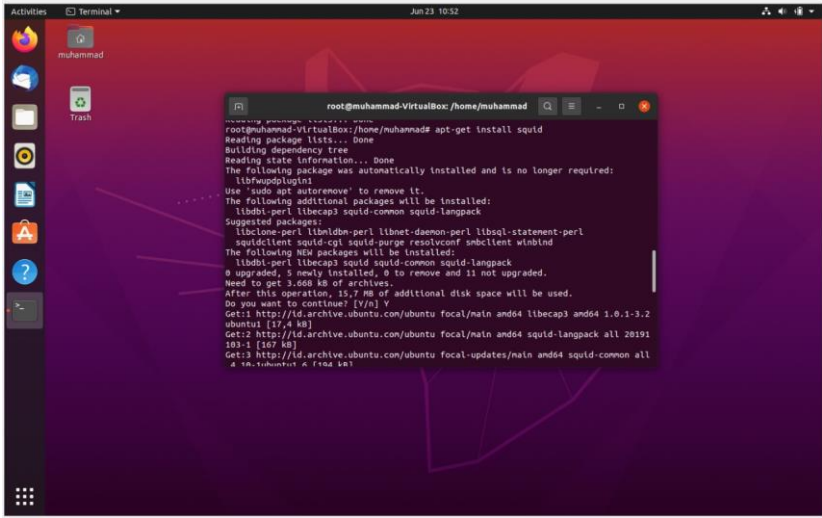
This project describes the use of a Proxy Server application on an Ubuntu Server, which is u Service Package:
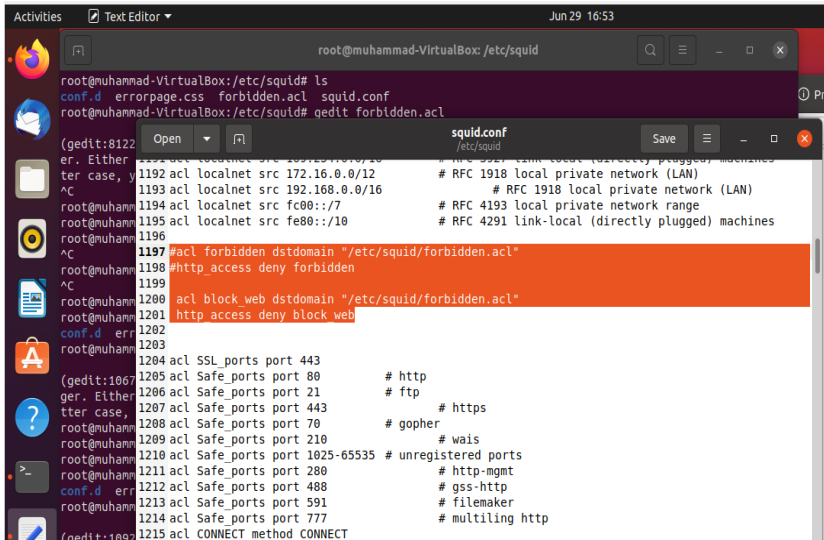
Service Package:

- Proxy Server

INSTALLING SQUID AND CONFIGURATION

1. First, open the terminal on Ubuntu Linux, then type "sudo su" to enter root level, before we start configure our proxy we must installing squid
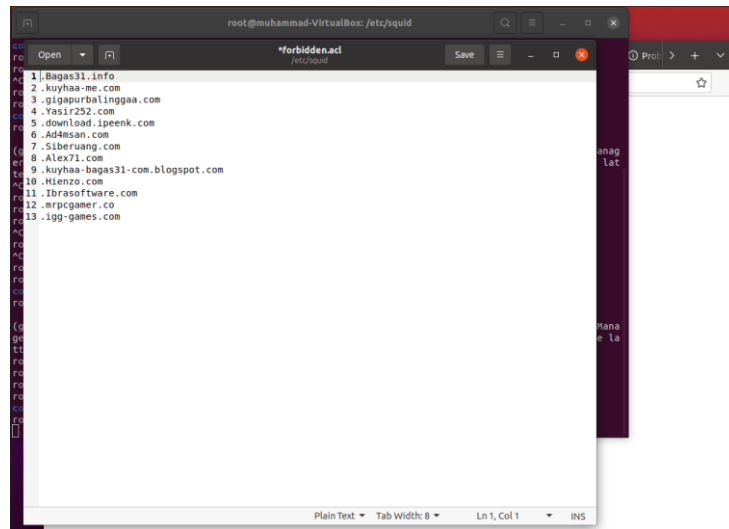

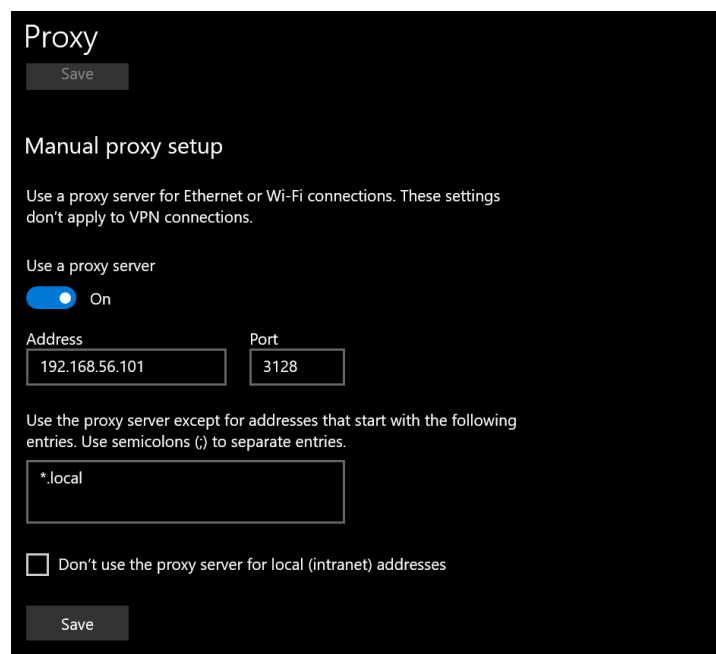2. After we installing squid, then for configuring squid, we must input "gedit squid.conf"

WEBSITES THAT WE BLOCK AND PROXY SETUP

3. After we configuring squid, then change direction to /etc/squid/forbidden.ac and open it, in here we input the list of All website that we want to block it.
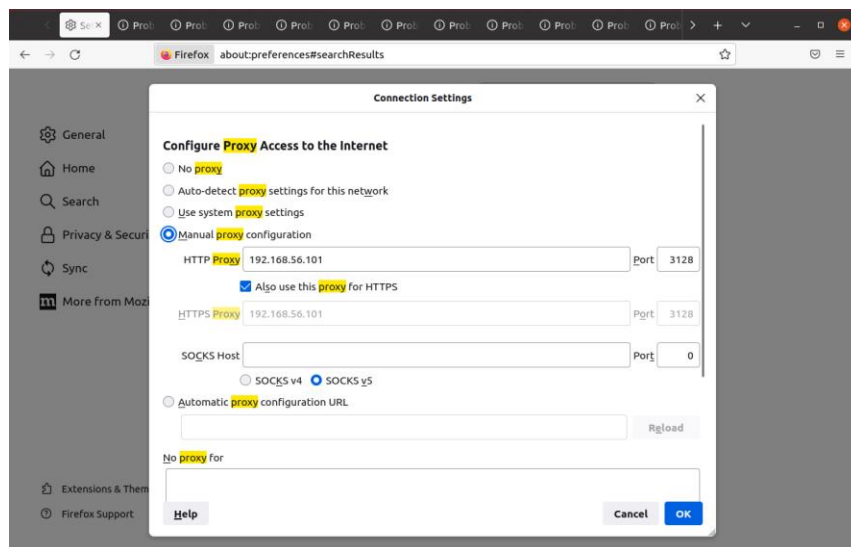

4. Next, we must setting the proxy setup on PC client

PROXY SETUP AND TESTING ON VM

5. After we setting the proxy setup on PC client, we must setting our proxy too on virtual Machine, then we open the firefox on ubuntu and go to setting on firefox then we search proxy and go to connection settings then we choose manual proxy configuration to configurating the proxy.
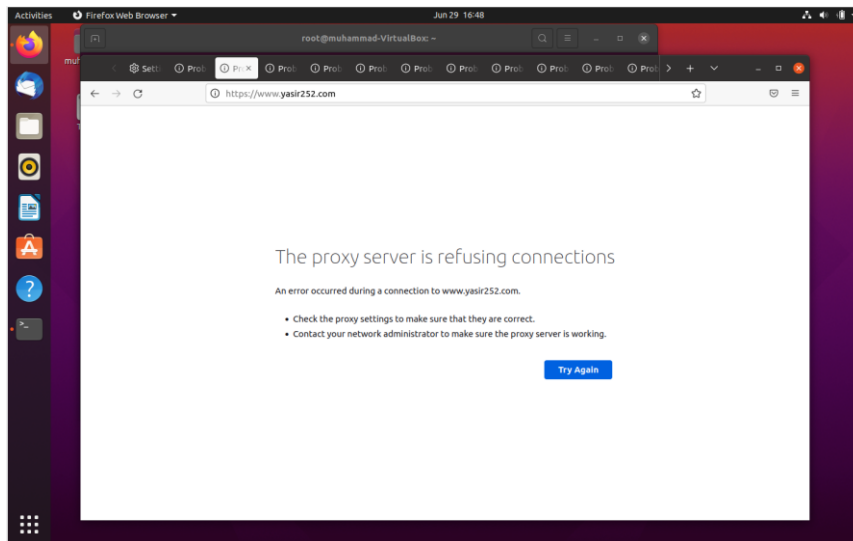

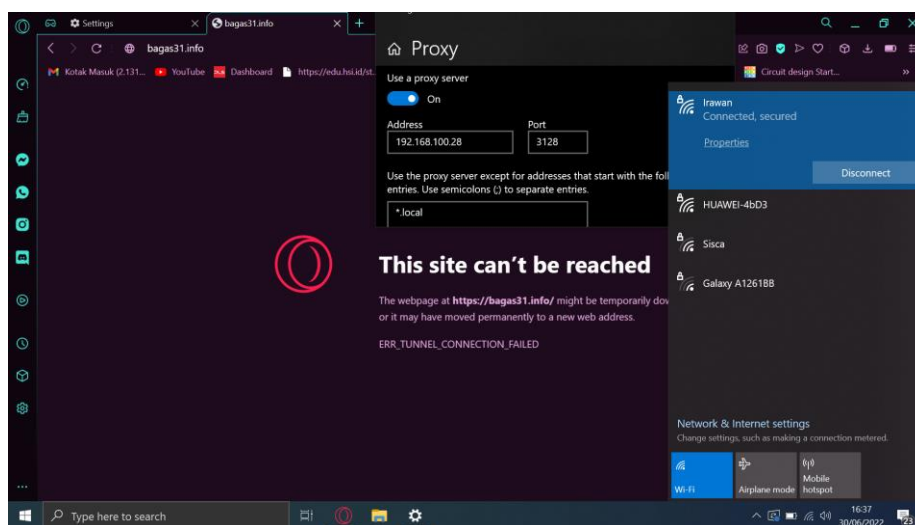6. Then, we open the website that we have blocked.
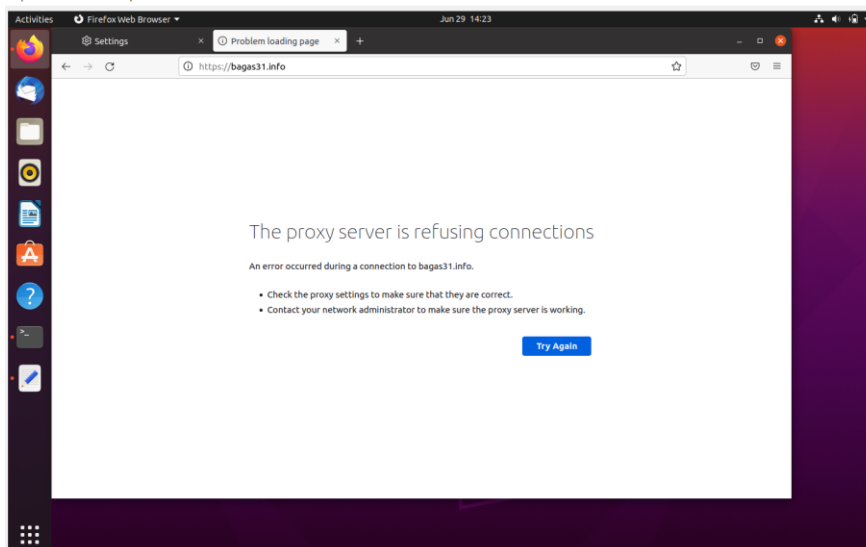
PROXY TEST IN ANOTHER NETWORK ON PC CLIENT

7. Then, we can check all the website that we have blocked, and then we can see that the website have finished to block.

8. And the last, we must testing all the website that we have blocked on PC client in Other network.

CONFIGURATION

Hardware : AMD RYZEN 5 5500U, RAM 16 GB, SSD 512 GB

Operating System : Windows 10 and Ubuntu Linux

Software : Virtual Box Machine

PROJECT FILE DETAILS		
No	**File Name**	**Remarks**
1	2 ISA 3_Group 2_Projet 3	Word Document
2	Implementation of proxy on ubuntu for blocking illegal website	Power Point