

AIM

The aim of this lab is to build an interactive web-based terminal. This interaction is not just to see the output of an executed command on a browser but to hover over the command outputs to see the info about that command i.e. what are the arguments? and how many are there?.

INTRODUCTION

Linux Lab is a tool for learning a commandline interface in an innovative way. The main motives behind this lab are :

- To save time and learn efficiently as usually it takes a good deal of time and experience to learn a commandline.
- With this Lab, one can learn Linux without damaging his system as this Lab uses a webbased terminal emulator.
- One can learn Linux without installing a Linux operating system.
- It provides a terminal emulator on the user's browser while taking care of security considerations.

METHODS

This lab is a combination of many servers put together to achieve the desired goal.

Here is the list of the servers :

1. L.DAP server
2. Gateone server
3. SSH server-

RESULTS

Linux lab is ready to be integrated with virtual labs. The Lab is ready with a webbased terminal emulator for ubuntu 14.04. The whole process of setting the Linux Lab on ubuntu 14.04 is automated with a bash script.



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