Online Training Lab Environment

KENET UNIX/LINUX virtual computing lab

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Agenda

➢Brief Introduction of the Lab Environment

➢Accessing the LAB

➢Registration

➢Available Operating systems

➢Creating/destroying Virtual machines

➢Automated features

➢Proposed features

Introduction

- The Virtual Computing Lab developed by KENET allows staff, faculty and students within KENET members to register to the cloud environment and upon approval they can utilize the computing resources by self-provisioning a virtual machine within a few seconds.
- Currently the lab is being used for running ISOC introduction course.

Accessing the Lab

➢The lab leverages on open source cloud environment and provides a web access portal which is user friendly.

➢The access url is:

➢*https://vlab.ac.ke*

Registration

➢Users are encouraged to sign up using their institutional verified emails for verification purposes.

➢Ensure that you use a strong password to lower the risk of a security breach e.g combine uppercase,lowercase, numbers and other unique symbols

Available operating systems/images

➢ Debian Jessie Base System
➢ Debian Jessie Desktop
➢ CentOS 7.x
➢ Fedora Desktop 23
➢ Ubuntu Desktop LTS 16.04
➢ Ubuntu Server LTS 16.04
➢ Ubuntu Desktop LTS 14.04
➢ Ubuntu Server LTS 14.04
➢ OpenSUSE Server 42.2

Automated features

➢Self destruction of virtual machines with elapsed time duration.
➢Auto creation of dns records

Proposed Features

➢Self provisioning and reservation portal.
➢IPV6 readiness.
➢Increase/upgrade computing resources.
➢Any suggestions?

Questions