MUFIX'
COMMUNITY

Course Outlines

Linux Ideas and History

• An Introduction to Linux and Open Source: what are the central ideas behind the

Linux phenomenon and where do they come from?

Linux Usage Basics

• Logging into the system, changing users and editing text files.

Running Commands and Getting Help

• How to use built-in and online documentation to enhance your experience.

Browsing the File-system

• Understanding the locations of important directories on Linux

system and navigating them from the command line and using the graphical Nautilus

browser (GNOME).

Users, Groups and permissions

• Reading and setting permissions on files and directories.

Using the bash Shell

• Basic tips and tricks to make Linux's default shell work for you.

Topics include tab completion, history and an introduction to shell scripting

Standard I/O and Pipes

• The ins-and-outs of redirecting output between programs and files.

Text Processing Tools

• An introduction to some of the most useful text-processing utilities in Red Hat

Enterprise Linux, including grep, cut, sed, sort, diff and patch.

Vim: An Advanced Text Editor

• How to get the most out of the powerful and flexible vim text editor?

Investigating and Managing Processes

• Listing, terminating and scheduling program executions on a Red Hat Enterprise

Linux system.

Finding and Processing Files

• In-depth coverage of using the find command and related utilities to locate and act

upon files based on arbitrary criteria.

The Linux File-system In-Depth

• The nuts-and-bolts of how Red Hat Enterprise Linux deals with filesystems. Topics

include partitions, inodes, linking and archiving tools.

Training Prerequisites

Linux CentOS ISO Image

http://isoredirect.centos.org/centos/8/isos/x86_64/

VMware workstation pro

https://www.vmware.com/products/workstation-pro/workstation-pro-evaluation.html

Sessions Schedule

12 Sessions each session in 2 h time with 10 m break