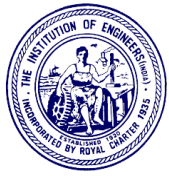




Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

Old Bombay Road, Gachi bowli, Hyderabad – 500 032. TS, India



INFORMATION TECHNOLOGY DIVISION

Continuing Professional Development Programme

Linux Server Administration

(To Become a Master in Linux Server Administration)

Linux™



27 Aug – 01 Sept, 2018



(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

Introduction

Linux is a Unix-like computer operating system assembled under the model of free and open source software development and distribution. Linux based systems are increasingly being used to power mission critical server systems, network servers and desktops. With its open source heritage and rich applications, organizations have for the first time available with them open standards based platform. Linux is a "modern operating system", with features such as High Data Security, Virtual Machines, memory protection, and preemptive multitasking.

Objective

The objective of the hands-on training is to help systems engineers and administrators acquire a practical insight into the working and administration of a Linux based system.

The Engineering Staff College of India (ESCI) has therefore considered it very timely to conduct a training programme on "**Linux Server Administration**".

Course Coverage

- Overview Of Linux
- Linux File Structure
- Browsing Linux File system
- User & Groups Administration
- Files & Folder Permissions
- File System Management
- Encryption with LUKS
- Quota Management & ACL
- Linux Networking & Remote Access Tools
- Process Management & Job Scheduling
- System Initialization & Service Management
- Logical Volume Manager(LVM)
- Package Management
- Configuring YUM Server
- Perform automated software updates
- Network File Sharing (NFS)
- Xinetd Services and TCP wrappers
- Network & Kickstart Installation
- SELinux Security
- Configure FTP Server
- Kernel Modules & /proc File System
- Configuring NIC Bonding
- Configuring Samba server
- Configuring DHCP Server
- Apache Web Server
- Squid Proxy Server
- Network Monitoring Tools
- Configuring Kernel Virtual Machine (KVM)
- Linux Troubleshooting

Methodology

Methodology of the programme includes class room sessions with **Hands-on Practical**, audio visual aid, bench marked video shows, chalk & talk sessions, group discussions, case studies, debates, sharing of experiences etc. All the sessions will be interactive demanding active participation from all the members.

Target Participants

- ❖ System Administrators, IT Managers, System Managers
- ❖ Professional's involved in System Administration from Telecom/ Defense/ Other Govt. Departments
- ❖ Professors/ Assistant Professors/ Faculty and Technical Staff of Engineering / MCA Colleges

Benefits to the participants

Hands-on Practical experience to configure Linux Servers

At the end of the program, participants will be able to understand how to administer Linux network and servers. They will be able to create users, configure servers and trouble shoot Linux problems.

Programme Venue, Dates & Timings

Venue: Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad. 500032. Telangana, India.

Dates: 27 Aug - 01 Sept, 2018

Timings: On the first day Registration will commence at 09:00 hrs. On all other days the programme timings will be from 09:45 – 17:15 hrs with breaks in between for tea and lunch.

Course Director

Mr. Syed Azgar , MBA(IT), RHCE, MCSA

Faculty & Head I/c,

Information Technology Division,

Engineering Staff College of India, Hyderabad.

Course Fee

₹ 27,000/- (**Residential Fee**) per participant. Fee includes course material, course kit, twin-sharing / single AC accommodation as per availability, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks during the actual days of training programme.

DISCOUNTS

- ❖ **Non – Residential Fee** - 10% discount on course fee is allowed for non- residential participants.
- ❖ **Group Discount** - Additional 10% discount for three or more participants if sponsored by the same organization

(All discounts are applicable only if fee is received at ESCI before commencement of the programme)

GST @18% is to be paid extra and above the training fee as training. **PAN Card No.** AAATT3439Q. **GST No:** 36AAATT3439Q1ZV, **HS No.:** 999293 (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Programme fee is to be paid in in favour of “**THE INSTITUTION OF ENGINEERS (INDIA) – ENGINEERING STAFF COLLEGE OF INDIA**” in the form of demand draft payable at Hyderabad. Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI – **Axis Bank A/c No. 912010049234564** with The Axis Bank Ltd, Old Mumbai Hwy, Cyberhills Colony, P Janardhan Reddy Nagar, GachiBowli Hyderabad-500032 by NEFT/ RTGS/ IFSC Code No. UTIB 0000733 – MICR No.500211020. **While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.**

Register Online: <http://www.escihyd.org/index.php/it-upcoming-trainings>

To register **manually** please send your nominations giving details of name, designation, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to :

The Head

Information Technology Division

Engineering Staff College of India

Gachi Bowli, Hyderabad – Telangana 500 032

Phone: 040 – 66304100 (EPABX) 66304123/24/25 (Direct), Fax: 040 - 23000336

Email: it@escihyd.org, web portal: www.escihyd.org

A Certificate of participation will be awarded to each participant on conclusion of the programme.

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of outstation participants, ESCI will facilitate pick-up and drop from Airport / Railway Stations / Bus Stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participant directly to the Cab.
- ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200 h) and one day after conclusion (Check-out 1200 h) of the programme duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation)
- Well developed Information Centre and Internet facilities are available to the participants.