About IPE

The Institute of Public Enterprise (IPE) was established in 1964, as an autonomous non-profit society at the initiative of Mr SS Khera, ICS (the then Cabinet Secretary, Government of India). Having just completed its Golden Jubilee, during the five decades of its existence, IPE has made an outstanding contribution to research, consultancy, executive training and management education and its courses are duly accredited by the Association of Indian Universities (AIU), National Board of Accreditation (NBA) and the South Asian Quality Assurance Systems (SAQs). IPE is among the top 40 Management Institutions in India according to Ministry of HRD, Govt. of India.

IPE is also recognized as 'Centre of Excellence' by the Indian Council of Social Science Research (ICSSR), Ministry of Human Resource Development, Government of India, New Delhi for doctoral studies. Over the years, the Institute has developed strong linkages with renowned academic institutions and industries including Universities in USA, UK, Australia, Slovenia amongst others. The institute has undertaken research and consultancy assignments for national and international organizations like the World Bank, Asian Development Bank (ADB), International Centre for promotion of Enterprises (ICPE) etc., The Institute has also been offering consultancy services to various departments of the Government of India, State Governments, public and private sector organizations.

Prof. R. K. Mishra, who is a widely recognized expert in public enterprise management is currently the Director of IPE. The Institute is governed by a body of eminent professionals, academics and administrators with Shri. K.Madhava Rao, IAS (Retd), as the President.

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IPE | INSTITUTE OF PUBLIC ENTERPRISE
Hyderabad

Three Day Training Programme
on
LINUX ADMINISTRATION
29-31 August 2016

INFORMATION TECHNOLOGY DIVISION

Programme Director
Dr. A N K Prasanna Anjaneyulu

Introduction

Linux is a Unix-like computer operating system assembled under the model of free and open source software development and distribution.Linux powers 94% of the world's supercomputers, most of the servers powering the Internet, the majority of financial trades worldwide and a billion Android devices. In short, Linux is everywhere. It appears in many different architectures, from mainframes to server to desktop to mobile and on a staggeringly wide variety of hardware. 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.

Programme Outline

⇒ Linux Architecture
⇒ Installation
  ♦ Types of Installation - DVD, USB, Network
  ♦ System Startup and Shutdown
  ♦ GRUB
  ♦ Booting sequence and parameters
  ♦ Partitioning and Formatting Disks
  ♦ Encrypting Disks
⇒ Linux Filesystems and the VFS
⇒ Logical Volume Management (LVM
⇒ Sotware RAID
⇒ Package Management
⇒ System Monitoring
⇒ User Account Management
⇒ Group Management
⇒ File Permissions and Ownership
⇒ Quota Management & ACL
⇒ Network Devices, bonding and Configuration
⇒ Kernel Parameters
⇒ Remote Access
⇒ Network File Sharing (NFS)
⇒ Configure FTP Server

⇒ Kernel Modules & /proc File System
⇒ Configuring Linux Domain Controller
  ♦ Configuring Samba server
  ♦ Configuring DHCP Server
  ♦ Configuring DNS Server
⇒ Configuring Apache Web Server
⇒ Configuring Squid Proxy Server & Firewall
⇒ KVM Virtualization
⇒ Linux Security & Troubleshooting

Programme Methodology

The Programme will be conducted in an interactive environment providing greater scope for discussions. The training provides 50:50 demonstration and hands-on practice schedule will be the effective approach on how to work with LINUX. The faculty will act as provocateurs and resource persons and demonstrate the software. The participants are expected to play a very active role not only as learners and facilitators but also as experts and practitioners in their own right.

Resource Persons

Experts for the course are mix of senior and experienced practicing professionals who have got practical experience in Linux Administration.

Who Should Attend

This programme is designed for people who have little or no prior experience with Linux or Unix. System administrators, IT Managers, Systems Managers, Developers, Architects, Decision makers, Professors, Faculty and Technical Staff of Engineering Colleges or new Linux users can all benefit from the content covered in this programme, especially if they are looking to work with more involved topics such as Linux system administration, network management and enterprise system architecture.

Dates & Venue

29 - 31 August 2016, Institute of Public Enterprise, Osmania University Campus, Hyderabad.

Non-Residential Fee

- **Rs. 14,000 /- + Service Tax** per participant. Fee includes course material, course kit, Lunch, Tea and Snacks during actual days of training programme.
- IPE will provide accommodation to the participants on chargeable basis.

- 10% discount on Fee for 3 or more nominations.

Registration

Nomination details along with demand draft drawn in favour of "**Institute of Public Enterprise**" payable at Hyderabad should be sent preferably to the following address.

Programme Director

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Certificate of Participation

IPE issues a certificate of participation along with a group photo of participants on the conclusion of the programme.