



# SPYPRO SECURITY SOLUTIONS Pvt. Ltd.,

C Y B E R S E C U R I T Y

## **5-Days Workshop RED HAT LINUX ADMINISTRATIONS**

Join us for a comprehensive 5-day workshop on Red Hat technologies, designed to equip participants with the knowledge and skills needed to become proficient in Linux administration and open-source solutions. This workshop is ideal for IT professionals, system administrators, and anyone interested in expanding their expertise in Red Hat and Linux.

### **Topics to be covered in RED HAT LINUX ADMINISTRATIONS**

#### **Day 1: Introduction to Red Hat and Linux Fundamentals**

- Introduction to Red Hat and its products
- Understanding the Linux operating system
- Command-line basics and shell scripting
- File system navigation and manipulation
- User and group management
- Permissions and access control

#### **Day 2: Red Hat Enterprise Linux Administration**

- Red Hat Enterprise Linux installation and configuration
- Package management with YUM
- Managing services and processes
- System performance monitoring and tuning
- Networking fundamentals and configuration
- Introduction to firewalls and security

#### **Day 3: Red Hat System Administration**

- Managing storage with LVM (Logical Volume Manager)
- Filesystem administration and disk quotas
- Backup and recovery strategies
- Managing user authentication with LDAP

- Configuring network services (DNS, DHCP, NFS, etc.)
- Introduction to virtualization with KVM

#### **Day 4: Red Hat Network Services**

- Configuring Apache HTTP Server
- Introduction to load balancing and reverse proxies
- Managing secure remote access with OpenSSH
- Implementing secure file transfer with SFTP
- Setting up a mail server with Postfix and Dovecot
- Monitoring and logging with syslog

#### **Day 5: Red Hat Security and Automation**

- Introduction to SELinux (Security-Enhanced Linux)
- Implementing secure network communication with IPsec
- Introduction to Docker and containerization
- Introduction to Ansible for configuration management
- Automating tasks with Bash scripting
- Red Hat certifications and career path

**Duration:** The duration of this workshop will be three consecutive days, with 6 hour session each day in a total of 30 hours properly divided into theory and hands on practicals sessions.

### **Certification Policy:**

- Certificate of Merit for all the workshop participants from SmartBridge.
- At the end of this workshop, a small competition will be organized among the participating students and winners will be awarded with a '**Certificate of Excellence**'.
- Certificate of Coordination for the coordinators of the campus workshops
- Internship and placement also provide for selected student..

**Eligibility:** It's a basic level workshop so there are no prerequisites. Anyone interested, can join this workshop.

### **Pre-Requisites:**

- Seminar hall/classroom having sitting capacity of 200 students for conducting hands on session for all the participants.
- Good Quality public address system ideally one/two cordless mikes will be required.
- Projector/ Screen along with black/white board for teaching and presentation purposes.
- One small stereo jack cord to connect in laptop for its sound system.
- Laptop/Computer per two students is necessary.
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**Fee: Rs. 600/- (inclusive of all Taxes) per participant.**

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**Cyber Security | Ethical Hacking | Cyber Forensics | Projects & Training**

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