KIVILAC TECHNOLOGIES LINUX AND CYBER SECURITY TRAINING

Linux and Cyber Security Training Program

In today's digital landscape, Linux has become a critical operating system used extensively in various industries. Coupled with the increasing importance of cyber security, it's imperative for individuals and organizations to possess strong skills in both Linux administration and cyber security practices. This training program aims to equip participants with the knowledge and hands-on experience required to proficiently work with Linux systems while maintaining a robust cyber security posture.

Course Objectives:

The Linux and Cyber security Training Program is designed to achieve the following objectives:

Linux Proficiency: Participants will gain a comprehensive understanding of Linux operating systems, including installation, configuration, user management, file systems, and command-line utilities.

Networking Fundamentals: Covering networking concepts essential for Linux administration, including IP addressing, routing, DNS, and network troubleshooting.

Security Foundations: Understanding core cyber security principles, threats, vulnerabilities, and risk management strategies.

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Cyber Security Tools: Exploring various cyber security tools for threat detection, intrusion prevention, and incident response.

Secure System Administration: Learning advanced Linux administration techniques to enhance system security and efficiency.

Encryption and Authentication: Delving into encryption methods, digital certificates, and authentication mechanisms to secure data and communication.

Firewall and Network Security: Understanding firewall concepts and implementing network security measures to safeguard against unauthorized access.

Vulnerability Management: Identifying, assessing, and mitigating vulnerabilities within Linux systems.

Course Outline:

Module 1: Introduction to Linux

- Linux history and distributions
- Installation and basic configuration
- File system management
- Command-line essentials

Module 2: Linux System Administration

- User and group management
- Process control and monitoring
- System backup and recovery

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Module 3: Networking for Linux Administrators

- TCP/IP fundamentals
- Network configuration and troubleshooting
- Remote access and SSH

Module 4: Introduction to Cyber security

- Cyber security fundamentals
- Types of attacks and threats
- Risk assessment and management

Module 5: Cyber security Tools and Technologies

- Antivirus and anti-malware solutions
- Intrusion detection and prevention systems
- Security information and event management (SIEM) tools

Module 6: Secure System Administration and Hardening

- Security best practices for system administration
- Access control and permissions
- System hardening techniques

Module 7: Encryption and Authentication

- Public-key infrastructure (PKI)
- SSL/TLS encryption
- Multi-factor authentication (MFA)

Module 8: Firewall and Network Security

- Firewall concepts and types

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Configuring and managing firewalls
Network segmentation for security

Module 9: Vulnerability Management and Penetration Testing

Vulnerability assessment tools
Penetration testing methodologies
Patch management

Module 10: Incident Response and Cyber security Policies

Incident response phases
Developing cyber security policies
Legal and ethical considerations

Delivery Format:

The training program will be conducted through a combination of instructor-led lectures, hands-on labs, group discussions, and practical exercises all done virtually.

Target Audience:

This training program is suitable for IT professionals, system administrators, network engineers, and individuals seeking to enhance their Linux and cyber security skills.

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Duration:

The training is for two weeks (ten working days)

Post-Training Support

Extra help after training: We provide post-training support to ensure participants can implement their new skills in real-life scenarios, offering ongoing support and guidance through additional resources and implementation plans.

Training Investment

Training Costs Per Person

Two Hundred and Fifty Thousand Naira (N100,000.00)

Value for Investment

We make our training programs friendly, affordable by providing competitive pricing and excellent value. We guarantee this training will improve participants' digital capabilities, boosting efficiency, and productivity, ultimately providing a significant return on investment.