



THE UNITED REPUBLIC OF TANZANIA
INSTITUTE OF ACCOUNTANCY ARUSHA



SHORT COURSE ANNOUNCEMENT
ON
RED HAT 8 CERTIFIED SYSTEM ADMINISTRATION PROGRAMME

(26th – 30th August 2019 - IAA Arusha Campus, Arusha)

1.0 COURSE BACKGROUND

This hands-on Red hat 8 system administration course teaches participants how to install, configure and maintain an Enterprise Red hat 8 system in a networked environment. Participants will learn to perform basic administrative tasks such as adding and managing users, creating and maintaining file systems, developing and implementing a security policy, as well as performing software installation and package management. Additionally, participants will perform Linux network-related tasks, to include installing and supporting SSH, NFS, Samba, and the Apache Web server. Comprehensive hands on exercises are integrated throughout to reinforce learning and develop real competency.

2.0 COURSE CONTENTS

Upon completion of the Red Hat RHCSA Course, you will demonstrate competence and learn to master:

(a) Understand and Use Essential Tools

- Input/Output Redirection
- Using grep and regular expressions
- Accessing Remote Systems with ssh
- Logging in and Switching Users
- Compressing and Decompressing Files
- Creating and Manipulating Files
- Linking Files
- File Permissions
- File Permissions: umask
- Using System Documentation
 - Hands On LAB: Using SSH, Redirection, and Permissions in Linux

(b) Operate Running Systems

- Managing the boot process
- Managing Individual Processes
- Logging

- Virtual Machines
 - Service Manipulation
 - Transferring Files
 - Hands on LAB: Virtual Machine Learning Activity - VMs
- (c) Configure Local Storage**
- LVM
 - Manipulating Partitions
 - Managing Mounted Disks
 - Hands on LAB: Storage Management
 - Hands on LAB: Working with LVM Storage
- (d) Create and Configure File Systems**
- Network File Systems
 - File Permissions: ACLs
 - Hands on Lab: Network File Systems
- (e) Deploy, Configure and Maintain Systems**
- Network Configuration
 - Network Time Protocol
 - Scheduling Tasks
 - Modifying the System Bootloader
 - Updating and Installing Packages
 - Using LDAP for Authentication
 - Hands On Labs: Maintaining Linux Systems
 - Hands On Labs: Using LDAP for Authentication
- (f) Manage Users and Groups**
- Manipulating User Accounts
 - Password Management and Aging
 - Managing Groups
 - Hands On Labs: Managing Users in Linux
- (g) Managing Security**
- Configuring the Firewall
 - SELinux
 - Hands On Lab: SELinux Learning Activity
 - Hands On Lab: Final Practice
- (h) RHCSA 8 Updates**
- Adjust Process Priorities
 - Persistent Journals
 - Disk Compression (Virtual Disk Optimizer)
 - Hands On Lab: Setting Up VDO

3.0 TARGET PARTICIPANTS

The course is intended for System Administrators, IT Technician, systems analysts, systems engineers, Network Engineers, ICT Managers, ICT Help Desk Support and all others with ICT backgrounds

4.0 METHODOLOGY

The course will be conducted to a large percent through practical session but also lectures and discussions.

5.0 FEES & MODE OF PAYMENT:

The fee for the course is **TZS 1,500,000/=** (say **One Million Five Hundred Thousand Only**) for seven days to cover for training material, tea and lunch. Payment may be in cash, cheques or TISS paid directly to our **Bank Account No. 014103007130 in the name of Institute of Accountancy Arusha, NBC, Arusha Branch**. The Institute may make accommodation arrangements on your behalf at your own costs provided you inform us well in advance. **Early registration is highly encouraged and appreciated.**

6.0 DATE, DURATION AND VENUE:

This course will be conducted from **26th – 30th August 2019** at the Institute of Accountancy Arusha, located at Njiro Hill-Arusha.

7.0 CONTACT PERSONS

For more details please don't hesitate to contact any of the following:

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