



# THE REPUBLIC UNITED OF TANZANIA

## INSTITUTE OF ACCOUNTANCY ARUSHA



### SHORT COURSE ANNOUNCEMENT ON

### ADMINISTERING WINDOWS SERVER 2012R2:

4<sup>th</sup> June– 8<sup>th</sup> June, 2018

Introduction:

Participants are expected to understand and handle installation, configuration and administration of Microsoft Server 2012 R2 Network Infrastructure and Active Directory. This training also prepares the trainees planning to take up the Microsoft Exam 70-410.

#### **Who should attend this Course?**

System Administrator, Network Technician, Computer Technician, IT Help Desk Technician, anyone aspiring to understand MS Windows Server 2012

Participants should have basic networking skills like IP addressing and cabling.

#### **MODULES COVERED:**

Module 1: Install Windows Server 2012 R2

- Features and Advantages of Windows Server 2012 and Server 2012 R2
- Planning the Windows Server 2012 R2 Installation
- Understanding Features on Demand
- Storage in Windows Server 2012 R2

#### **Module 2: Configure Network Services**

- Introducing DNS
- Introducing DNS Database Zones
- Introducing DNS Record Types
- Configuring DNS

- Monitoring and Troubleshooting DNS
- Overview of DHCP
- Installing and Authorizing DHCP
- Creating and Managing DHCP Scopes

### **Module 3: Plan and Install Active Directory**

- Verifying the File system
- Verifying Network Connectivity
- Basic Connectivity Tests
- Understanding Domain and Forest Functionality
- Planning the Domain Structure
- Installing Active Directory
- Verifying Active Directory Installation
- Configuring DNS Integration with Active Directory

### **Module 4: Configure and Manage Active Directory**

- Active Directory Security Overview
- Implementing Active Directory Security
- Using Group Policy for Security
- Maintain Active Directory

### **Module 5: Administer Active Directory**

- An Overview of OUs
- Planning the OU Structure
- Creating OUs
- Managing OUs
- Creating and Managing Active Directory Objects
- Using the Command Prompt for Active Directory Configuration

### **Module 6: Configure Windows Server 2012 R2**

- Understanding File Servers
- Configuring File Servers
- Configuring Disk Quotas

- Configuring Print Services
- Configuring Remote Management

### **Module 7: Manage GPOs**

- Introducing Group Policy
- Planning a Group Policy Strategy
- Implementing Group Policy
- Managing Group Policy
- Managing GPOs

### **Module 8: Manage Security**

- Managing Security
- Implementing an Audit Policy
- Configuring Windows Firewall Options

### **Module 9: Configure TCP/IP**

- Understanding TCP/IP
- Understanding IP Addressing

### **Module 10: Manage and Maintain Servers**

- Using Windows Deployment Services
- Using Windows Server 2012 R2 Performance Tools
- Module 2: Manage File Services
- Configuring File Server Resource Manager
- Configure File and Disk Encryption
- Configuring Distributed File System
- Implementing an Audit Policy
- Making Active Directory Objects Available to Users

### **Module 11 Configure Routing and Remote Access**

- Overview of Virtual Private Networks
- Configuring Your Remote Access Server
- Understanding a VPN
- Configuring a VPN

- Managing Your Remote Access Server
- Configuring a VPN Client
- Configuring a Web Application Proxy
- Understanding Direct Access

## **Module 12: Use Virtualization in Windows Server 2012**

Hyper-V Overview

## **Module 13: Configuring Encryption and Advanced Auditing**

- Encrypting and Recovering Files
- Configuring Advanced Auditing
- Using Windows BitLocker Drive Encryption to Secure Data Drives

## **Module 14: Implementing Update Management**

- Implementing the WSUS Server Role
- Configuring Update Settings
- Approving and Deploying an Update by using WSUS

## **Module 15: Monitoring Windows Server 2012r2**

- Establishing a Performance Baseline
- Identifying the Source of a Performance Problem
- Viewing and Configuring Centralized Event Logs

### **METHODOLOGY**

The course will be achieved through discussions, case studies, and practices/exercises. Participants will receive all course materials, and at the end of the course participants will receive a certificate of completion.

### **COURSE FEE:**

The fee for the course is **TZS 1,500,000/= (One million five hundred thousand only)** for **one week** to cover for course materials, tea/coffee, and lunch. It does not include accommodation and transport cost.

Payment may be in cash, cheque or TISS paid directly to our Bank Account No. 014103007130 in the name of Institute of Accountancy Arusha, NBC, Arusha Branch.

**DATE, DURATION, AND VENUE:**

This course will be conducted from 4<sup>th</sup> - 8<sup>th</sup> June 2018 at the Institute of Accountancy Arusha – Njiro Hill.

**FOR MORE DETAILS, YOU MAY CONTACT THE FOLLOWING:**

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**APPLY TO:**

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