



THE REPUBLIC UNITED OF TANZANIA

INSTITUTE OF ACCOUNTANCY ARUSHA



SHORT COURSE ANNOUNCEMENT ON CYBEROAM NETWORK & SECURITY ADMINISTRATION

09TH JULY 2018 – 13 JULY, 2018

1.0 INTRODUCTION:

Cyberoam's identity-based security provides integrated Security Appliances (patent pending) purpose-built for **comprehensive network protection and high performance needs of small, medium and large enterprises.**

Cyberoam's Check Mark Level 5 certified, ICSA firewall certified identity-based Internet Security Appliances offer **protection against external as well as internal threats.**

Cyberoam, with its unique identity-based security solution capabilities, has special identity controls integrated into its solution. These controls clearly identify both the IP address of the machine AND the actual user. Thus Cyberoam delivers total control on the insider threat by pinpointing the actual threat source thus fulfilling the enterprise control requirements.

Cyberoam's unique identity-based Internet Security Appliances solve today's need to control individual user behavior to ensure comprehensive threat management. Functioning with Layer 8 technology, Cyberoam delivers complete visibility into "Who is doing What" on your network and allows you to create policies at the user level based on work profiles.

2.0 AT COURSE COMPLETION

After completing this course, participants will be able to properly understand:

- Cyberoam product overview
- Deploying Cyberoam
- Firewall
- User Authentication
- Web Filter
- Application Firewall

- Threat Protection
- VPN
- QoS
- Network High Availability
- General Administration
- Logging and Reporting

3.0 CYBEROAM COURSE OUTLINE

Module1: Cyberoam product overview

- i. Introduction
- ii. Evolution of Firewalls
- iii. Next Generation UTM : Cyberoam
- iv. Cyberoam Appliances
- v. CCC (Cyberoam Central Console)
- vi. Cyberoam iView

Module 2: Deploying Cyberoam

- i. Introduction
- ii. Package Contents
- iii. Factory Default Settings
- iv. Deployment Modes
- v. Deployment Scenarios
- vi. Registration and Subscription
- vii. Cyberoam OS Update

Module 3: Firewall

- i. Introduction
- ii. Access Control (Appliance Access)
- iii. Zone Management
- iv. Rule Management
- v. Managing Objects
- vi. Schedule
- vii. Outbound NAT (Source NAT)
- viii. Inbound NAT (Virtual Host)
- ix. Fusion Firewall Technology
- x. Routing

Module 4: User Authentication

- i. Introduction

- ii. Types of Authentication
- iii. Levels of Authentication
- iv. Authentication Methods
- v. Identity Based Policies
- vi. Group Management
- vii. User Management
- viii. Identity Based Firewall Rule

Module5: Web Filter

- i. Introduction
- ii. Basics of Web Filter
- iii. Cyberoam's Web Filter
- iv. Granular Control
- v. Privacy
- vi. Update Content Filter

Module6: Application Firewall

- i. Introduction
- ii. Evolution of Application Firewall
- iii. Cyberoam's Application Firewall
- iv. Granular Application Control

Module 7: Threat Protection

- i. Introduction
- ii. IPS (Intrusion Prevention System)
- iii. WAF (Web Application Firewall)
- iv. IPS vs. WAF
- v. Anti - Spam
- vi. Anti - Virus

Module 8: VPN

- i. Introduction
- ii. VPN
- iii. Site to Site VPN
- iv. SSL VPN
- v. Mobile VPN

Module 9: QoS

- i. Introduction
- ii. Why QoS
- iii. Applying Efficient QoS
- iv. Terminologies and Concepts

- v. QoS Implementation

Module 10: Network High Availability

- i. Introduction
- ii. Need of High Network Uptime
- iii. Hardware Level
- iv. Application Level
- v. Network Level
- vi. VPN Failover

Module11: General Administration

- i. Introduction
- ii. Assess Management
- iii. DNS
- iv. DHCP
- v. Cyberoam OS Management
- vi. Backup and Restore
- vii. Troubleshooting

Module 12: Logging and Reporting

- i. Introduction
- ii. Understand logs
- iii. Log Configuration
- iv. Log Viewer
- v. On-Appliance Report

4.0 Target Participants

ICT managers, Systems administrators, system analysts, chief information officers, security managers/officers, systems engineers, Network engineers, database administrators and Information Technology Officers, ICT Project managers, ICT engineers, Any other Person interested in Cyberoam deployment.

The fee for the Camp is TZS 1,500,000/= (one million five hundred thousand only) 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, and Arusha Branch.

5.0 Dates & Venue

Monday, 09th July 2018 – July 13th , 2018 in **Arusha** at the **Institute of Accountancy Arusha – Arusha Main Campus.**

6.0 Contact

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Yours Faithfully,

THE INSTITUTE OF ACCOUNTANCY ARUSHA

**Sifael Sabaya
FOR RECTOR**