

**Network Operations &
SomaliREN Services Mastery
Workshop in Borama**

Report of Contributions

Contribution ID: 6

Type: **not specified**

Network Fundamentals

Monday, 10 February 2025 09:10 (1h 30m)

- a. Network Overview
- b. TCP/IP
- c. Easy Subnetting (Practice)
- d. Troubleshooting IP addresses (Practice)

Presenters: Mr BILE, Mohamed (CTO, SomaliREN); ROBLE, Sharaf A. (Network Admin)

Contribution ID: 8

Type: **not specified**

Switching Technologies

Monday, 10 February 2025 11:00 (1h 40m)

- a. Layer 2 Switching (Lab)
- b. VLANs Concepts (Lab)
- c. MikroTik Configurations

Presenter: Mr ROBLE, Sharaf A. (Network Admin)

Contribution ID: 9

Type: **not specified**

Routing Technologies

Tuesday, 11 February 2025 08:40 (1 hour)

- a. Static Routing.
- b. Default Routing.
- c. Dynamic Routing.

Presenter: ROBLE, Sharaf (SomaliREN)

Contribution ID: **10**

Type: **not specified**

IP Services and Monitoring Tools

Tuesday, 11 February 2025 09:40 (1 hour)

- a. Wireless Technologies (Lab)
- b. DHCP and DNS within the network
- c. NTP operating in a client and server mode
- d. SNMP in network operations

Presenter: ROBLE, Sharaf A. (Network Admin)

Contribution ID: 12

Type: **not specified**

SomaliREN Identity Federation (SIF), eduroam and Filesender

Tuesday, 11 February 2025 11:40 (40 minutes)

- a. Trust and Identity
- b. Creating user accounts for participants on SIF
- c. Hands on session on SomaliREN Filesender

Contribution ID: 13

Type: **not specified**

Somali Research and Education Repository (SORER)

Tuesday, 11 February 2025 12:40 (30 minutes)

- a. Digital Repository - an overview
- b. Understanding the purpose and features of SORER
- c. Hands-on training on using SORER for digital content management

Presenter: Mr BILE, Mohamed (CTO, SomaliREN)

Contribution ID: 14

Type: **not specified**

SomaliREN Event Management System

Tuesday, 11 February 2025 13:10 (30 minutes)

- a. Introduction to the Event Management System based on Indico
- b. Creating and managing events of various scales (workshops, conferences, lectures)
- c. Registration management, abstract submission, and scheduling
- d. Customizing event pages and managing participant interactions

Presenter: Mr BILE, Mohamed (CTO, SomaliREN)

Contribution ID: 15

Type: **not specified**

SomaliREN Meet - Our Videoconferencing System

Tuesday, 11 February 2025 13:40 (30 minutes)

- a. Hands on session on SomaliREN Meet

Contribution ID: 16

Type: **not specified**

SomaliREN Virtual Private Networks (VPN)

Tuesday, 11 February 2025 14:50 (20 minutes)

- a. Hands on training on eduVPN

Presenter: Mr BILE, Mohamed (CTO, SomaliREN)

Contribution ID: 17

Type: **not specified**

SomaliREN Survey Tool

Tuesday, 11 February 2025 14:10 (36 minutes)

a. Hands on SomaliREN Survey Tool

Presenter: Mr BILE, Mohamed (CTO, SomaliREN)

Contribution ID: **18**

Type: **not specified**

Internet Protocol

Tuesday, 11 February 2025 11:00 (20 minutes)

- a. Basic Border Gateway Protocol (BGP) (LAB)
- b. Project Building a Campus Network on eve-ng