

Гомельский Государственный Университет  
им. Ф. Скорины

**Лабораторный практикум №1.**  
**Основы администрирования межсетевого экрана**  
**D-Link DFL-860**

**Проверил:**

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**Студент МС – 42:**

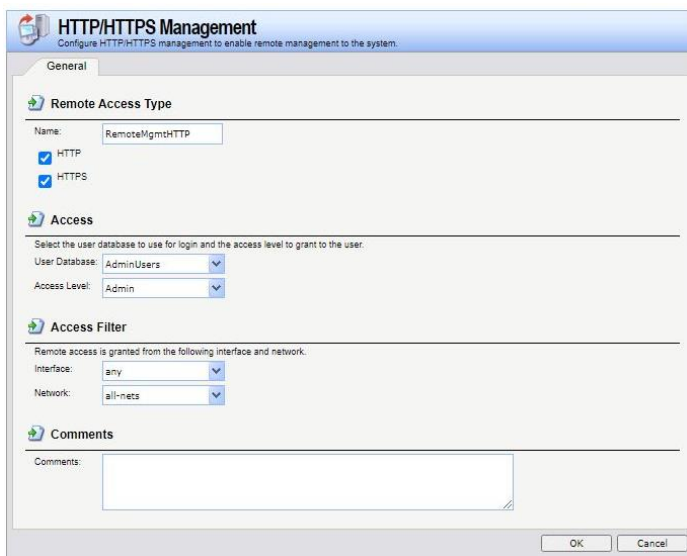
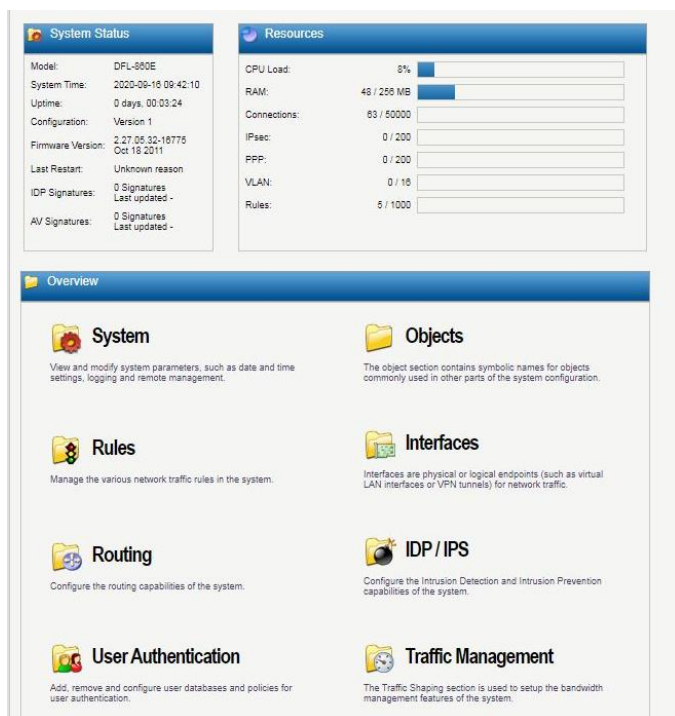
Черненко А.В.

**Цель работы:** рассмотрим общие вопросы администрирования межсетевого экрана.

1. Вход с использованием различных интерфейсов в консоль управления межсетевым экраном.
2. Перегрузка межсетевого экрана, сброс к заводским настройкам по умолчанию, установка даты и времени, DNS, активация и применения изменений.
3. Сброс и загрузка новой конфигурации устройства, автоматическое обновление ПО.
4. Поиск неисправностей.

### Постановка задачи:

### Последовательность действий



#	Name	Type	Mode	Interface	Network	Comments
1	RemoteMgmtHTTP	HTTP/HTTPS Management	Admin: HTTPS	lan	lannet	
2	RemoteMgmtHTTP_k	HTTP/HTTPS Management	Admin: HTTP, HTTPS	any	all-nets	

Right-click on a row for additional options.

Configure a Secure Shell (SSH) Server to enable remote management access to the system.

### General

**General**

Name:

Listening Port:

Max Concurrent Clients:

Session idle timeout:

Login grace timeout:

Greeting Message:

Maximum Authentication Retries:

### Authentication Methods

Client authentication methods that this server supports

Password: ☒

Public Key: ☒

### Host Key Algorithms

Public Key Algorithms for which the unit has private host keys stored. These are also the algorithms that the server supports for clients that uses Public Key authentication.

DSA: ☒

RSA: ☒

### Key Exchange Algorithms

AES-128 ☒ AES-192 ☒

3DES ☒ AES-256 ☒

### Integrity Algorithms

SHA1 ☒ MD5 ☒

SHA1-96 ☒ MD5-96 ☒

### Access

Select the user database to use for login and the access level to grant to the user.

User Database:

Access Level:

General
SSH Public Key

General

Name: admin

Password: .....

Confirm Password: .....

Groups: administrators

Note! Existing passwords will always be shown with 8 characters to hide the actual length.

Comma separated list of groups

Users that are members of the 'administrators' group are allowed to change the firewall configuration.

Users that are members of the 'auditors' group are only allowed to view the firewall configuration.

Add administrators
Add auditors

Per-user PPTP/L2TP IP Configuration

Static Client IP Address: (None)

Networks behind user: (None)

Metric for networks:

Comments

Comments:

OK
Cancel

Date: 2020 - Sep - 16

Time: 10:16:00 (HH:MM:SS)

Automatic time synchronization

☐ Disabled
☒ D-Link (pre-configured timesync server)
☐ Custom

Time Server Type: SNTP

Primary Time Server: NTP\_Server

Secondary Time Server: (None)

Tertiary Time Server: (None)

Interval between each synchronization: 86400 seconds

Maximum time drift that a server is allowed to adjust: 600 seconds

Interval according to which server responses will be grouped: 10 seconds

General

General

Primary Server: wan1\_dns1

Secondary Server: (None)

Tertiary Server: (None)

Comments

Comments:

OK
Cancel

## Restart

- ☐ Reconfigure - Re-read configuration.
- ☒ Restart - Restart, but first wait for all subsystems to shutdown gracefully.
- ☐ Reboot - Power-off directly and restart from power-on state.

Restart the unit

## Reset to Factory Defaults

- ☒ Restore the configuration to factory default.
- ☐ Restore the entire unit to factory defaults. This includes firmware version, IDP signatures and configuration.

Reset to Factory Defaults