

EdgeRouterX

Spring 22'

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Lab Routers

- Routers

- R1 → 192.168.4.1
- R2 → 192.168.4.2
- R3 → 192.168.4.3
- R4 → 192.168.4.4
- R5 → 192.168.4.5
- R6 → 192.168.4.6

- Access:

- R1
 - Username: student
 - Password: [hy435@csd](#)
- All others
 - Username: hy435
 - Password: hy435@csd

Google Chrome

EdgeOS - R1EdgeOS - R2EdgeOS - R6

Not secure | https://192.168.4.6/#Dashboard

EdgeMAX
EdgeRouter X v2.0.9-hotfix.1

CPU: 4%
RAM: 35%
Uptime: 4 weeks, 1 day, 21 hours

Up to dateUNMSCLIToolbox

DashboardTraffic AnalysisRoutingFirewall/NATServicesVPNQoSUsersConfig TreeWizards

Services

Routes

connected2
static0
rip0
ospf0
bgp0
total2

OSPF is disabled

areasn/a

NAT is disabled

rules0

Firewall is disabled

rulesets0
rules0

DHCP is disabled

active servers0
inactive servers0

Interfaces

eth0
eth0.1000
eth1
eth2
eth3
eth4
switch0

Tx Rate (Kbps)

CURRENT RATE
eth0 34.24 Kbps
eth3 0 bps
eth4 0 bps
TOTAL AMOUNT
eth0 7.87 MB
eth3 2.29 KB
eth4 3.07 KB

Rx Rate (Kbps)

Add Interface

AllEthernetVLANPPPoE

Description

Interface

Type

PoE

IP Address

MTU

Tx

Rx

Status

Actions

eth0

eth0

ethernet

1500

32.50 Kbps

10.61 Kbps

Connected

Actions

management_vlan

eth0.1000

vlan

192.168.4.6/24

1500

31.94 Kbps

4.75 Kbps

Connected

Actions

eth1

eth1

ethernet

1500

0 bps

0 bps

Disconnected

Actions

eth2

eth2

ethernet

1500

0 bps

0 bps

Disconnected

Actions

eth3

eth3

ethernet

1500

0 bps

0 bps

Connected

Actions

eth4

eth4

ethernet

off

1500

0 bps

5.75 Kbps

Connected

Actions

switch0

switch0

switch

1500

0 bps

0 bps

Connected

Actions

Showing 1 to 7 of 7 entries

AlertsSystem

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Google Chrome

EdgeOS - R1 | EdgeOS - R2 | EdgeOS - R6

Not secure | https://192.168.4.6/#Routing/Static

UNMS

CLI | Toolbox

EdgeMAX
EdgeRouter X v2.0.9-hotfix.1

CPU: 0%
RAM: 35%
Uptime: 4 weeks, 1 day, 21 hours

Welcome hy435 to R6

Dashboard | Traffic Analysis | Routing | Firewall/NAT | Services | VPN | QoS | Users | Config Tree | Wizards

Routes | OSPF

+ Add Static Route

All | Static | Connected | RIP | OSPF

Search

Selected	Description	Destination	Next Hop	Interface	Route Type	In FIB	Actions
Yes		127.0.0.0/8		lo	connected	Yes	
Yes		192.168.4.0/24		eth0.1000	connected	Yes	

Showing 1 to 2 of 2 entries

Alerts | System

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Google Chrome

5 May 11:43

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EdgeOS - R1EdgeOS - R2EdgeOS - R6

Not secure | https://192.168.4.6/#Routing/Static

EdgeMAX

EdgeRouter X v2.0.9-hotfix.1

CPU: 1%RAM: 35%Uptime: 4 weeks, 1 day, 21 hours

Up to dateUNMSCLIToolbox

Welcome hy435 to R6

DashboardTraffic AnalysisRoutingFirewall/NATServicesVPNQoSUsersConfig TreeWizards

RoutesOSPF

+ Add Static Route

AllStaticConnectedRIPOSPF

Search

Selected	Description	Destination	Next Hop	Interface	Route Type	In FIB	Actions
Yes		127.0.0.0/8			connected	Yes	
Yes		192.168.4.0/24			connected	Yes	

Showing 1 to 2 of 2 entries

Create IPv4 Static Route

Select Route TypeGateway

Destination network*

Next hop address*

Description

Distance (1-255)

Enable

Save

AlertsSystem

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Gateway vs Interface

- Gateway:
 - Η διευθυνση του επόμενου κομβο. (όμως πρέπει να το ξέρω απο πριν!)
 - Δεν χρησιμοποιεί DHCP (μπορεί να αλλάξει/πέσει)
- Interface:
 - Το χρησιμοποιώ αν δεν ξέρω την διευθυνση του επόμενου host
 - Είναι interface στον ίδιο router
 - Αν δω μια IP με συγκεκριμένο range την προωθώ στο “eth3”
 - Το eth3 θα κάνει ARP → θα βρει την MAC addr του κόμβου με dest IP, και θα επιστρέψει την δική του MAC addr. Αν έχει κάποια πληροφορία για την dest.IP
- Black hole
 - Πετάει κίνηση! Δηλαδή αν έχει συγκεκριμένο dst addr την πετάει ο router.

Activities

Google Chrome

EdgeOS - R1

EdgeOS - R2

EdgeOS - R6

+

← → ↺ ⚠ Not secure | https://192.168.4.6/#Routing/Static

EdgeMAX

EdgeRouter X v2.0.9-hotfix.1

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🟢 Up to date

UNMS

CLI

Toolbox

Welcome hy435 to R6

Dashboard

Traffic Analysis

Routing

Firewall/NAT

Services

VPN

QoS

Users

Config Tree

Wizards

Routes

OSPF

+ Add Static Route

All

Static

Connected

RIP

OSPF

Search

Alerts

System

Enable

Log to remote server:

Log Level: Error

Configuration Management & Device Maintenance

Back Up Config

Download backup config file:

Download

Restore Config

Upload config file:

Upload a file

Upgrade System Image

Upload system image:

Upload a file

To check for updates go to: www.ubnt.com/download

System Reset

Reset Configuration

Factory Reset

Reset Configuration - reset configuration to default values. Backup firmware image and user-generated files will remain intact.

Factory Reset - reset router to factory-default state by erasing all user-generated files and deleting backup firmware image.

Restart & Shut Down Device

Restart Device

Restart

Shut Down Device

Shut Down

Support