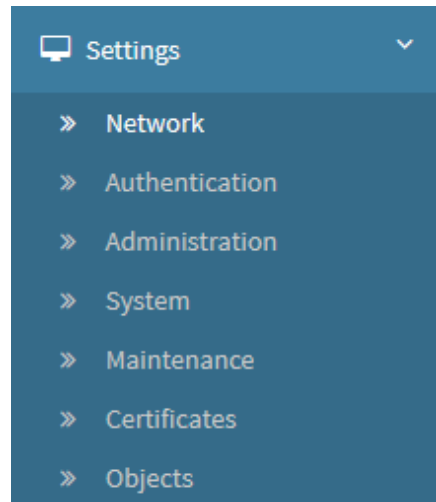


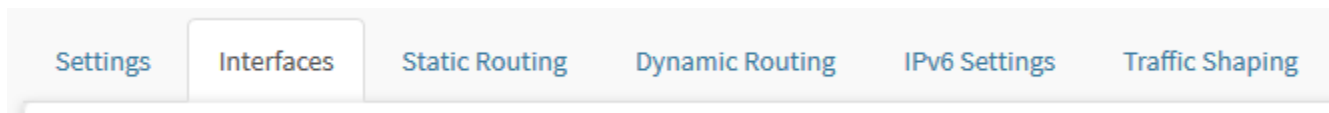
Dynamic Routing - ECMP - Configuring Interfaces on UTM A

Initially, access the Settings menu and click on Network:



Settings - Network

Click on the Interfaces tab:



Interfaces tab

We will make the following settings in this step:

- Initially we will need to [configure the UTM A LAN](#) (to serve as the UTM B destination);
- [Configure the physical interfaces that will be used to connect to the routers](#) that will be used as a link by UTM A being them:
 - [UTM 1](#);
 - [UTM 2](#);
 - [UTM 3](#).





















Some details of the interfaces tab will not be considered in this example, if you want more information, see this [page](#).

Below are the UTM A interface configurations:


Network

Settings Interfaces Static Routing Dynamic Routing IPv6 Settings Traffic Shaping

Interface	Address	Gateway	Type	Zone	Action
eth0	172.31.207.1/16	-	Physical	LAN	  
eth1	192.168.11.1/24 2001::abcd:c0a8:b01/120	- -	Physical	ECMP	  
eth2	10.0.0.2/30 2001::abcd:a002/126	10.0.0.1 2001::abcd:a001	Physical	ECMP	  
eth3	11.0.0.2/30 2001::abcd:a002/126	11.0.0.1 2001::abcd:a001	Physical	ECMP	  
eth4	12.0.0.2/30 2001::abcd:c002/126	12.0.0.1 2001::abcd:c001	Physical	ECMP	  
eth5	-	-	Physical	-	  

Network - Interfaces

LAN configuration of UTM A

Access the physical interface you will use and click . The following screen will be displayed:

Network

Settings Interfaces Static Routing Dynamic Routing IPv6 Settings Traffic Shaping

← ↗ 📄

General

Network Zone Name

Description

IPv4 Dynamic IP

IP Address Mask Gateway

IPv6 Dynamic IP

IP Address Prefix Gateway

Advanced

MTU

MPLS

Interfaces - eth1

Next we will detail the panels that we will need to configure.

General Panel

Complete the form as shown below:

General

Network Zone Name

Description

Interfaces - General Panel

- **Network Zone:** To organize, we name the Zones of all the interfaces that we will use "ECMP";
- **Description:** Insert the desired description in order to facilitate the identification of the interface later. Ex .: LAN UTM A.

IPv4

Complete the form as shown below:

IPv4
 Dynamic IP

IP Address

Mask

Gateway

Interfaces - IPv4

- **IPv4** : Mark this checkbox to enable the form;
- **IP Address:** Add the IP that will be used by UTM A, in this case, it will be: 192.168.11.1;
- **Mask:** Enter the netmask to be used by UTM A.

IPv6

Complete the form as shown below:

IPv6
 Dynamic IP

IP Address

Prefix

Gateway

Interfaces - IPv6

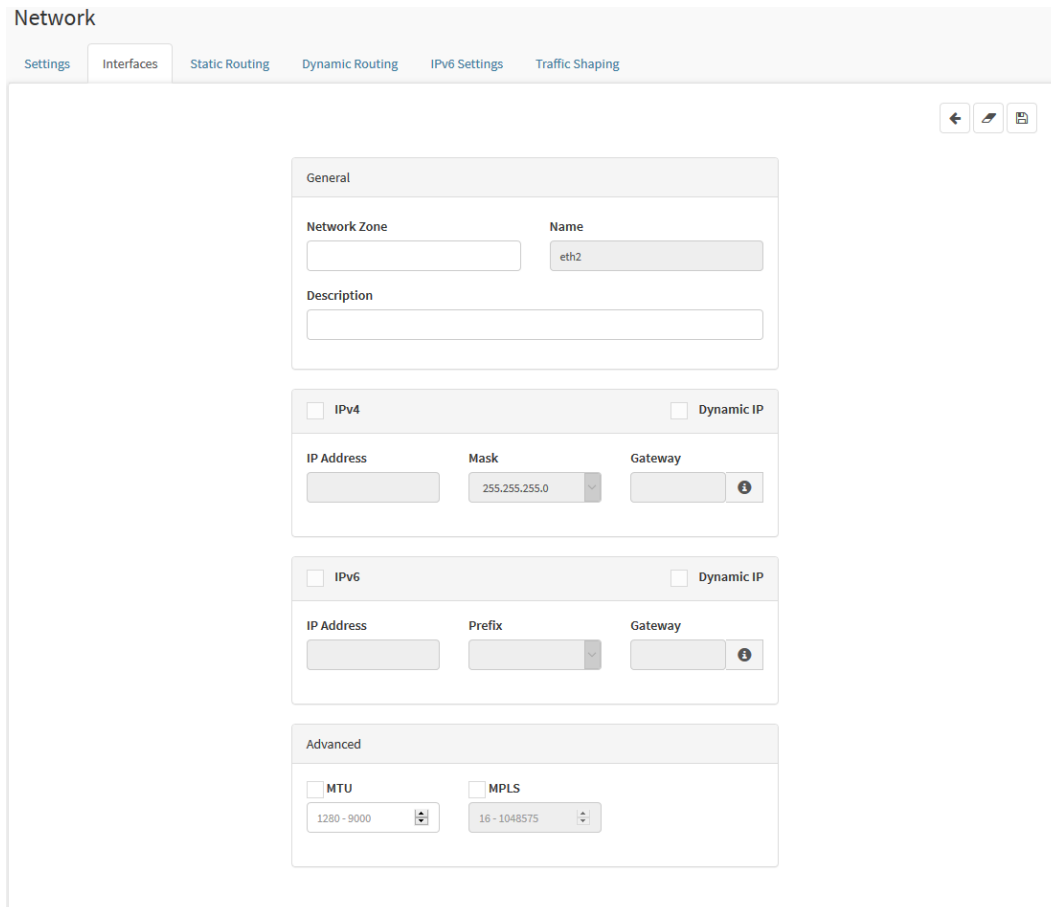
- **IPv6** : Mark this checkbox to enable the form;
- **IP Address:** Add the IP that will be used by UTM A, in this case, it will be: 2001 :: abcd: c0a8: b01;
- **Prefix:** Select the prefix "120".

To save, click [].

This completes the LAN configuration of UTM A. Next we will configure the interfaces that will be used by the routers.

Link with the UTM router 1

Access the physical interface you will use and click []. The following screen will be displayed:



The screenshot shows the 'Network' configuration page for interface 'eth2'. The page has a navigation bar with tabs: Settings, Interfaces, Static Routing, Dynamic Routing, IPv6 Settings, and Traffic Shaping. The 'Interfaces' tab is active. The main content area is divided into several sections:

- General:** Contains fields for 'Network Zone', 'Name' (set to 'eth2'), and 'Description'.
- IPv4:** Includes checkboxes for 'IPv4' and 'Dynamic IP'. Below are fields for 'IP Address', 'Mask' (set to '255.255.255.0'), and 'Gateway'.
- IPv6:** Includes checkboxes for 'IPv6' and 'Dynamic IP'. Below are fields for 'IP Address', 'Prefix', and 'Gateway'.
- Advanced:** Includes checkboxes for 'MTU' and 'MPLS'. Below are dropdown menus for 'MTU' (set to '1280 - 9000') and 'MPLS' (set to '16 - 1048575').

Navigation icons (back, edit, save) are located in the top right corner of the main content area.

Interfaces - eth2

Next we will detail the panels that we will need to configure.

General Panel

Complete the form as shown below:

General

Network Zone

Name

Description

Interfaces - General Panel

- **Network Zone:** To organize, we name the Zones of all the interfaces that we will use "ECMP";
- **Description:** Insert the desired description in order to facilitate the identification of the interface later. Ex.: NETWORK 10.

IPv4

Complete the form as shown below:

IPv4
 Dynamic IP

IP Address

Mask

Gateway

Interfaces - IPv4

- **IPv4** : Check this checkbox to enable the form;
- **IP Address:** Add the IP that will be used by the router, in this case, it will be: 10.0.0.2;
- **Mask:** Enter the netmask that will be used by the router;
- **Gateway:** Define the gateway that will be used by the router, being: 10.0.0.1.

IPv6

Complete the form as shown below:

IPv6 Dynamic IP

IP Address	Prefix	Gateway
<input type="text" value="2001::abcd:a00:2"/>	<input type="text" value="126"/> <input type="button" value="v"/>	<input type="text" value="2001::abcd:a00:"/> <input type="button" value="i"/>

Interfaces - IPv6

- **IPv6** : Check this checkbox to enable the form;
- **IP Address**: Add the IP that will be used by the router, in this case, it will be: 2001 :: abcd: a00: 2;
- **Prefix**: Select the prefix "126";
- **Gateway**: Define the gateway that will be used by the router, we will use: 2001 :: abcd: a00: 1.

To save, click [].

This completes the configuration of the interface of one of the routers. Follow the same steps to configure the other links:

Link to the UTM 2 router

Below, an image demonstrating how the UTM 2 Router link should be configured:

General

Network Zone **Name**

ECMP eth3

Description

NETWORK 11

IPv4 Dynamic IP

IP Address **Mask** **Gateway**

11.0.0.2 255.255.255.252 11.0.0.1

IPv6 Dynamic IP

IP Address **Prefix** **Gateway**

2001::abcd:a00:2 126 2001::abcd:a00:

Advanced

MTU **MPLS**

1280 - 9000 16 - 1048575

Interfaces - UTM 2 Config

Link with the UTM 3 router

Below, an image demonstrating how the link with the UTM 3 Router should be configured:

General

Network Zone **Name**

Description

IPv4 Dynamic IP

IP Address **Mask** **Gateway**

IPv6 Dynamic IP

IP Address **Prefix** **Gateway**

Advanced

MTU

MPLS

Interfaces - UTM 3 Config

This finalizes the configuration of the Interfaces in UTM A, next we will [configure the static routes](#).