Central Console

Central Console

Helps to centrally manage UTM servers.

Safe Center is a central console that will help you administer multiple SafeUTM servers at once. Currently does not require licensing and has no restrictions on use. Automatically propagates security policies to all connected SafeUTMs, even if they were connected after the policies were configured.

Opportunities of Safe Center:

- Creation of security policy rules (firewall, content filter, etc.) and objects that are transferred to connected SafeUTM servers at the same time;
- The transition from Safe Center to the web interface of connected SafeUTMs;
- Management of administrator access rights. However, Safe Center administrators have access to connected UTMs, but connected UTM administrators do not have access to Safe Center.

Learn more about how security policies and objects work in the Policies and Objects articles.

Technical requirements for servers and virtual machines:

- RAM - 8 GB;
- UEFI;
- Disk space - 64 GB;
- Two processor cores;
- One network card;
- Supported hypervisors: KVM, ESXi, hyper-v

You can request the installation file from your Manager or Tech Support. The Safe Center installation process is similar to the SafeUTM installation process.

Connecting Safe UTM to Safe Center

> If a cluster is used in the connected SafeUTM, it is enough to connect only the active node, the passive one will automatically accept this setting.
> The network connection is made in the direction from SafeUTM to Safe Center, i.e. communication is also possible when SafeUTM is behind NAT.

To connect SafeUTM to Safe Center:

- Go to **Server Management -> Central Console**;
- Enter the IP address or domain name in the **Server field** and click **Connect**:

Central Console

The central console allows you to centrally manage your Safe UTM server

> Central console's server

Enter IP address or domain name

Connect

If the Safe Center IP address is listed instead of the domain name, upload the Safe Center root certificate to SafeUTM:

The central console allows you to centrally manage your Safe UTM server

Server	192.168.0.240 ✏
Trusted certificate	Absent ⬆
Last connection	Unknown
Synchronization	Unknown

Disconnect

You can download the root certificate in the Safe Center, section **Services -> TLS Certificates**.

- In the Safe Center interface, go to the **Servers** section and confirm the connection.

Safe UTM servers are connected in their web interfaces in the Server Management -> Central Console section. Set central console address.

⠿ Columns　☰ Filters　☰ Density

Title	Version	Last connection	Synchronization	Approved	Operations
UTM-SAFEDNS-d4c34d56...	14.2 build 148	less than 10 seconds ago	Unknown	✗	Approve? ✓ ✗

> If the Safe Center server is behind NAT, enter the IP address or domain name in **Server Management -> Additional settings -> Central Console's Address**.

Removing the SafeUTM server from the Safe Center will break the binding in the SafeUTM interface:

Switching from the Safe Center web interface to the SafeUTM web interface

Safe Center provides two ways to switch to SafeUTM:

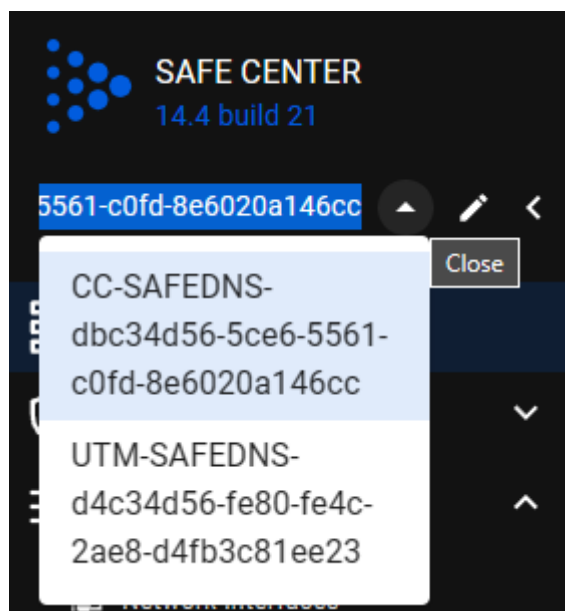1. Go to the Servers section and click on the eye icon:

The SafeUTM web interface will open in a new tab.

2. Click on the dropdown icon in the upper left corner and select the desired UTM:

The SafeUTM web interface will open inside Safe Center window.

Policies

The principles of operation of the sections **Firewall**, **Application Control**, **Content Filter**, and **Traffic Shaping** with connected UTM are identical. Consider it using the **Firewall** section as an example.

Firewall

The Safe Center firewall contains only FORWARD and INPUT tables.

Any ▼

Source
✳ Any ⊗ ▼

Incoming interface
Any ▼

Destination
✳ Any ⊗ ▼

Outgoing interface
Any ▼

Time of action
✳ Any ⊗ ▼

Action

⦿ Allow

◯ Deny

Comment

Save **Cancel**

An example of adding rules in Safe Center:

In Safe Center

The Forward rules created in Safe Center are displayed in two tables: **Initial** and **Final**. These tables are divided by **Local Rules on SafeUTM servers**.

An example of an empty table:

FORWARD INPUT

The rules apply to all Safe UTM servers

| + Add | Display object names ▾ | ▐▐ Columns | ═ Filters | ≣ Density | 🔍 Search… |

Protocol	Source	Destination	Destination ports	Action	Comment	Operations
No initial rules						
		Local rules on SafeUTM servers				
No final rules						

An example of a completed table:

FORWARD INPUT

The rules apply to all Safe UTM servers

| + Add | Display object names ▾ | ▐▐ Columns | ═ Filters | ≣ Density | 🔍 Search… |

Protocol	Source	Destination	Destination ports	Action	Comment	Operations
✳ Any	IP 177.55.10.23	✳ Any	✳ Any	Deny		⏻ ⊕ ↑ ↓ ✎ 🗐 🗑
		Local rules on SafeUTM servers				
✳ Any	✳ Any	✳ Any	✳ Any	Allow		⏻ ⊕ ↑ ↓ ✎ 🗐 🗑

> **Local rules on SafeUTM servers** are not visible in the Safe Center interface. To view, go to the **Servers** section, click on the eye icon in the line with the required SafeUTM, and go to the **Firewall** section.

In order for the created rule to be included in the **Initial rules** table, specify the Initial value in the **Rule type** line. If you want to place the rule in the **Final rules** table, select the **Final** value.

> You cannot move rules between the **Initial rules** and **Final rules** tables.

In SafeUTM

The table in SafeUTM is visually divided into three parts: top, middle, and bottom.

FORWARD   DNAT (port forwarding)   INPUT   SNAT   Logging

Transit traffic between interfaces

+ Add   Display object names ▼   **|||** Columns   ═ Filters   ≡ Density   🔍 Search...

Protocol	Source	Destination	Destination ports	Action	Comment	Operations	
✳ Any	🆔 177.55.10.23	✳ Any	✳ Any	Deny		⏻	
✳ Any	✳ Any	✳ Any	✳ Any	Allow		⏻ +↓ ↑ ↓ ✏ 🗍 🗑	
✳ Any	✳ Any	✳ Any	✳ Any	Allow		⏻	

The rules from the connected Safe Center are transferred to the upper and lower parts. These rules cannot be managed in SafeUTM. The top part corresponds to the **Initial rules** table in the Safe Center. The lower part - the table **Final rules.**

The middle part is created by the UTM administrator in UTM itself and is not visible in the Safe Center interface.

Objects

Objects created in Safe Center are migrated to connected SafeUTMs. The SafeUTM administrator can use these objects to create rules.

When an object is deleted from Safe Center, the object is also deleted from SafeUTM. If a rule with a deleted object was created in SafeUTM, then this object will be marked with the **Deleted** icon.

> The principle of creating and deleting objects in the Safe Center is consistent with the principles of SafeUTM. Detailed description in the article Objects.

Services

Network interfaces

Unlike SafeUTM, only a local Ethernet interface is created in Safe Center. To do this, click **Add**, select a network card, and fill in the required fields:

- **Interface name** - Name to identify the interface;
- **Network card** - Network adapter that will be used to connect to the Internet provider;
- **VLAN tag** - VLAN ID. Such a network interface is considered a VLAN interface. Filled in if the network card is already in use;
- **Automatic configuration via DHCP** - Use if your ISP supports automatic configuration of the Ethernet interface via DHCP;
- **IP Address/Mask** - Assign multiple IP addresses to an interface if required. At least one IP address is required;
- **Gateway** - IP address of the gateway;
- **DNS** - Two fields are available to specify the DNS server (optional).

Configure external Ethernet interface

Title

Network card .... VMware VMXNET3 Ethernet Controller ✏️

MAC address .... 00:0c:29:a1:46:cc 📋

VLAN

Number from 1 to 4094

☐ Automatic configuration via DHCP

IP-address/mask

Add IP-address with mask

Gateway

DNS-1 (optional)

DNS-2 (optional)

Save   Cancel

Routing

Routing works similarly to SafeUTM routing. Detailed description at the link.

DNS

The principle of operation of DNS in Safe Center is similar to the principle of operation of External DNS servers in SafeUTM. If the upstream router intercepts Safe Center DNS queries, then add external DNS servers.

Server Management

In the central console (Safe Center), the sections Automatic Update, Backup, and Terminal are similar to these sections in SafeUTM.
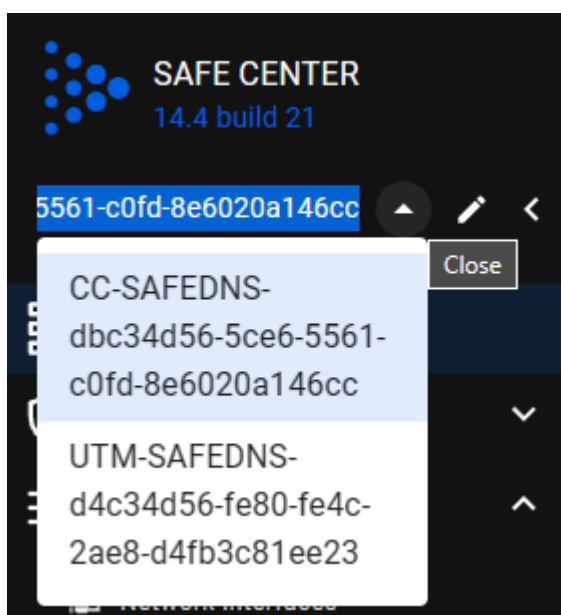
Administrators

In Safe Center, you can create several administrators with different roles:

- **Administrator** - an administrator with this role has access to all Safe Center functionality (more about features);
- **Read-only** - an administrator with this role cannot manage rules in Safe Center (create, change priority, etc.). But can switch to connected SafeUTMs and manage them.

> All administrators (both **Administrator** and **Read-Only**) can delete connected SafeUTM from Safe Center.

There are two ways to connect to the SafeUTM web interface from the Safe Center located in the Safe Center:

- From the Servers section (by clicking on the eye icon);

- By clicking on the arrow in the upper left corner, and selecting the desired UTM:

It is not possible to log in to the connected SafeUTM with the Safe Center administrator login and password.

Additional Settings

The following settings are available in the section:

- **Central console's address** - the field is filled in if the Safe Center server is behind NAT;
- **Time zone settings** - changes take effect only after restarting the Safe Center;
- **Language settings** - changes take effect only after restarting Safe Center.