

Connecting Wi-Fi Keenetic Routers via SSTP

You can connect the user's home network to the VPN of the workplace network directly on the Keenetic router. (If you want to connect the office with Keenetic, follow the instructions).

All routers based on KeeneticOS 3.x.x are supported.

- 1. Configure the users in SafeUTM and enable SSTP in **Users -> VPN connections**.
- 2. Log in to the Keenetic web management interface: <http://my.keenetic.net>.
- 3. Install the **SSTP client** system component in the **System components options** menu.

System component options ?

Select desired components by ticking and unticking in the list below, or choose the predefined setup.

Recommended setup

Minimal components setup

Search components by name.

sst

Attention! Changing the components setup will update KeeneticOS to the latest version.

Network functions

▼

SSTP client

Installed

✓

▼

SSTP VPN server

Installed

✓

For more information about the settings, see [Keenetic documentation](#).

4. Create a connection: go to **Internet -> Other Connections** and click **Add connection**.

VPN connection settings



Specify the registration data issued by the VPN server administrator.

Use for accessing the Internet

☐

Connection name

smtp.safedns.com

Type (protocol)

SSTP



Server address

smtp.safedns.com:4443

Username

user

Password

.....



Authentication

Auto



[Show advanced settings](#)

Save

Cancel

Don't check the box **Use it to access the Internet**.

Enter the connection name, SSTP protocol, server address (**be sure to specify the port in the address separated by a colon**), username, and password.

5. In **Network Rules -> Routes** add routes to your workplace network.
For example, if the office network is `10.0.0.0/8`, add the following route.

KEENETIC LITE

Device lists
Home segment
Guest segment

NETWORK RULES
Internet safety
Firewall
Forwarding
Routing
Domain name
Wireless ACL

MANAGEMENT
System settings
Applications
Users and access
Diagnostics

Static route parameters

Choose the route type and specify the destination host address. Enter the gateway IP address or select the interface through which the traffic will be routed.

Route type: Route to host

Description:

Destination host address: 10.0.0.0

Gateway IP: 255.0.0.0

Interface: smtp.safedns.com

Add automatically: ☒ ?

Save Cancel

Choose the VPN connection you created as **Interface** and check the box **Add automatically** so that the route is valid only when the VPN connection is active.

6. Configure DNS for your local domain (for example, Active Directory) so that you can access resources (files and other servers) by DNS names.

In **Network Rules -> Internet Filter -> DNS Servers** specify the DNS server of your domain controller and the domain name.

KEENETIC LITE

Device lists
Home segment
Guest segment

NETWORK RULES
Internet safety
Firewall
Forwarding
Routing
Domain name
Wireless ACL

MANAGEMENT
System settings
Applications
Users and access
Diagnostics

Internet safety ?

Configure secure Internet access for your home network to protect all devices and users from cyber threats.

Service: No protection ?

DNS servers

Specify custom DNS servers that will be used by home network devices which don't have any policies applied.

DNS server address	Domain	Connection
10.100.20.1	safedns.com	smtp.safedns.com

Add a DNS server

Save Cancel

The setup is finished.

7. Use the `ping` utility in the command line to check communication and routing.

`nslookup` - to check the local names resolution of the working network.

If the VPN works, but there is no connection to some resources (for example, file or RDP), use the instructions to diagnose problems.

Revision #6

Created 27 August 2022 22:14:23 by Val Redman

Updated 13 October 2022 16:18:54 by Val Redman