

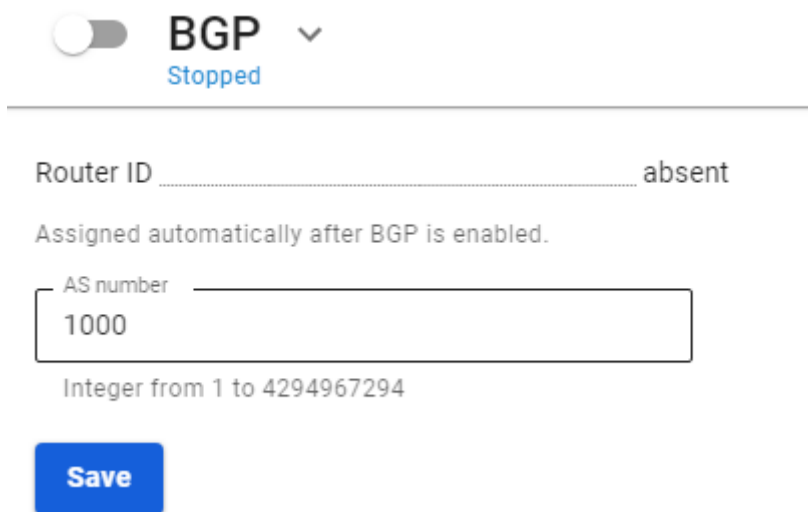
BGP

Configuring BGP to exchange information about the availability of networks.

SafeUTM 13 implements support for BGP (Border Gateway Protocol), which is the main dynamic routing protocol used on the Internet.

Setting up your autonomous system

1. Enter your AS number in the **AS Number** field and click **Save**:



☐ **BGP** Stopped

Router ID absent

Assigned automatically after BGP is enabled.

AS number
1000

Integer from 1 to 4294967294

Save

2. Move the switch of the **BGP** section to the **enabled** position;

3. SafeUTM will populate the **Router ID** field automatically if the BGP section switch is on.

Configuring BGP neighbors

1. To add a BGP neighbor, click **Add** in the upper right corner;

2. Fill in the following fields:

- **Title** - any value;
- **IP address** - BGP neighbor IP address;
- **AS number** - Neighbor's BGP AS number;
- **Incoming networks** - a filter in which you need to select the network from which you want to receive information. If the **Any** object is selected, then filtering will be disabled and all networks from the BGP neighbor will be accepted. Preset filters object **Default route** matches filter **0.0.0.0/0**;

- **Announced networks** - a filter in which you need to select the network about which you want to send information. If **Any** object is selected, then filtering will be disabled and information about all known UTM routes will be transmitted (redistribute static, connected, OSPF). Preset filters object **Default route** matches filter **0.0.0.0/0**;
- **AS-Path Prepend** - the higher the value, the less priority the channel becomes;
- **Local Preference** - determines the path priority for traffic to exit. The larger the value, the less priority the channel becomes;
- **MED** - determines the path priority for traffic ingress. The lower the value, the more priority the path.

Configuring BGP neighbor

BGP neighbor

Integer from 1 to 4294967294

Route filtering

The filtering specifies the subnets that are allowed to be transmitted. If "Any" is specified, all routes are allowed. If "0.0.0.0/0" is specified in advertised network the route is advertised to neighbors.

Incoming networks

Announced networks

Additional settings

The fields in this section are optional.

Number of AS numbers to add, integer from 1 to 100

Integer from 1 to 4294967294

Integer from 1 to 4294967294

For **Incoming networks** and **Announced networks**, the **Any** object cannot be set simultaneously with other filters.

If there is no required object for filtering, then you can create it by selecting **Create a new object** in the **Incoming networks** or **Announced networks** field:

- **Title** - any value;

- **Value** - subnet value in the format: subnet/subnet mask, for example 192.168.100.0/24.

Adding an object

Type

Subnet

Title

Value

Comment

Save

Cancel

Revision #4

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