

Backup

Providing users with stable access to the Internet is the main task solved by the Internet gateway. But sometimes there are situations that lead to system failures and subsequent disruption of Internet access. Depending on the complexity of the failure, it may be necessary to completely reinstall the Internet gateway and restore data from backups. In this section, you will find the description of the backup-creating process for the SafeUTM Internet gateway.

The Internet gateway supports the following types of automatic backups:

- To a network file storage via FTP.
- To a network file storage over NetBIOS protocol.
- To the local hard drive.

To set up automatic backups, go to **Server Management -> Backup -> Settings**. A backup copy is created every day at the hour specified in the settings (it is recommended to choose nighttime to create a backup).

You can store backups for a week or a month.

Backup

Backups

Settings

Uploading to FTP

Uploading to CIFS

Time of daily copy creation

12:00 AM

▼

Store for:

☐ Week

☒ Month

Save

Backup to Remote File Storage via FTP

This type provides for writing backups to an FTP server. The key parameters required to set up a backup to an FTP server are described in the table below.

Parameter	Description
Server address	The IP address of the remote FTP server where copies of the database will be hosted.
Login	Username for authorization on the FTP server.
Password	Password for authorization on the FTP server.
Directory path	The directory to which copies of the database will be written.

Backup to Network File Storage Using NetBIOS Protocol (CIFS)

This type of backup involves writing a copy to the server using the NetBIOS protocol (CIFS). The key parameters required to configure a backup to a NetBIOS server are described in the table.

Parameter	Description
Server address	The IP address of the remote NetBIOS server where copies of the database will be hosted.
Login	User name for authorization on a Windows network resource.
Password	Password for authorization on a Windows network resource.
Directory path	The directory to which copies of the database will be written.

For a domain account, the format of the **Login** field should look like this: **Domain_name/User_name**. The **Directory path** must be specified in UNIX format. For example, in Windows OS, the directory opens at the following path \\192.168.1.1\dir_1\dir_2\backup, so in the field **Directory Path** dir_1/dir_2/backup must be specified.

Backup to Local Hard Drive

It is possible to upload a backup copy from the server or from a computer to the server using the web interface or local menu.

- **Add** Button allows you to create a backup copy of the server settings. Settings copies are created automatically daily.
- **Apply** button allows you to restore a backup copy of the settings. It is possible to restore settings only for the backup of the same version as installed on the server.
- **Download** button allows you to download a backup copy from the server to your computer.
- **Delete** button deletes the backup from the server.

The backup management interface in the web interface is shown in the screenshot below.

Backup

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Used space 0.08 MB

Free space 21,471.93 MB

+ Add

Rows per page: 10 ▼ 1-5 of 5 < >

<input type="checkbox"/>	Creation date	Comment	Version	Size (MB)	Operations
<input type="checkbox"/>	Sep 3, 2022, 12:00 PM	Automatic backup.	13.0 build 508	0.02	

Managing backups via the local menu

- To create a new backup via the SafeUTM local menu, select item **9** and press **Enter**. Next, enter a comment for the backup and press **Enter**.

An example of creating a backup via the local menu is shown in the screenshot below:

```

8. Enable user's firewall
9. Create new backup
10. Restore backup
11. Enable Remote Assistant
12. Technical support contacts
13. Edit server name
14. Create cluster
15. Rollback to the previous version
16. Reboot
17. Shutdown
18. Exit

Type your choice and press Enter.
# 9

Type a comment for a backup and press Enter.

Type 'c' and press Enter to cancel.
# Backup 3
Creating backup, it can take some time...
Backup created successfully.

```

- To restore configurations from the backup, select item **10** and press **Enter**. Select a backup copy from the list (if there are several copies) by entering the item of the desired copy, and pressing **Enter**. To restore from a backup, you need to restart the server. Type **y** and then press **Enter** to restart.

An example of restoring from a backup via the local menu is shown in the screenshot below:

```
5.  
Time:      08/31/2022 12:00:36 AM  
Version:   13.0 build 508  
Comment:   Automatic backup.  
  
6.  
Time:      08/30/2022 12:00:35 AM  
Version:   13.0 build 508  
Comment:   Automatic backup.  
  
Type your choice and press Enter.  
Type 'c' and press Enter to cancel.  
# 1  
  
Backup was chosen.  
  
Time:      09/03/2022 02:30:49 PM  
Version:   13.0 build 508  
Comment:   Backup 3  
  
To restore backup you need to reboot the server.  
Would you like to reboot and restore right now?  
  
Please confirm your choice.  
  
Type 'y' and press Enter to confirmation.  
Type 'b' and press Enter to go back.  
Type 'c' and press Enter to cancel.  
#
```

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