



VisionLabs
MACHINES CAN SEE

VisionLabs FaceStream

License activation manual

v.5.2.0

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1 Introduction

You can activate the license either with a HASP key or with a Guardant key.

Select the desired method and follow the appropriate link below:

- [License activation using HASP key](#)
- [License activation using Guardant key](#)

2 License activation using HASP key

Note. This section describes license activation only using the HASP key. Go to the section [«License activation using Guardant key»](#) to read the corresponding instructions.

HASP key uses the «haspplib_x86_64_30147.so» vendor library, which located in the in the /var/hasp1m / directory.

Follow these steps to set up the license:

1. Install HASP utility on your server. HASP utility is usually installed on a separate server.
2. Start the HASP utility.
3. Create the fingerprint of your server and send it to VisionLabs.
4. Activate your key, received from VisionLabs.
5. Specify your server address. This can be done using the following methods:
 - **Installation manual:** in the «platform_setting.json» file before starting the FaceStream installation or in the Configurator settings before starting the Licenses container.
 - **Upgrade manual:** in the Configurator settings before starting the Licenses container.

Relevant documents contain reminders of the above actions.

The Sentinel Keys tab of the user interface (<server_host_address>:1947) shows activated keys.

2.1 Install HASP utility

LP uses HASP utility of a certain version.

If an older version of HASP utility is installed, it is required to delete it before installation of a new version. See [Delete old LP hasp utility](#).

Go to the HASP directory.

```
cd /var/lib/fs/fs-current/extras/hasp/
```

Install HASP utility on you server.

```
yum -y install /var/lib/fs/fs-current/extras/hasp/aksusbd-*.rpm
```

Launch HASP utility.

```
systemctl daemon-reload
```

```
systemctl start aksusbd
```

```
systemctl enable aksusbd
```

```
systemctl status aksusbd
```

2.2 Configure HASP utility

You can configure the HASP utility using the `/etc/hasplm/hasplm.ini` file.

You do not need to perform this action if you already have the configured INI file for the HASP utility.

Delete the old file if necessary.

```
rm -rf /etc/hasplm/hasplm.ini
```

Copy the INI file with configurations. Its parameters are not described in this document.

```
cp /var/lib/fs/fs-current/extras/hasp/hasplm.ini /etc/hasplm/
```

2.3 Add vendor library

Copy LP vendor library (x32 and x64). This library is required for using LP license key.

```
cp /var/lib/fs/fs-current/extras/hasp/haspvlib_30147.so /var/hasplm/
```

```
cp /var/lib/fs/fs-current/extras/hasp/haspvlib_x86_64_30147.so /var/hasplm/
```

Restart the utility.

```
systemctl restart aksusbd
```

2.4 Create fingerprint

Go to the HASP directory.

```
cd /var/lib/fs/fs-current/extras/hasp/licenseassist
```

Run the script.

```
./LicenseAssist fingerprint > fingerprint_30147.c2v
```

The fingerprint is saved to file «fingerprint_30147.c2v».

Send the file to VisionLabs. Your license key will be created using this fingerprint.

You can also save the system fingerprint from the user interface at <host_address>:1947 by clicking the «Fingerprint» button on the «Sentinel Keys» tab.

2.5 Add license file manually using user interface

- Go to: <host_address>:1947 (if access is denied check your Firewall/ SELinux settings (the procedure is not described in this document)).
- Select the **Update/Attach** at the left pane.
- Press the «Select File...» button and select a license file(s) in the appeared window.
- Press the «Apply File» button.

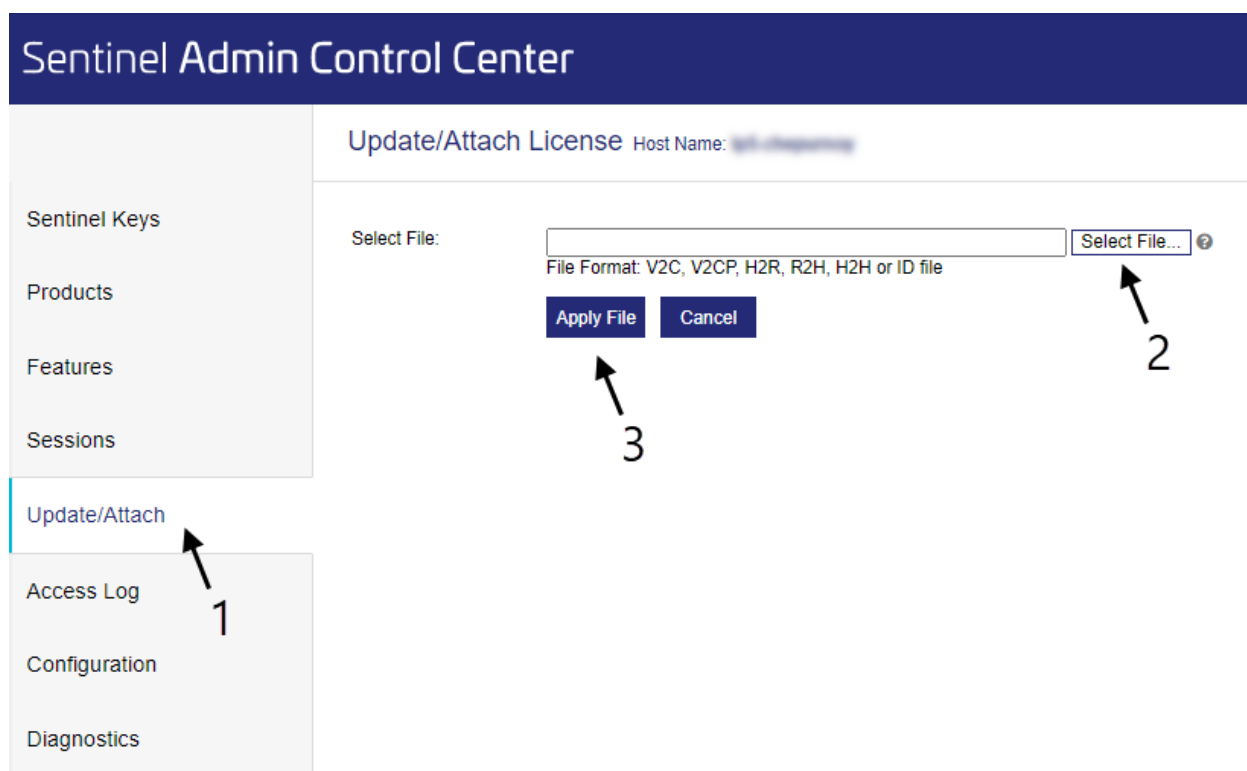


Рис. 1: Adding a license file

2.6 Delete LP old hasp utility

Note. Delete the HASP utility only if you need to install a newer version. Otherwise, skip this step.

Stop and disable the utility.

```
systemctl stop aksusbd
```

```
systemctl disable aksusbd
```

```
systemctl daemon-reload
```

```
yum -y remove aksusbd haspd
```

3 License activation using Guardant key

Note. This section describes license activation only using the Guardant key. Go to the section «[License activation using HASP key](#)» to read the corresponding instructions.

There are two methods for activation using the Guardant key — with Internet access on the server where you plan to activate the license, and without Internet access. The second method involves the use of an auxiliary server with Internet access.

Select the desired method and follow the appropriate link below:

- [License activation with access to the Internet](#)
- [License activation without access to the Internet](#)

3.1 There is access to Internet

You should perform these steps, provided that there is an Internet connection on the server where license activation is required.

3.1.1 Sequencing with Internet

The sequence of actions to activate the license:

1. Request a license key from a VisionLabs representative.
2. Install and run Guardant Control Center.
3. Install a package intended to run front-end applications without physical output to the screen.
4. Activate the license.
5. Go to the Guardant user interface and save the license ID.
6. Specify your server address and license ID. This can be done using the following methods:
 - **Installation manual:** in the «platform_setting.json» file before starting the FaceStream installation or in the Configurator settings before starting the Licenses container.
 - **Upgrade manual:** in the Configurator settings before starting the Licenses container.

Relevant documents contain reminders of the above actions.

The «Dongles» tab of the user interface (<server_host_address>:3189) displays activated keys.

3.1.2 Launch Guardant Control Center

To activate the license, you need to launch the Guardant Control Center security key management service.

Go to the directory with the installation files for the Guardant key:

```
cd /var/lib/fs/fs-current/extras/grd/linux
```

Unpack the archive with the files of the Guardant Control Center service:

```
tar -xvf grdcontrol-3.21.tar.gz
```

Launch the Guardant Control Center service:

```
./grdcontrol-3.21/install.sh
```

3.1.3 Activate license

Assign the necessary permissions to the utility:

```
chmod +x license_wizard
```

Install a package intended to run front-end applications without physical output to the screen:

```
yum -y install xorg-x11-server-Xvfb
```

Execute the license activation command, replacing «your_license_key» with the key received from the VisionLabs representative.

```
xvfb-run ./license_wizard --console --activate "your_license_key" --host "https://ga.visionlabs.ai:9999/"
```

The license activation status should be displayed in the logs.

3.1.4 Save license ID

Go to the Guardant user interface http://<your_host_address>:3189/. A new key should appear on the «Dongles» tab. Save this ID, it will be required to fill in the Licenses service settings.

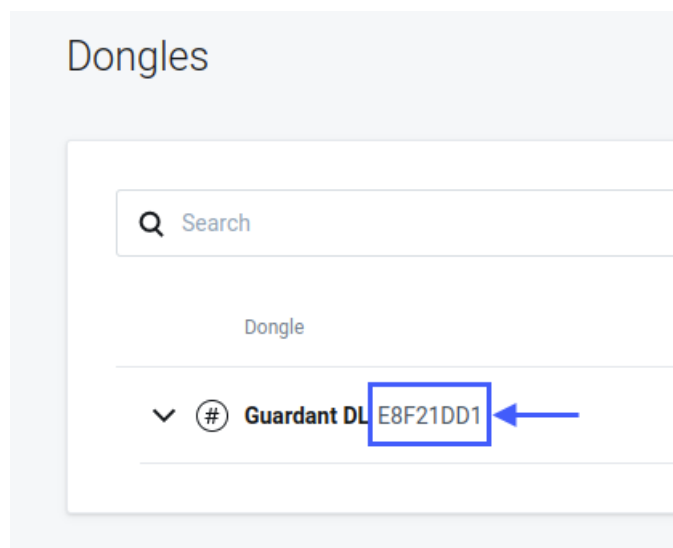


Рис. 2: License ID

3.2 There is no access to Internet

You should perform these steps if there is no Internet connection on the server where license activation is required. In this case, it is supposed to use an auxiliary server with access to the Internet.

3.2.1 Sequencing without internet

The sequence of actions to activate the license:

1. Request a license key from a VisionLabs representative.
2. Install and run Guardant Control Center (general server).
3. Generate a license request file (general server).
4. Install and run Guardant Control Center (auxiliary server).
5. Generate a license activation file (auxiliary server).
6. Activate the license (general server).
7. Go to the Guardant user interface and save the license ID (auxiliary server).
8. Specify your server address and license ID. This can be done using the following methods:
9. Specify your server address and license ID. This can be done using the following methods:
 - **Installation manual:** in the «platform_setting.json» file before starting the FaceStream installation or in the Configurator settings before starting the Licenses container.
 - **Upgrade manual:** in the Configurator settings before starting the Licenses container.

Relevant documents contain reminders of the above actions.

The «Dongles» tab of the user interface (<server_host_address>:3189) displays activated keys.

3.2.2 Launch Guardant Control Center (general server)

To activate the license, you need to launch the Guardant Control Center security key management service.

Go to the directory with the installation files for the Guardant key:

```
cd /var/lib/fs/fs-current/extras/grd/linux
```

Unpack the archive with the files of the Guardant Control Center service:

```
tar -xvf grdcontrol-3.21.tar.gz
```

Launch the Guardant Control Center service:

```
./grdcontrol-3.21/install.sh
```

3.2.3 Generate license request file (general server)

Assign the necessary permissions to the utility:

```
chmod +x license_wizard
```

Install a package intended to run front-end applications without physical output to the screen.

For CentOS 7:

```
yum install xorg-x11-server-Xvfb-1.20.4-10.el7.x86_64.rpm
```

For CentOS 8:

```
dnf install xorg-x11-server-Xvfb-1.20.11-2.el8.x86_64.rpm
```

You can check the version of CentOS using the `cat /etc/centos-release` command.

If you are using another operating system, then you need to download the «xorg-x11-server-Xvfb» package from the auxiliary server yourself and transfer it to the general server.

Run the command to create a request file, specifying the path where you want to save the request file «vlabs.request»:

```
xvfb-run ./license_wizard --console --activate-request bin/vlabs.request
```

3.2.4 Generate license activation file (auxiliary server)

Transfer the generated request file «vlabs.request» to the auxiliary server.

To generate a license file, you need to run the «license_wizard» utility. The utility can be run on Linux or Windows. The steps described below can be performed both on a Linux server and on a Windows server. Depending on the operating system, go to the `linux` or `windows` directory in the following package path: `facestream_docker_v.5.2.0/extras/grd/`

Depending on the OS, follow the appropriate links below:

- [Generate license activation file on Linux](#)
- [Generate license activation file on Windows](#)

3.2.4.1 Generate license activation file on Linux

The auxiliary server also requires a running Guardant Control Center.

Unpack the archive with the files of the Guardant Control Center service:

```
tar -xvf grdcontrol-3.21.tar.gz
```

Launch the Guardant Control Center service:

```
./grdcontrol-3.21/install.sh
```

Assign the necessary permissions to the «license_wizard» utility:

```
chmod +x license_wizard
```

Install a package intended to run front-end applications without physical output to the screen:

```
yum -y install xorg-x11-server-Xvfb
```

Run the license activation command:

```
xvfb-run ./license_wizard --console --activate-response your_license_key bin  
/vlabs.request bin/vlabs.license --host "https://ga.visionlabs.ai:9999/"
```

Here:

- your_license_key — Key received from a VisionLabs representative.
- bin/vlabs.request — Path where the request file «vlabs.request» is located.
- bin/vlabs.license — Path where you need to save the license file «vlabs.license».

Go to the section [«Activate license \(general server\)»](#).

3.2.4.2 Generate license activation file on Windows

Perform the installation by running the file «grdcontrol-3.21.msi».

Run the file «license_wizard.exe».

Perform the following actions in the window that appears:

- Click the «License Activation» button in the upper right corner.
- Click the «Settings» button in the lower left corner and enter the following VisionLabs server address: `https://ga.visionlabs.ai:9999/`.
- Press the «Back» button.
- Press the button «On another».
- Click the «Continue» button.
- Click the «Select a file» button.

Select the file and specify the license key received from the VisionLabs representative.

The screenshot shows the 'Guardant License Wizard' application window. The title bar is dark gray with the text 'Guardant License Wizard' and standard window controls. The main content area has a light beige background. At the top left, there is a blue back arrow and the text 'Back'. Below this is the section header 'License activation' in a large, dark font. Underneath the header, a smaller line of text states: 'For serial number activation a computer with access to the Internet is needed'. The wizard consists of three numbered steps. Step 1 is titled 'On which computer do you want to use the license?'. It contains two rectangular buttons: 'On this' and 'On another'. The 'On another' button is highlighted with a blue border and a light blue background. Step 2 is titled 'Receive the request file on the computer where you want to use the software'. It contains a list of instructions: '1. Run the **Guardant License Wizard** application on it.' and '2. Push the «License activation» button → «Use on this computer» → «Offline activation».' followed by a paragraph: 'As a result, you will receive a **request file** that you need to use on this or any other computer with access to the Internet.' Step 3 is titled 'License activation for another computer'. It features a file selection area with a document icon, the text 'generate_a_new.request', and a close button 'X'. Below this is a link 'Select another one'. A text input field contains the license key '321ffd-xdf234-bg4jks-6gsfbv-5jf3sg' and has a close button 'X'. At the bottom of this section is a blue button labeled 'Activate a new license'. The footer of the window contains a gear icon and the text 'Settings' on the left, and the text 'Русская версия' on the right.

Guardant License Wizard

← Back

License activation

For serial number activation a computer with access to the Internet is needed

1 On which computer do you want to use the license?

On this

On another

2 Receive the request file on the computer where you want to use the software

1. Run the **Guardant License Wizard** application on it.

2. Push the «License activation» button → «Use on this computer» → «Offline activation».

As a result, you will receive a **request file** that you need to use on this or any other computer with access to the Internet.

3 License activation for another computer

generate_a_new.request X

Select another one

321ffd-xdf234-bg4jks-6gsfbv-5jf3sg X

Activate a new license

Settings Русская версия

Рис. 3: License activation window

- click «Activate a new license». The «Save» license button will appear. Save the generated file «vlabs_fingerprint.license».

Go to the section «[Activate license \(general server\)](#)».

3.2.5 Activate license (general server)

Transfer the generated «vlabs.license» file to the general server.

Execute the license activation command, specifying the path where the license activation file «vlabs.license» is located.

```
xvfb-run ./license_wizard --console --activate-offline bin/vlabs.license
```

3.2.6 Save license ID (auxiliary server)

Go to the Guardant user interface http://<your_host_address>:3189/. A new key should appear on the «Dongles» tab. Save this ID, it will be required to fill in the Licenses service settings.

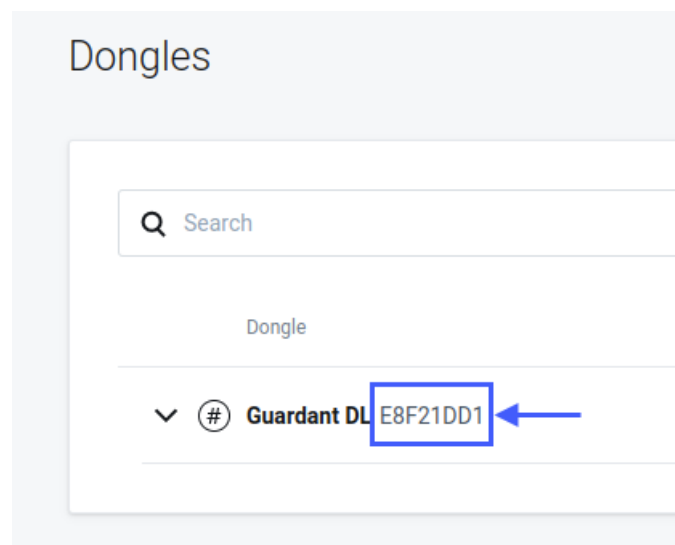


Рис. 4: License ID