

# Content

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# 1. HASP SRM Protection Technology Summary

Starting from version V11, KOMPAS-3D is protected against software piracy via HASP SRM protection technology by Aladdin Knowledge Systems Ltd. HASP SRM is an industry-leading software protection and licensing solution. This document explains how to begin working with HASP SRM protected applications.

1. First of all you need to check your HASP key to understand whether it is HASP SRM compatible or not.

HASP SRM hardware-based protection employs **only HASP HL\*** family of keys:

- HASP HL Pro* - a key for a local machine (for about 20 applications);
- HASP HL Max* - a key for a local machine (for about 200 applications);
- HASP HL Time* - a key with time limit for a local machine;
- HASP HL Net 010/050/250* - a key for network use;
- HASP HL Net Time 010/050/250* - a key with time limit for network use.

**HASP 4** family of keys **is not compatible** with HASP SRM protection technology. See [2. HASP 4 and HASP SRM \(HASP HL\) keys distinction](#) to distinguish between HASP HL and HASP 4 keys. You can send your HASP 4 key to ASCON and get back the appropriate HASP HL key.

HASP HL keys (with exception of HASP HL Max) may be used both for HASP SRM and older HASP protection technology, in other words you can use a HASP HL key (with exception of HASP HL Max) for working with all versions of KOMPAS-3D on condition that the key is licensed for the needed application (see *point 2 below*).

Pay attention, that HASP HL keys of firmware version 3.21 only can be used for HASP SRM protection technology. If your HASP HL key has another firmware version, you ought to update it – see [4. HASP HL key firmware update](#).

2. So, you find the proper HASP HL key. Now you need to license it for using KOMPAS-3D V11 and libraries.

Before working with HASP HL keys make sure that **HASP SRM RTE\*\*** is installed on the machine. HASP SRM RTE includes HASP SRM key driver, Admin Control Center utility and a trial\*\*\* license for applications.

HASP SRM RTE is automatically installed during KOMPAS-3D V11 installation process.

See [3. HASP SRM RTE](#) to install HASP SRM RTE manually and understand Admin Control Center abilities.

HASP SRM **keys remote update** is performed by means of **RUS\*\*\*\*** utility. RUS is automatically installed during KOMPAS-3D V11 installation process and can be accessed from *Start/Programs/ASCON/KOMPAS-3D V11/Protection key programs/ HASP SRM Remote Update System*.

HASP SRM key reprogramming process is implemented in two stages:

- 1) creating **\*.c2v** request file that contains actual key state information:

Launch RUS from *Start/Programs/ASCON/KOMPAS-3D V11/Protection key programs/ HASP SRM Remote Update System* and go to *Collect Key Status Information* tab.

Then press *Collect Information* button and save the file. **Select only HASP HL (not HASP SL) key from the list!** Send this \*.c2v file to [contact@ascon.net](mailto:contact@ascon.net);

- 2) burning **\*.v2c** response file into the key:

Save \*.v2c file received from ASCON on the machine.

Launch RUS from *Start/Programs/ASCON/KOMPAS-3D V11/Protection key programs/ HASP SRM Remote Update System* and go to *Apply License Update* tab.

In the *Update file* field browse to the saved \*.v2c file and select it. Then press *Apply Update* button. Do not disconnect the key during the update!

See [5. License Data Updating Process](#) to use RUS without KOMPAS-3D V11 installation and get more detailed description of HASP SRM key reprogramming process.

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\* *HL means Hardware License*

\*\* *RTE means Run-time Environment*

\*\*\* *A trial license for an application is a HASP SL key (SL means Software License) of special type that allows using the application without any HASP HL key for 30 days period. It is included into HASP SRM RTE on application distribution disk.*

\*\*\*\* *RUS means Remote Update System*

## 2. HASP 4 and HASP SRM (HASP HL) keys distinction

<p><b>HASP 4 keys family</b> compatible with KOMPAS-3D V10 and previous versions. <i>Do not work with KOMPAS-3D V11!</i></p>	<p><b>HASP SRM / HASP HL keys family</b> compatible with all versions of KOMPAS-3D*</p>
 <p><b>HASP 4 M1</b> USB-key is violet in color, length - 53 mm.</p>	 <p><b>HASP HL Pro</b> USB-key is violet in color, length - 40 mm.</p>
<p>No analogues for KOMPAS-3D V10 or previous versions</p>	 <p><b>HASP HL Max</b> USB-key is green in color, length - 40 mm. <b>*Can not be used for KOMPAS-3D V10 or previous versions!</b></p>
 <p><b>HASP 4 Net 5/10/20/50/100/Unlimited</b> USB-key is red in color, length - 53 mm.</p>	 <p><b>HASP HL Net 10/50/250+</b> USB-key is red in color, length - 40 mm.</p>
<p>No analogues for KOMPAS-3D V10 or previous versions</p>	 <p><b>HASP HL NetTime</b> USB-key is red in color, length - 53 mm.</p>
 <p><b>HASP 4 Time</b> USB-key is black in color, length - 53 mm.</p>	 <p><b>HASP HL Time</b> USB-key is black in color, length - 53 mm.</p>
 <p><b>Hasp4 Time (Local)</b> The key can be identified by rounded edges</p>	 <p><b>Hasp HL Time (Local)</b></p>
 <p><b>Hasp HL Time (Local)</b></p> <p><b>Hasp4 Time (Local)</b></p> <p>Keys also differ in stamps (you may need to remove key label)</p> 	

### 3. HASP SRM RTE

HASP SRM RTE (*RTE means Run-time Environment*) includes HASP HL *key driver* and *Admin Control Center* utility. Special version of HASP SRM RTE also includes a *trial license* for an application – a HASP SL key (*SL means Software License*) of special type that allows using the application without any HASP HL key for 30 days period.

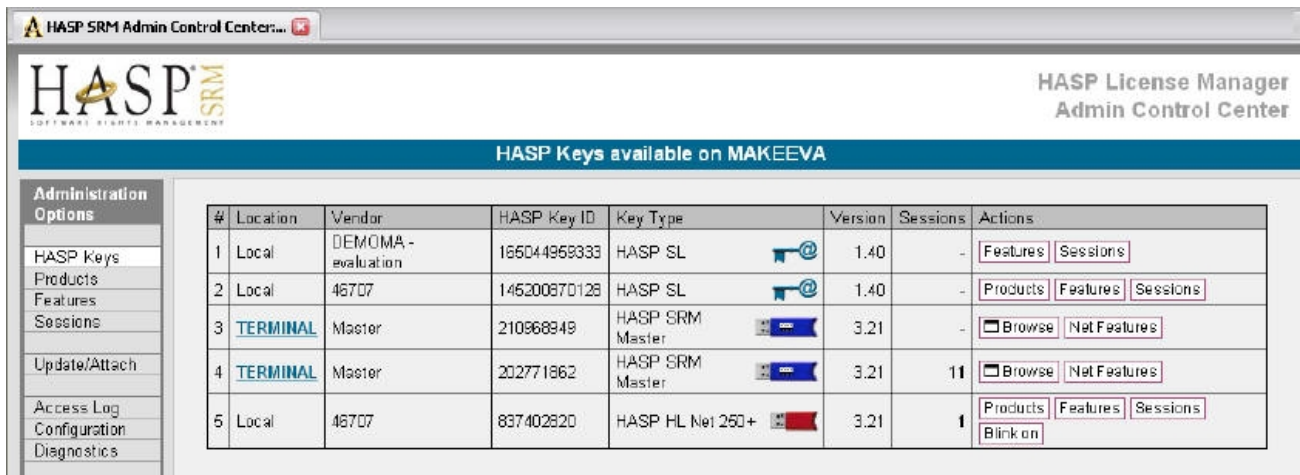
HASP SRM RTE is to be installed on every machine where the protected application is used and/or HASP SRM key is connected to.

HASP SRM RTE is automatically installed during KOMPAS-3D V11 installation process. To install HASP SRM RTE manually:

- 1) find *haspdinst.exe* file in *C:/Program Files/ASCON/KOMPAS-3D V11/hasp/* directory on the machine where you have already installed KOMPAS-3D V11 (this file includes trial license for KOMPAS-3D V11 and libraries) or in *../Support/HASP SRM/Driver/* directory on distribution disk or download it here: <http://sd.ascon.ru/ftp/Public/Utils/HASP%20SRM/driver/> (both files do not include the trial license);
- 2) execute *haspdinst -i* for this file in command line.

*Admin Control Center (ACC)* is an all-in-one utility that includes HASP *license manager* for network keys, protection system *diagnostics* and license *access monitoring* tools.

ACC is a web-based utility – open <http://localhost:1947> in your browser:



The screenshot shows the HASP SRM Admin Control Center web interface. The title bar reads "HASP SRM Admin Control Center...". The main header includes the HASP SRM logo and "HASP License Manager Admin Control Center". Below the header, a blue bar indicates "HASP Keys available on MAKEEVA". On the left, there is a navigation menu with "Administration Options" expanded, showing sub-items: HASP Keys, Products, Features, Sessions, Update/Attach, Access Log, Configuration, and Diagnostics. The main content area displays a table with the following data:

#	Location	Vendor	HASP Key ID	Key Type	Version	Sessions	Actions
1	Local	DEMOMA - evaluation	166044968333	HASP SL	1.40	-	Features Sessions
2	Local	46707	146200870128	HASP SL	1.40	-	Products Features Sessions
3	TERMINAL	Master	210868848	HASP SRM Master	3.21	-	Browse Net Features
4	TERMINAL	Master	202771862	HASP SRM Master	3.21	11	Browse Net Features
5	Local	46707	837402820	HASP HL Net 250+	3.21	1	Products Features Sessions Blink on

Picture 3.1: Admin Control Center/ HASP Keys

In addition ACC provides the following information:

- HASP HL driver version;
- accessible HASP HL(SL) keys;
- accessible licenses;
- currently used licenses (opened sessions).

Also ACC enables you to:

- update license data in your HASP HL key using \*.v2c-file;
- administer access to keys and licenses;
- write an access log for network keys and view a history of log entries.

Total information about ACC abilities you can find in:

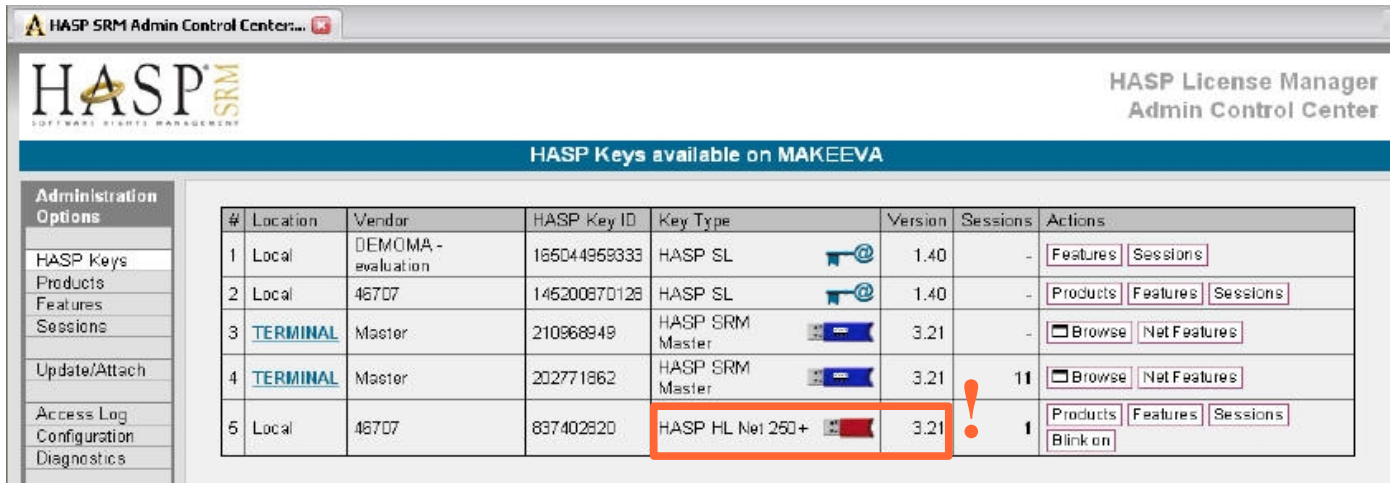
- online help of the utility (click *Help* option in *Administration Options* or *Help* link in the lower-right corner of a page);
- *Admin\_Guide.pdf*, chapter 6: go to *Start/Programs/ASCON/KOMPAS-3D V11/Manuals* or *../Doc/KOMPAS\_Guides/* on distribution disk;
- ServiceDESK FAQ article <http://sd.ascon.ru/otrs/public.pl?Action=PublicFAQ&CategoryID=91&ItemID=495>

## 4. HASP HL key firmware update

*HASP SRM protection technology works with HASP HL keys of firmware version 3.21 only.*

Please, check firmware version of your HASP HL key before working with it:

- 1) insert your HASP HL key and wait till it is detected by operating system;
- 2) open *HASP SRM Admin Control Center (ACC)* on page *HASP Keys*:  
[http://localhost:1947/\\_int\\_/devices.html](http://localhost:1947/_int_/devices.html);
- 3) find your HASP HL key in the table and see its firmware version in the column *Version*:



#	Location	Vendor	HASP Key ID	Key Type	Version	Sessions	Actions
1	Local	DEMOMA - evaluation	166044959333	HASP SL	1.40	-	Features Sessions
2	Local	46707	146200870128	HASP SL	1.40	-	Products Features Sessions
3	TERMINAL	Master	210968949	HASP SRM Master	3.21	-	Browse Net Features
4	TERMINAL	Master	202771862	HASP SRM Master	3.21	11	Browse Net Features
5	Local	46707	837402820	HASP HL Net 250+	3.21	1	Products Features Sessions Blink on

Picture 4.1: HASP SRM HL key firmware version

If firmware version differs from 3.21, you ought to update it:

1. download *HASP SRM Firmware Update* utility:  
[http://sd.ascon.ru/ftp/Public/Utils/HASP%20SRM/firmware\\_update/](http://sd.ascon.ru/ftp/Public/Utils/HASP%20SRM/firmware_update/);
2. launch the utility and press *Apply Update* button:



Picture 4.2: Firmware Update utility

**IMPORTANT!** Do not remove the key during firmware update process.

3. when finished, check in *ACC/HASP Keys* that firmware version is updated to 3.21.

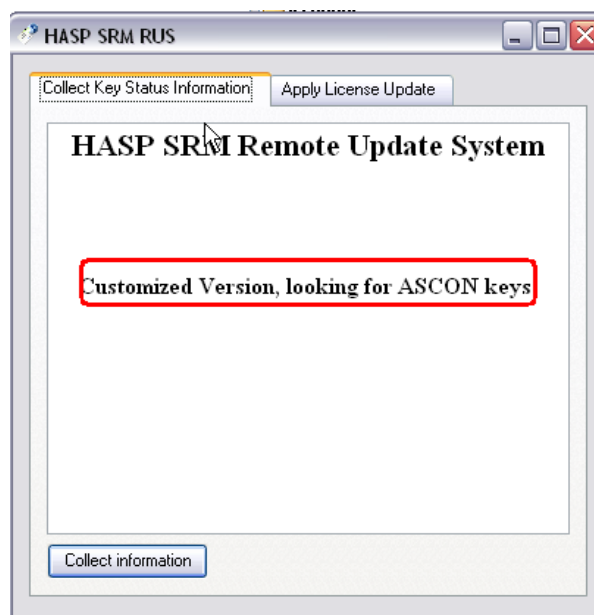
## 5. License Data Updating Process

**LICENSE DATA UPDATING** is performed in two stages:

- at first you are to create **customer-to-vendor (C2V) request file** for the HASP SRM protection key to be updated. C2V files have a **.c2v** extension and contain information on the licensing and memory content of the HASP SRM protection keys;
- in return you will get a **vendor-to-customer (V2C) response file** that contains the license update data that should be burnt into the key.

HASP SRM RUS utility is used to implement both stages of updating.

**HASP SRM RUS** is an advanced utility that enables secure remote updating of the license and memory data of HASP SRM protection keys. **IMPORTANT!** This utility is vendor-customized, so in case of manual HASP SRM RTE installation you are to download and use *only* ASCON-customized version: <http://sd.ascon.ru/ftp/Public/Utils/HASP%20SRM/foreign/hasprusa/>. If you have already installed KOMPAS-3D V11, just go to **Start/Programs/ASCON/KOMPAS-3D V11/Protection key programs/ HASP SRM Remote Update System** to work with HASP SRM RUS:



Picture 5.1: HASP SRM RUS, ASCON-customized version

HASP SRM RUS window consists of the following tabs:

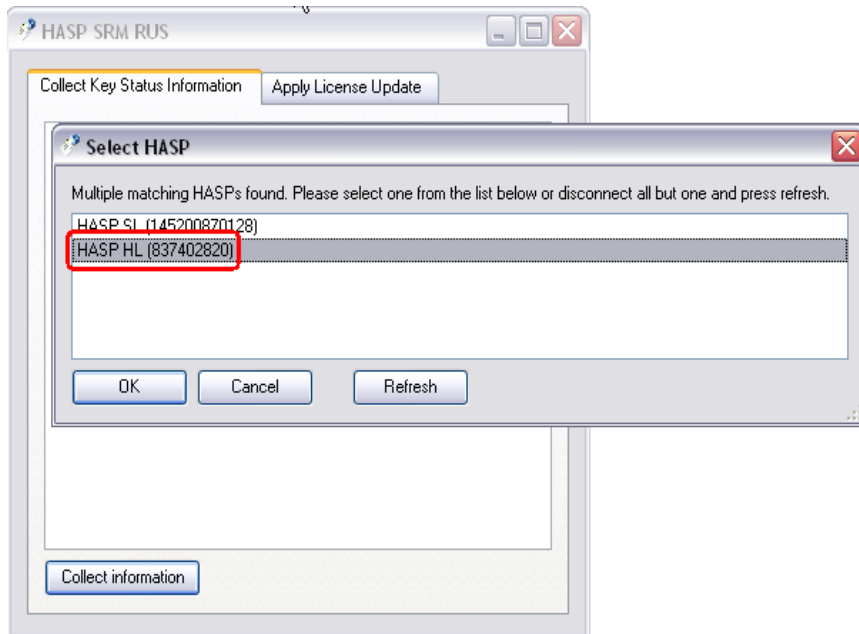
- **Collect Key Status Information** – this tab is used to collect information on the current status of the licenses in the HASP SRM protection key. You are to specify a name and location for the generated C2V file. If more than one HASP SRM protection key is installed, you need to select the required key. No private customer data is included in the C2V file;
- **Apply License Update** – this tab is used to apply a V2C file and update licenses in a HASP SRM protection key.

### **LICENSE DATA UPDATING, STAGE 1: Collecting HASP SRM Key License Data**

You need to use HASP SRM RUS utility to produce a **customer-to-vendor (C2V) request file (\*.c2v)** containing information on the current status of the licenses in your HASP SRM protection keys:

- 1) launch the utility: go to **Start/Programs/ASCON/KOMPAS-3D V11/Protection key programs/ HASP SRM Remote Update System** or download it at <http://sd.ascon.ru/ftp/Public/Utils/HASP%20SRM/foreign/hasprusa/>. Run the utility on the machine where the needed HASP key is inserted!
- 2) click the *Collect Key Status Information* tab;
- 3) click *Collect Information* button. The *Save key status as* window is displayed;
- 4) specify the directory where you want to store *c2v*-file. Enter a file name and click *Save* button. The *Select HASP* window is displayed;
- 5) select the proper key from the list and click *OK* button.

**IMPORTANT!** Select only **HASP HL (not HASP SL\*!)** key from the list (see Picture 5.2: *HASP SRM RUS Collecting Information*). If there are several HASP keys in the list, choose the proper key by its ID in brackets. See *HASP SRM Admin Control Center (ACC)* on page *HASP Keys* to understand the needed ID in **HASP Key ID** column: [http://localhost:1947/\\_int/\\_devices.html](http://localhost:1947/_int/_devices.html).



Picture 5.2: *HASP SRM RUS Collecting Information*

Send this \*.c2v-file to [contact@ascon.net](mailto:contact@ascon.net) in order to receive a license update.

## **LICENSE DATA UPDATING, STAGE 2: Applying an Update**

Again, you need to use HASP SRM RUS utility for this stage:

- 1) save *vendor-to-customer response file (\*.v2c)* received from ASCON to your computer;
- 2) launch HASP SRM RUS utility: go to *Start/Programs/ASCON/KOMPAS-3D V11/Protection key programs/ HASP SRM Remote Update System* or download it at [http://sd.ascon.ru/ftp/Public/Utils/HASP %20SRM/foreign/hasprusal](http://sd.ascon.ru/ftp/Public/Utils/HASP%20SRM/foreign/hasprusal). Run the utility on the machine where the needed HASP key is inserted!
- 3) click the *Apply License Update* tab;
- 4) in the *Update file* field browse to the directory where the update v2c-file is located and select it;
- 5) click *Apply Update* to apply the new license data to your HASP key.

**IMPORTANT! Do not disconnect the key during the update!**

With any questions, please, contact ASCON Technical Support at [support@ascon.net](mailto:support@ascon.net) or your Regional Manager.

\* HASP SL is automatically installed on the machine during KOMPAS-3D V11 installation. It contains a software license that allows to use the software without a hardware key within 30 days.