

# Installing/Updating a License (Applying V2C Files) Application Note



# Installing/Updating a License (Applying V2C Files)

### Introduction

٠

After sending a C2V or fingerprint file to Stromasys Orders Administration and receiving one or more V2C files from Stromasys, the file(s) must be installed on the emulator host system or the license server. This document describes the different ways in which this task can be performed:

- Installing/Updating a License with Sentinel ACC
- Installing/Updating a License with Linux Tools
- Installing/Updating a License with Windows Tools
  - Starting the License Update Utility for the Standalone License Driver Installation
  - Starting the License Update Utility for Charon-AXP/VAX/PDP
    - Charon-AXP/VAX/PDP Version 4.7
    - Charon-AXP/VAX/PDP Version 4.8
  - Starting the License Update Utility for Charon-AXP/SMA
  - Installing the V2C File(s)
- Verifying the License
  - Viewing a License with Sentinel ACC
  - Viewing a License with hasp\_srm\_view on Linux
  - Viewing a License with the Licence Viewing Utility on Windows
    - Starting the HASP View Utility on a System with Standalone License Drivers
    - Starting the HASP View Utility on Charon-AXP/VAX Version 4.7
    - Starting the HASP View Utility on Charon-AXP/VAX Version 4.8
    - Starting the HASP View Utility on Charon-AXP/SMA
    - Viewing the License Content

For recent product versions, the license update can be performed without interrupting the operation of the Charon instance. Please refer to the release notes of your product version to determine if this applies to your version. Charon will normally recognize the updated license at the next periodic license check and start to use it.

In most cases, the update of the V2C file(s) will be performed on the system where the license is to be installed. However, the license update for a **hardware license** can be performed on any system where the license drivers (standalone or as part of a Charon emulator product) are installed. After the license update, the USB dongle can be moved to the target system. This is **not possible** for software licenses.

Before continuing with the steps below, make sure the relevant V2C file(s) are stored on the filesystem of the system where the license will be installed or updated.

If a hardware USB key is to be updated, you will have received **two** files: a \*\_**fmt.v2c** file and a \*.**v2c** file. The \*\_fmt.v2c file formats the dongle and the \*.v2c file contains the updated license data.

In such cases the \*\_fmt.v2c file must be applied first.

# Installing/Updating a License with Sentinel ACC

To use the Sentinel ACC on the local system to apply V2C files, open the URL http://localhost:1947/\_int\_/checkin.html (this is the link for the option Update/Attach).

The page displayed will be similar to the one in the following image, which shows the Sentinel ACC on Linux:

	SafeNet Sentinel ACC: Update/Attach License - Mozilla Firefox	×			
SafeNet Sentine	el AC × +				
i localhost:194	47/_int_/checkin.html C Q Search 🟠 🖻 🖡 🎓 💟 🗄	=			
	Sentinel Admin Control Center				
Options	Update/Attach License to localhost.localdomain				
Sentinel Keys Products	Apply File				
Features	Select a V2C, H2R, R2H, H2H, ALP or ID file:				
Sessions	Browse No file selected.				
Update/Attach	Apply File Cancel				
Access Log					

Click on the button Browse (called Choose File on some products/versions) and select the appropriate file in the file browser window that opens.

Click on Apply File to apply the V2C file. If you received two files, start with the \*\_fmt.v2c file and repeat the step for the second .v2c file.

You can also use this method to update a license connected to a different system. To do this, use the name of the target system instead of localhost in the URL.

- The V2C file(s) must be located on the system on which you start the browser.
- Remote access to the Sentinel ACC of the target system must be enabled (this is described in detail in the Licensing Handbook).
- The firewall settings must allow access to the Sentinel ACC of the target system over the network (TCP port 1947 must be open).

# Installing/Updating a License with Linux Tools

In addition to the Sentinel ACC, the command hasp\_update can be used on Linux to apply V2C files.

The following example shows the use of the hasp\_update command:

# hasp\_update u /path/filename.v2c

If you received two V2C files, perform this command for both files (remember to first apply the \*\_fmt.v2c file).

The full paths to the command are listed in the following table:

Charon emulator product	Path to Commands
Charon-AXP/VAX, standalone /opt/charon/bin/hasp_update license drivers	
Charon-SSP /opt/charon-agent/ssp-agent/utils/license/hasp_update	
Charon-HPA ./Sentinel_HASP_Linux_Run-time_Installer_script/hasp_update under the installation directory	

The commands described in this section also work for Charon-SSP. However, the Charon-SSP emulator product has its own GUI, the Charon-Manager, which also includes a license update tool that can apply a V2C file. Please refer to full Licensing Handbook for more information.

## Installing/Updating a License with Windows Tools

This step is performed using the License Update Utility.

The license update utility (also called HASPRUS) is started in different ways depending on the Charon product used.

### Starting the License Update Utility for the Standalone License Driver Installation

Log in as Administrator. Navigate to the folder where the Sentinel license driver utilities were installed and double-click on the program **RUS\_OQEDC** or start the command from a command window.

### Starting the License Update Utility for Charon-AXP/VAX/PDP

On versions **before** Charon-AXP/VAX/PDP version 4.8 this utility is called License Update Service. On versions 4.8 and higher it is called License Update Tool.

### Charon-AXP/VAX/PDP Version 4.7

The license update utility is started via Start -> Charon -> Utilities -> License Update Service:

📀 AlphaServer GS320
Utilities
OHARON Launcher version 1.41
CHARON Log Monitor and Dispa
CHARON Service Manager versio
HASP View Version 1.21.17101
Host Device Check utility v1.2.17: ≡
License Update Service version 7.
Mkdisk utility version 2.15
Network Control Center version 1

### Charon-AXP/VAX/PDP Version 4.8

The license update utility is started from the CHARON Virtual Machines Manager. The CHARON Virtual Machines Manager is started either via the desktop icon or from the start menu:



Once the CHARON Virtual Machines Manager has been started, go to the Host Information & Utilities tab and click on the License Update Tool button:

CHARON VM Management	- • •
M Control   VM Configuration Host Information & Utilities	
The list of most recent installed components and tools:	
Sentinel HASP Run-Time environment version: 6.65.48603.1	
HASP License Details application (hasp_view) v. 1.24	
License Update tool (hasp_rus) v. 7.3	
Network Control Center application (netdiag) v. 1.50	
CHARON device check application (devcheck) v. 1.2	
Virtual Disk tool (mkdskwin) v. 2.17	
	1
Sentinel Admin Control Center HASP License Details License Update Tool Network Control Center Device Check Tool	Virtual Disk Tool

### Starting the License Update Utility for Charon-AXP/SMA

The license update utility is started via the the system tray icon. Clicking on the icon will open a menu similar to the following:



Click on the Key update menu item to start the utility.

### Installing the V2C File(s)

After receiving the V2C file(s) from Stromasys, copy the file(s) to the system where the license needs to be installed, start the license update utility as described above, and install the new license.

If a hardware USB key is to be updated, you will have received **two** files: a \*\_**fmt.v2c** file and a \*.**v2c** file. The \*\_fmt.v2c file formats the dongle and the \*.v2c file contains the updated license data. In such cases the \*\_**fmt.v2c** file must be applied **first**.

1. To install the V2C file(s) for hardware and software licenses, select the option Apply License File.

🥐 RUS	- • •
Collect Status Information Apply License File Transfer License	
~~~~~	
Update File	
Apply Update	

- 2. Press the "..." button next to the Update File field. This will open a file browser.
- 3. Select the V2C file to be applied.
- 4. Click on Apply Update to complete the operation.

If you received two V2C files, perform these steps for both files (remember to first apply the \*\_fmt.v2c file).

# Verifying the License

Licenses can be viewed using two tools:

- Sentinel ACC: shows important information, but not the product specific license parameters.
- Operating system specific tools: show all product details contained on the license. Can only be run from a local connection for local hardware licenses.

### Viewing a License with Sentinel ACC

To view available licenses using Sentinel ACC, start the web interface as described above.

To get to the Sentinel Keys screen, click on the corresponding menu item or access the URL http://localhost:1947/\_int\_/devices.html directly. A screen similar to the following will open and display the available license keys:

← → C Ⅲ 0	h	ttp://local	lhost 19	47/_int_/devices.ht	ml								•		٩
GafeNet								Se	ntine	l Adı	min (	Conti	rol C	ent	er
Options	S	Sentinel I	Keys A	vailable on Host1	6										
Sentinel Keys	#	Location	Vendor	Key ID	Кеу Туре		Configuration	Version	Sessions	Actions					
Products	1	Local	68704	760119089	HASP HL Time	E C		3.25		Products	Features	Sessions	Blink or	C2V	
Features Sessions	2	ub-untu	68704	591000938217868661	HASP SL AdminMode Rehostable	100 May	-	2.35		Brows	e NetFea	tures			
Update/Attach															
Access Log															
Configuration															
Diagnostics															

This page displays important information about the available licenses, including

- Location: Shows whether the license is local or remote. If the license is a network license, the hostname of the remote system is specified. By clicking on the hostname, the license manager of this system is accessed.
- Key ID: The unique identification of the license.
- Key Type: Hardware keys are marked by the abbreviation HL (hardware license) and a picture of the license dongle. Software licenses are
  marked by the abbreviation SL (software license). Rehostable indicates that this license is a software license that can be transferred to a different
  computer.
- Sessions: Shows the number of active sessions opened for the specific key.

The buttons on the right-hand side can be used to retrieve more information about the license or to extract the C2V file for a license update. A C2V file can only be extracted if the license in question is local to the current license manager (in the example above, the network license on a different host does not have the option to create a C2V file).

The option to create a C2V file is not available in older versions of the Charon emulator software.

The menu options *Products*, *Features* and *Sessions* on the left-hand side provide the same information as the buttons. However, they show the information for all licenses.

#### Viewing a License with hasp\_srm\_view on Linux

On Linux, the license content is displayed using the hasp\_srm\_view command. For displaying the license, the following parameters are relevant:

- Display the default license: run the command without options or with -1
- Display all licenses: run the command with the option -all
- Display a license with a specific ID: run the command with the option -key

Local hardware licenses can only be displayed from a local connection to the system, for example via the console. If you are connected via a remote connection, for example via **ssh**, the **hasp\_srm\_view** command will return an error. Network licenses do not have this problem.

A workaround is described below.

#### Workaround when logged in via a remote connection:

When connected to the system via a remote connection, the command to display a local hardware license will return an error. As a workaround, you can display the license contents with the following command (adapt the path of the command if your installation location is different):

\$ ssh localhost /opt/charon/bin/hasp\_srm\_view

The following shows sample output of the hasp\_srm\_view command on Linux (to display all available licenses, use the -all parameter):

\$ hasp_srm_view				
License Manager running at host: hostl.example.com				
License Manager IP address: 127.0.0.1				
The Physical KeyId: 760119089				
CHARON Sentinel HASP License key section				
Reading 4032 bytes				
The License Number: 1000.639				
The License KeyId: 760119089				
The Master KeyId: 2131943932				
Release date: 09-JUN-2016				
Release time: 14:33:59				
Update number: 6				
End User name: Stromasys - Userl				
Purchasing Customer name: Stromasys SA				
Virtual Hardware: AlphaServer_DS10, AlphaServer_DS10L, AlphaServer_DS15, AlphaServer_DS20				
Instances allowed: 5				
Product Name: CHARON-AXP				
Product Code: CHAXP-470xx-WI-LI				
Major Version: 4				
Minor Version: 7				
Maximum Build: 99999				
Minimum Build: 1				
Host CPU supported: X64				
Host Operating System required: WINDOWS, LINUX				
CPU's allowed: 32				
Maximum virtual memory: 65536MB				
Released product expiration date: 12-Jan-2017				
output truncated				

### Viewing a License with the Licence Viewing Utility on Windows

#### Starting the HASP View Utility on a System with Standalone License Drivers

On a Windows system with the standalone license drivers installed, the license hasp\_view command must be started from the installation folder.

Proceed as follows to display the license content:

- Log in as a user with administrator rights.
- Navigate to the installation folder and select either the x86 or the x64 subfolder depending on the architecture of the system.
- Double-click on the hasp\_view program.

### Starting the HASP View Utility on Charon-AXP/VAX Version 4.7

To display the license content, proceed as follows:

- Open the start menu.
- Select the menu entry Charon, then Charon-AXP or Charon-VAX/PDP.
- Select the Utilities subfolder in the menu.
- Click on the HASP View utility as shown in the following image.



### Starting the HASP View Utility on Charon-AXP/VAX Version 4.8

To display the license content, proceed as follows:

Open the CHARON Virtual Machines Manager via the corresponding desktop icon or the start menu:



Once the CHARON Virtual Machines Manager has been started, go to the Host Information & Utilities tab and click on the HASP License Details button.

#### Starting the HASP View Utility on Charon-AXP/SMA

To display a license, right-click on the Charon icon in the system tray. This will open the management menu as shown in the following image:



Selecting View License from this menu will open the license viewer window.

#### **Viewing the License Content**

To view available licenses using the license viewing utility, start the program as described above.

A local hardware key cannot be read via a remote connection (e.g., via RDP). One possible workaround is described in detail in the document How to read a HASP key over RDP on Windows. It shows, how to setup a scheduled task for this purpose.

The following image shows sample output:

License Keys:       527889790         License Manager running at host: DESKTOP-2MHRSGE         License Manager IP address:       127.0.0.1         The Physical Key ID: 527889790         CHARON Sentinel HASP License key section         The License Number:       100.826         The License Keyld:       527889770         Release date:       09-3UN-2016         Release date:       09-3UN-2016         Release date:       09-3UN-2016         Release time:       14-32:36         Update number:       3         End User name:       Stromasys:         Instances adioved:       5         Product Code:       CHARON-xAP         Product Solid:       CHARON-xAP         Product Solid:       CHARON-xAP         Product Solid:       CHARON-xAP         Prod	CHARON License Details			
License Manager running at host: DESKTOP-2MHRSGE License Manager IP address: 127.0.0.1 The Physical Key ID: 527889790 CHARON Sentinel HASP License key section The License Number: 1000.826 The License KeyLd: 527889790 The Master KeyLd: 2131943932 Release dist: 09-1NI-2016 Release the: 14:32:36 Update number: 5 End User name: Stromasys SA Virtual Hardware: AlphaServer_DDI 0, AlphaServer_DDI 0L, AlphaServer_DDI 5, AlphaServer_DD20, AlphaServer_DD25, AlphaServer_ES40, AlphaServer_ES45, AlphaServer_ Instances allowed: 5 Product Name: CHARON-AXP Product Code: CHAXP-470xx-WI-LI Major Version: 7 Maximum Build: 99999 Minimum Build: 999999 Minimum Build: 999999 Minimum Build: 99999 Minimum Build: 91 Host OPUr staneor: 12-Jan-2017: 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3900, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5 <	License keys: 527889790			
The Physical Key ID: 527889790 CHARON Sentinel HASP License key section The License Number: 1000.826 The License Keyld: 527889790 The Master Keyld: 2131943932 Release time: 14:32:36 Update number: 5 End User name: Stromasys - Host. Purchasing Customer name: Stromasys SA Wrtual Hardware: AlphaServer_DS10, AlphaServer_DS10, AlphaServer_DS15, AlphaServer_DS20, AlphaServer_ES40, AlphaServer_ES45, AlphaServer_ Instances allowed: 5 Product Tame: CHARON-AXP Product Code: CHAXP-470xx-WI-L1 Major Version: 7 Maximum Build: 99999 Minimum Build: 99999 Minimum Build: 1 Host CPU supported: X64 Host Operating System required: WINDOWS, LINUX CPU's allowed: 32 Maximum Virtual memory: 65536M8 Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5	License Manager running at host: DESKTOP License Manager IP address: 127.0.0.1	>-2MHR5GE		^
CHARON Sentinel HASP License key section The License Number: 1000.826 The License Keyld: 527889790 The Master Keyld: 2131943932 Release date: 09-JUN-2016 Release the: 14:32:36 Update number: 5 Company: HostI Purchasing Customer name: Stromasys SA Virtual Hardware: AlphaServer_DS10, AlphaServer_DS10L, AlphaServer_DS15, AlphaServer_DS25, AlphaServer_ES40, AlphaServer_ES45, AlphaServer_ Instances allowed: 5 Product Name: CHARON-AXP Product Code: CHAXP-470xx-WI-LI Major Version: 7 Maxium Build: 1 Host CPU supported: X64 Host Operating System required: WINDOWS, LINUX CPU's allowed: 32 Maximum Virtual menory: 65536MB Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5	The Physical Key ID: 527889790			
The License Number: 1000.826 The License KeyId: 527889790 The Master KeyId: 2131943932 Release date: 09-JUN-2016 Release tate: 09-JUN-2017 Release tate: 09-JUN-2016 Release tate: 09-JUN-2016 Release tate: 09-JUN-2016 Release tate: 09-JUN-2016 Release tate: 09-JUN-2017 Release tate	CHARON Sentinel HASP License key section	1		
The License Keyld: 1527889790 The Master Keyld: 151943932 Release date: 09-JUN-2016 Release time: 14:32:36 Update number: 5 End User name: Stromasys · Host1 Purchasing Customer name: Stromasys SA Virtual Hardware: AlphaServer_DS10, AlphaServer_DS10L, AlphaServer_DS15, AlphaServer_DS20, AlphaServer_DS25, AlphaServer_ES40, AlphaServer_ES45, AlphaServer_ Instances allowed: 5 Product Name: CHARCN-AXP Product Code: CHAXP-470xx-WI-LI Major Version: 7 Maximum Build: 199999 Minimum Build: 199999 Minimum Build: 199999 Minimum Build: 199999 Minimum Build: 199999 Maximum virtual memory: 65536M8 Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_IL, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5	The License Number: 1000.826			
The Master Keyld: 2131943932 Release date: 09-JUN-2016 Release tate: 09-JUN-2016 Ind User name: Stromasys - Host1 Purchasing Customer name: Stromasys SA Virtual Hardware: AlphaServer_DS10, AlphaServer_DS10L, AlphaServer_DS15, AlphaServer_DS20, AlphaServer_DS25, AlphaServer_ES40, AlphaServer_ES45, AlphaServer_ Instances allowed: 5 Product Name: CHARON-AXP Product Code: CHAXP-470xx-WI-LI Major Version: 7 Maximum Build: 1 Host CPU supported: X64 Host Operating System required: WINDOWS, LINUX CPU's allowed: 32 Maximum virtual memory: 65536MB Product expiration date: 12-Jan-2017_00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3600_512, VA Instances allowed: 5	The License KeyId: 527889790			
Release bate: 09-30N-2018 Release them: 14:32:36 Update number: 5 End User name: Stromasys - Host1 Purchasing Customer name: Stromasys SA Virtual Hardware: AlphaServer_DS10, AlphaServer_DS10L, AlphaServer_DS15, AlphaServer_DS20, AlphaServer_DS25, AlphaServer_ES40, AlphaServer_ES45, AlphaServer_ Instances allowed: 5 Product Name: CHARON-AXP Product Code: CHAXP-470xx-VII-LI Major Version: 7 Maximum Build: 1 Host CPU supported: X64 Host Operating System required: WINDOWS, LINUX CPU's allowed: 32 Maximum virtual memory: 65536MB Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5	The Master KeyId: 2131943932			
Virtual Hardware: AlphaServer_DS10, AlphaServer_DS10L, AlphaServer_DS15, AlphaServer_DS20, AlphaServer_DS25, AlphaServer_ES40, AlphaServer_ES45, AlphaServer_ Instances allowed: 5 Product Name: CHARON-AXP Product Code: CHAXP-470xx-WI-LI Major Version: 7 Maximum Build: 99999 Minimum Build: 1 Host CPU supported: X64 Host Operating System required: WINDOWS, LINUX CPU's allowed: 32 Maximum virtual memory: 65536MB Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5	Release date: 09-JUN-2010 Release time: 14:32:36			
End User name: Stromasys - Host1 Purchasing Customer name: Stromasys SA Virtual Hardware: AlphaServer_DS10, AlphaServer_DS10L, AlphaServer_DS15, AlphaServer_DS20, AlphaServer_DS25, AlphaServer_ES40, AlphaServer_ES45, AlphaServer_ Instances allowed: 5 Product Name: CHARON-AXP Product Code: CHAXP-470xx-WI-LI Major Version: 4 Minor Version: 7 Maximum Build: 1 Host CPU supported: X64 Host Operating System required: WINDOWS, LINUX CPU's allowed: 32 Maximum virtual memory: 65536MB Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5	Update number: 5			
Purchasing Customer name: Stromasys SA Virtual Hardware: AlphaServer_DS10, AlphaServer_DS10L, AlphaServer_DS15, AlphaServer_DS20, AlphaServer_DS25, AlphaServer_ES40, AlphaServer_ES45, AlphaServer_ Instances allowed: 5 Product Name: CHARON-AXP Product Code: CHAXP-470xx-WI-LI Major Version: 7 Maximum Build: 99999 Minimum Build: 1 Host CPU supported: X64 Host Operating System required: WINDOWS, LINUX CPU's allowed: 32 Maximum virtual memory: 65536M8 Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5	End User name: Stromasys · Host1			
Virtual Hardware: AlphaServer_DS10, AlphaServer_DS10L, AlphaServer_DS15, AlphaServer_DS20, AlphaServer_DS25, AlphaServer_ES40, AlphaServer_ES45, AlphaServer_ Instances allowed: 5 Product Name: CHARON-AXP Product Code: CHAXP-470xx-WI-LI Major Version: 7 Maximum Build: 99999 Minimum Build: 1 Host CPU supported: X64 Host Operating System required: WINDOWS, LINUX CPU's allowed: 32 Maximum virtual memory: 65536MB Product expiration date: 12-Jan-2017_00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5	Purchasing Customer name: Stromasys SA			
Instances allowed: 5 Product Name: CHARON-AXP Product Code: CHAXP-470xx-WI-LI Major Version: 7 Maximum Build: 99999 Minimum Build: 1 Host CPU supported: X64 Host Operating System required: WINDOWS, LINUX CPU's allowed: 32 Maximum virtual memory: 65536MB Product expiration date: 12-3an-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5	Virtual Hardware: AlphaServer DS10, Alph	aServer DS10L, AlphaServer DS15, AlphaS	erver DS20, AlphaServer DS25, AlphaServer ES	40, AlphaServer ES45, AlphaServer
Product Name: CHARON-AXP Product Code: CHARP-470xx-WI-LI Major Version: 7 Maximum Build: 99999 Minimum Build: 1 Host CPU supported: X64 Host CPU supported: X64 CPU's allowed: 32 Maximum virtual memory: 65536MB Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3600_512, VA Instances allowed: 5	Instances allowed: 5			
Product Code: CHAXP-470xx-WI-LI Major Version: 4 Minor Version: 7 Maximum Build: 99999 Minimum Build: 1 Host CPU supported: X64 Host Operating System required: WINDOWS, LINUX CPU's allowed: 32 Maximum virtual memory: 65536M8 Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3600_512, VA Instances allowed: 5	Product Name: CHARON-AXP			
Major Version: 4 Minor Version: 7 Maximum Build: 99999 Minimum Build: 1 Host CPU supported: X64 Host Operating System required: WINDOWS, LINUX CPU's allowed: 32 Maximum virtual memory: 65536MB Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5	Product Code: CHAXP-470xx-WI-LI			
Minimum Build: 99999 Minimum Build: 1 Host CPU supported: X64 Host Operating System required: WINDOWS, LINUX CPU's allowed: 32 Maximum virtual memory: 65536MB Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5	Major Version: 4			
Minimum Build: 1 Host CPU supported: X64 Host Operating System required: WINDOWS, LINUX CPU's allowed: 32 Maximum virtual memory: 65536MB Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5	Minor Version: 7			
Virtual Hardware:     MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA       Virtual Hardware:     MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3600_512, VA	Minimum Build: 1			
Host Operating System required: WINDOWS, LINUX CPU's allowed: 32 Maximum virtual memory: 65536M8 Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3600_512, VA Instances allowed: 5	Host CPLLs poorted: Y64			
CPU's allowed: 32 Maximum virtual memory: 65536M8 Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3600_128, VAXserver_3600_128, VAXserver_3600_512, VA Instances allowed: 5	Host Operating System required: WINDOV	IN IN IN		
Maximum virtual memory: 65536MB Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3900, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5 <	CPU's allowed: 32	0, 00,000		
Product expiration date: 12-Jan-2017 00:55 Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3900, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5 <	Maximum virtual memory: 65536MB			
Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3900, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5	Product expiration date: 12-Jan-2017 00	55		
Virtual Hardware: MicroVAX_II, MicroVAX_3600, MicroVAX_3900, VAXserver_3600, VAXserver_3900, VAXserver_3600_128, VAXserver_3900_128, VAXserver_3600_512, VA Instances allowed: 5 <				
< > >	Virtual Hardware: MicroVAX_II, MicroVAX_ Instances allowed: 5	3600, MicroVAX_3900, VAXserver_3600, VA	Xserver_3900, VAXserver_3600_128, VAXserver_	3900_128, VAXserver_3600_512, VA
	<			, ×
CHARON License Details Refresh key list Copy License Details to Clipboard Exit	CHARON License Details	Refresh key list	Copy License Details to Clipboard	Exit

The buttons at the bottom of the window provide additional functions:

- Charon License Details (re-)queries the selected license key (the highlighted tab) and displays the contents.
- Refresh the key list. This is useful if a key has just been added or removed.
- Copy license details to clipboard, for example to paste into a support e-mail.
- Exit from the utility.

If there is more than one license, the data for each license is shown on a separate tab. The image below provides an example:

(	CHARON License Details		
	License keys: 760119089 527889790		
License Manager running at host: Host1 License Manager IP address: 127.0.0.1			