



Aimsun License Server Installation Manual
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About this Manual

This manual aims to describe how to install Aimsun network licenses.

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1 Guide Conventions

This guide makes use of the following conventions:

Aimsun Home Folder	The folder where Aimsun is to be installed
Aimsun or Aimsun.exe	The Aimsun application

2 System Requirements

The Aimsun License Server requires the following:

- A PC with an Intel Pentium processor or Pentium-compatible processor.
- Windows Server 2008 R2, Windows Server 2012; Windows Vista/7/8/8.1 (32- or 64-bit); Ubuntu 12.04 compatible distribution; Mac OS 10.7 64-bit (Lion) or 10.8 64-bit (Mountain Lion).
- 512 MB of RAM
- 150 MB of space on hard disk.
- TCP/IP Network protocol

Additionally, the computer that will use Aimsun (the client) requires access to the License Server using the TCP/IP port 1947.

3 Introduction

Aimsun uses the Sentinel HASP floating license server. This license server monitors the number of active Aimsun executions and can guarantee that the licenses in use at any time do not exceed the maximum number of permitted sessions. Aimsun may run on any computer in a network as long as the computer is able to contact the server and use a license.

It is possible to set any of the computers in the network as the license server, even if the computer is never going to use Aimsun itself. The PC should have a high availability.

Aimsun and Sentinel HASP can also be used on a computer outside the network. However, if this is the case then the licenses can only be used by that particular computer.

You can read more detailed information about Sentinel HASP at <http://www.aladdin.com>

3.1 How the license server works

When a user launches Aimsun, Aimsun requests a license from the license server. As long as there are available licenses, the application will acquire one, reducing the number of available licenses in the unit.

If, on the other hand, the license server cannot provide any more licenses - whether for a lack of available licenses or because the license server is disconnected - the program informs the user that the demand cannot be carried out and access to the application is denied.

When an Aimsun session ends, the license in use is automatically freed up and becomes available.

4 License Server Installation

Sentinel HASP includes, in a single installer, both the license server and the dongle driver (like any piece of hardware, a dongle requires a device driver for communication with the Operating System).

After installing the device drivers and plugging in the dongle, the license server is ready.

Warning: Never insert or remove the dongle with the computer on as it may damage both the dongle and the computer. Always turn off the computer first.

4.1 HASP Device Driver Installation

The required device drivers are located in the licenses\drivers folder inside the Aimsun Home folder. The drivers are usually automatically installed when installing Aimsun software, but if this is not the case then proceed manually as follows:

- Execute the setup.bat program located in the licenses\drivers\hasp folder.
- A message will inform you when the drivers have been installed.
- Restart your computer.

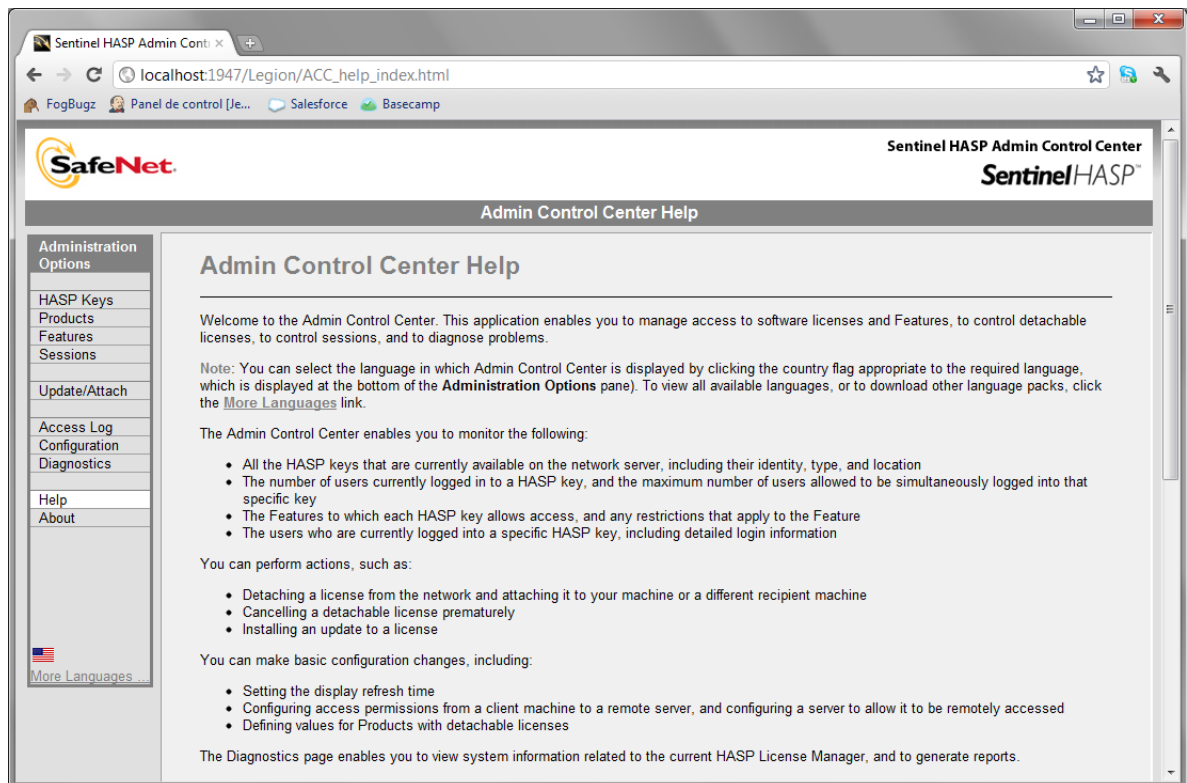
Note: If setup.bat fails or if there is no notification that the driver has been installed, install the driver from a Command Prompt as follows:

- Open a Command Prompt.
- Go to the licenses\drivers\hasp folder
- Type:
 haspdinst.exe -i

4.2 Checking the installation

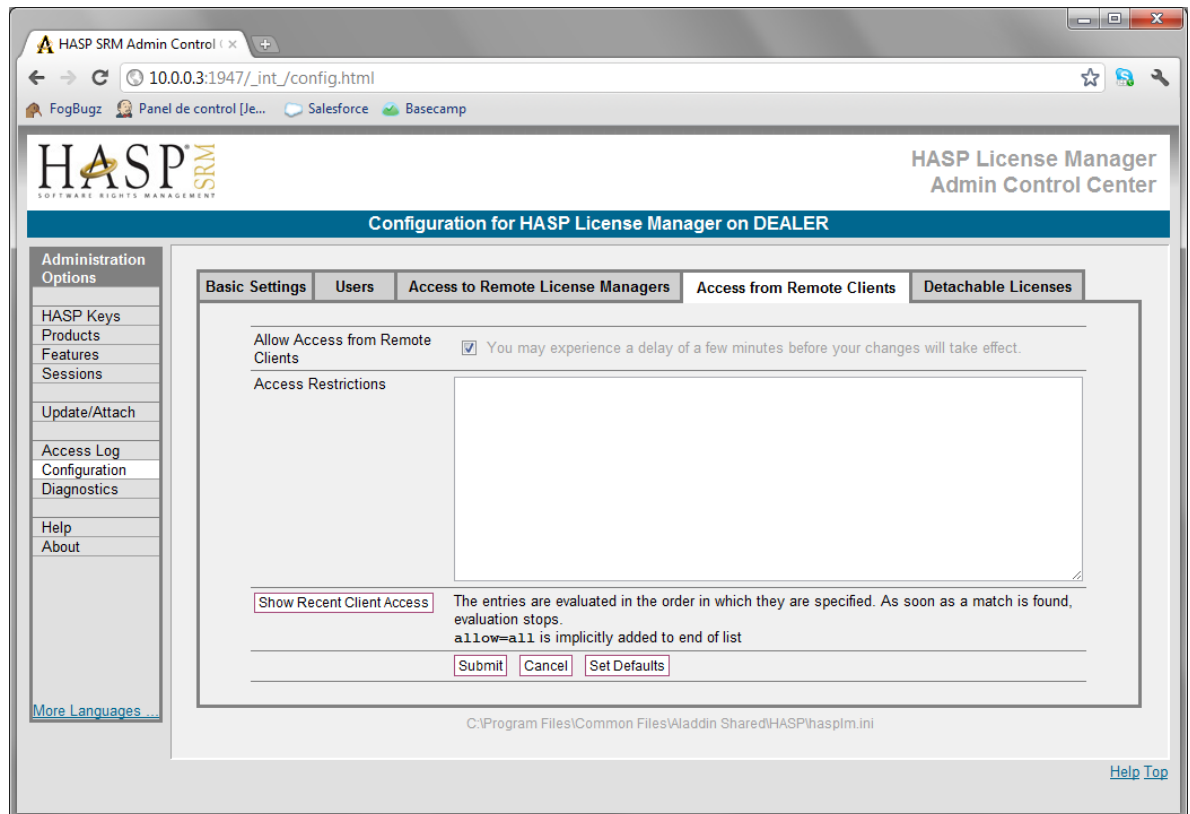
Type the address “http://localhost:1947” in an Internet Browser (such as Internet Explorer, Firefox, Safari etc.).

This web page informs users about the license status and the plugged in dongles and will offer you some configuration settings. If you received an error message (such as “Page not found”), try to install the device drivers again.



4.3 License Server Settings

Sentinel HASP software has pre-installed settings, which defined in the Configuration/Access from Remote Clients page. The allow Access from Remote Clients setting should be set to “On” and the Access Restrictions should be set to “Empty” to allow any client to connect and request a license.



5 Client Side Installation

Sentinel HASP software must also be installed in the computer where Aimsun will run. The Aimsun installer does this automatically. However, if it fails, carry out the installation manually (see 4.1).

Once Aimsun is installed, users can open the web page “http://localhost:1947/_int_/devices.html” to verify if the computer can locate the License Server. This page will list the dongle in the machine set as the License Server.

5.1 Client Settings

As in the case of the server settings, the client settings are suitable for most users. Check the Configuration/Access to Remote License Managers page and verify that the following settings are activated:

- Allow Access to Remote Licenses
- Broadcast Search for Remote Licenses

Administration Options	Basic Settings				Users		Access to Remote License Managers		Access from Remote Clients		Detachable Licenses	
	Allow Access to Remote Licenses <input checked="" type="checkbox"/> You may experience a delay of a few minutes before your changes will take effect.											
	Broadcast Search for Remote Licenses <input checked="" type="checkbox"/>											
	Aggressive Search for Remote Licenses <input type="checkbox"/>											
	Specify Search Parameters <input type="text"/>											
	Update/Attach											
	Access Log											
	Configuration											
	Diagnostics											

If these settings are not active, tick both options and click Submit.

Additionally, if the client and server computers are not in the same LAN subnet, tick the Aggressive Search for Remote Licenses and type the TCP/IP address of the License Server in the Specify Search Parameters text area. Once done, click Submit.

6 Having more than one license

When a user has more than one SRM license it is possible to choose which dongle to choose by doing the following:

1. A shortcut of Aimsun in the desktop must be created.
2. Edit the properties of this shortcut and in the field “target” define:

[Aimsun Directory]\Aimsun.exe -dongleid XXX

XXX being the dongle ID.

Example:

A user has a classroom license and a network professional license for 5 users. He would then have to do the above for every computer where Aimsun is installed and thus select which dongle to use for each one. If nothing of the sort is set and the computer recognizes the 2 dongles, Aimsun will randomly select one of them two.

7 Troubleshooting

If the client’s computer cannot detect the licenses in the server, it may be for the following reasons:

1. The drivers have not been installed in the server or the client computer. See point 4.1
2. The server TCP/IP address must be set manually in the client settings page because of the particular network settings. See point 5.1
3. The TCP/IP port 1947 at the server computer is blocked. Check the firewall settings.

8 TSS Support

Contact TSS:

- General Information: info@aimsun.com
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