ATOLL

Wireless Network Engineering Software

Quick Installation Instructions for LDK Hardware License Keys

This guide provides the basic guidelines for configuring a license server to use Atoll with Sentinel LDK hardware licenses.

Ensure that the computer that runs the license server complies with the following minimum requirements:

CPU	RAM	Operating System	Connectivity	Storage
Core i5/i7/i9/ Xeon (Haswell generation or later) 1 core or vCPU	2 GB	Windows 10 Windows Server 2012 R2 Windows Server 2016 Windows Server 2019	1 Gigabit Ethernet 10 Gigabit Ethernet	46 GB (System)

> ℹ️ If computers on your network are protected by a firewall, you must open port 1947 for TCP and port 475 for UDP on the license server.
>
> An up-to-date web browser is required. Microsoft Internet Explorer is not supported.

For more information about license management, see the technical note: *TN057 - License Management for Hardware License Keys*.

Step 1: Installing the License Server

To install the licensing software on the license server:

1. Log on to the license server with an administrator account.
2. Install the Sentinel HASP/LDK Run-time environment:
   a. Download and decompress the latest **Sentinel HASP/LDK Windows GUI Run-time Installer** from the following web site: https://supportportal.thalesgroup.com/csm?id=kb_search&query=LDK Windows GUI installer
   b. Right-click **HASPUserSetup.exe** and select **Run as Administrator**. Follow the instructions provided by the installer.
3. Install the HASP License Manager driver:
   a. Download and decompress the **HASP License Manager** from the following web site: https://downloads.forsk.com/Lic
   b. Right-click **lmsetup.exe** and select **Run as Administrator**. Follow the instructions provided by the installer.
   c. When asked "Do you want to install HASP License Manager as an application or as a service?", select **Service**.

   > ℹ️ If an error message is displayed with "akshasp.sys", then close the dialog box and continue.

4. Install the Atoll Security Module:
   a. Download and decompress the **Atoll Security Module** from the following web site: https://downloads.forsk.com/Lic
   b. Right-click **Lic.<version>.exe** and select **Run as Administrator**. Follow the instructions provided by the installer.
5. Once the software is successfully installed, plug in the USB license key dongle.

Step 2: Configuring the License Server

To create the configuration files for the license server:

1. Create a file named **hasp_62733.ini** in "%LOCALAPPDATA%\SafeNet Sentinel\Sentinel LDK" or in the Atoll Security module installation folder, with the following content:

```
errorlog = 1
requestlog = 1
broadcastsearch = 0
serveraddr = <ip_address_or_hostname>
```

2. Update **serveraddr** with the IP address or hostname of the license server and save the file.

3. Create a file named **nethasp.ini** in "C:\Windows" or in the Atoll Security module installation folder, with the following content:

```
[NH_COMMON]
NH_IPX = Disabled
NH_NETBIOS = Disabled
NH_TCPIP = Enabled
[NH_TCPIP]
NH_SERVER_ADDR = <ip_address_or_hostname>
NH_USE_BROADCAST = Disabled
;Do not remove this line
```

4. Update **NH_SERVER_ADDR** with the IP address or hostname of the license server and save the file.

Step 3: Updating License Keys

The Atoll Security Module enables administrators to update license keys by loading new key programming data from .ALIC files provided by Forsk. To update a license key, you must have the .ALIC file that was provided to you by Forsk.

To update a license key:

1. Close all Atoll sessions.

2. Go to the Atoll Security Module installation folder and run **Lic.exe**. The Atoll Security Module opens.

3. Under **Reference** (or **Number**), check that the key number is correct. If the proper key number is not displayed, check that the hardware dongle is properly inserted into the computer.

4. Under **Key programming**, click **Load**. The **Open** dialog box appears.

5. Select the .ALIC file provided by Forsk.

6. Click **Save**. The key is updated.

Step 4: Configuring the Atoll Client Computer

To configure each server or workstation that runs Atoll:

1. Install Atoll.

2. Copy the **hasp_62733.ini** file created in Step 2 into "%LOCALAPPDATA%\SafeNet Sentinel\Sentinel LDK" on the computer.