


### Quick Installation Instructions for HASP Hardware License Keys

This guide provides instructions to configure a license server to use Atoll with Sentinel HASP 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)


 If computers on your network are protected by a firewall, you must open port 475 for the UDP protocol.

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. 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](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.
2. Install the HASP License Manager drivers:
  - a. Download and decompress the **HASP License Manager** and the **Atoll Security Module** 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**.

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

- d. Right-click **Lic.<version>.exe** and select **Run as Administrator**. Follow the instructions provided by the installer.
3. 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 **nethasp.ini** in the "C:/Windows" folder of the license server 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
```

2. Update **NH\_SERVER\_ADDR** with the IP address or hostname of the license server and save the file.

## Step 3: Configuring the Atoll Client Computer

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To configure each server or workstation that runs Atoll:

1. Install Atoll.
2. Copy the **nethasp.ini** file created in Step 2 into the Atoll installation folder on the computer.

## Step 4: Updating License Keys

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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. Open the Atoll installation folder and run **Lic.exe**. The Atoll Security Module opens.
3. Under **Reference**, check that the key number is correct. If the proper key number is not displayed, check that the hardware dongle is properly connected to 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.