

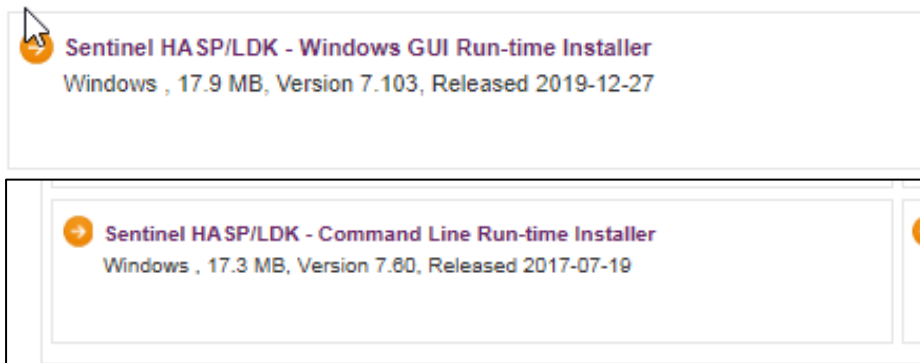
MicroDrainage L.A.N. & W.A.N. Installations

L.A.N. & W.A.N. installation consists of the installation of software in two different locations, firstly on the server where the dongle will be plugged in and then on the client machine (at which the users will access and use MicroDrainage):

ACTIONS:

On the Server (Full Admin Rights Required)

1. Make sure the server is running **Windows Server 2008 or later** (we don't support earlier)
2. **Plug in the dongle to the server and Install the latest device drivers:**
<http://sentinelcustomer.safenet-inc.com/sentineldownloads/?s=&c=End+User&p=Sentinel+HASP+HL&o=all&t=all>
3. Windows GUI installer should be attempted first, if you run into issues Command line installer can be used – contact support for guidance.



4. **Make sure the required licence manager service has started.** Windows button > Search > **Services.msc** > Services > check the following are listed as Running and Automatic: Sentinel LDK Licence Manager)
5. Worth checking dongle is visible under <http://localhost:1947>
(If not visible then could be dongle not connected, device drivers not installed correctly or Window Firewall exceptions need adding)
6. **Install MicroDrainage** (if required on Server Machine)

On the Client Machine (Full Admin Rights Required)

1. **Install MicroDrainage** on the client machines, N.B. This should also **install the latest device drivers.**
2. **Check the dongle is visible under** <http://localhost:1947> **if not then we may need to change the search settings to find the dongle.**
3. **Install MicroDrainage** on the client machines.

4. It may be necessary to add a nethasp.ini file and adjust the settings within <http://localhost:1947> to help find the licences correctly → **Error! Not a valid bookmark self-reference.**
5. **Start MicroDrainage**, if successful the software will start normally. If unsuccessful, an error message should be stated (e.g. H0007 or H2/31 etc.)

Accessing a remote licence through use of nethasp.ini file

This process helps to check that the client machines are being directly pointed to the licence server by having a file (nethasp.ini) which helps direct the client's machine to look at a particular machine on the network to find the required licence. First we need to see whether or not there is currently an existing nethasp.ini file, then we need to ensure this file is formatted correctly and the SACC configuration is correct.

a. Check whether the user currently has a nethasp.ini file on the client machine.

Common locations for this file include the MicroDrainage installation directory (i.e. **C:\Program Files\Innovyze\MicroDrainage 2018**) or in more general locations: **C:\Windows** or **C:\Window\System32**

If the user **does have a copy of the nethasp.ini file they will need to edit the file**. If they have **multiple files, these should either all be edited or removed** so only one 'edited' nethasp.ini file remains (preferably in C:\Windows) However, **it may be easier to just replace this with the template file which can be edited as per b.** in order to ensure all other settings in the file are correct.

If they **don't have a nethasp.ini file**, they can **use the blank template** available from Innovyze.

b. Editing the nethasp.ini file:

You will need to open the nethasp.ini in text editor, such as Notepad, and scroll down to the **[NH_TCPIP]** section. In this section you will find the following line:

NH_SERVER_ADDR = #####Enter the Server IP Address or Local Hostname#####

Please edit this line so that it contains either the **IP address** or the **Local Hostname** of the **Server running the License Manager** or the **Domain name of the server**. For example:

NH_SERVER_ADDR = ###.###.#.##

or

NH_SERVER_ADDR = SERVER1

or

NH_SERVER_ADDR = SERVER1.innovyze.com

The file then needs to be **saved and copied to the C:\Windows** directory on the **client machine(s) having problems** establishing a connection to the License Manager. This should then allow the machine to find the license manager when the users runs the software.

c. Localhost configuration:

- i. Open a Web Browser (Internet Explorer/Firefox/Chrome)
- ii. Type <http://localhost:1947> in the address bar
- iii. Go to **Options** on the left hand side and select **Configuration**
- iv. Select the **Access to Remote Licence Managers** tab along the top
- v. The **options should be as follows:**
 1. Allow Access to Remote Licences - tick **ON**
 2. Broadcast Search for Remote Licences - tick **OFF**
 3. Aggressive Search for Remote Licences - tick **ON**
 4. Specify Search Parameters - **Enter server host name**
- vi. **Click Submit** and **close** the web browser
- vii. Same server host name should be in the nethap.ini file.
- viii. **Attempt to use the software.**



Options

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Configuration for Sentinel License Manager on MANHOLE-077

Basic Settings	Users	Access to Remote License Managers	Access from Remote Clients	Detachable Licenses	Network
Allow Access to Remote Licenses	<input checked="" type="checkbox"/>	You may experience a delay of a few minutes before your changes take effect.			
Broadcast Search for Remote Licenses	<input type="checkbox"/>				
Aggressive Search for Remote Licenses	<input checked="" type="checkbox"/>				
Remote License Search Parameters	<input type="text" value="DRAIN6"/> <input type="text" value="DRAINTHREE"/>				
<input type="button" value="Submit"/> <input type="button" value="Cancel"/> <input type="button" value="Set Defaults"/>					