



Activation Guide

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1 Activation Guide. Introduction.

On page:
<ul style="list-style-type: none">• General information• Purpose of the document

1.1 General information

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1.2 Purpose of the document

The [Axxon One software system Activation Manual](#) provides the information necessary for licensing the *Axxon One* software system.

The chapters titled [Activation Guide. Introduction](#) and [Overview on licensing the Axxon One software system](#) are intended as general guidance on the *Axxon One* licensing process.

The chapter [Activating Axxon One Free](#) contains instructions for activating your *Axxon One* Free license.

The chapter [Activating Axxon One](#) contains instructions for activating your paid license of *Axxon One*.

The chapter [Upgrading Axxon One](#) contains instructions for upgrading your paid license of *Axxon One*.

A description of additional actions that may be carried out with the license utility is provided in the [Additional license utility actions](#).

[Generating license files via the licensing web server](#) chapter provides instructions on generating license files.

2 Overview on licensing the Axxon One software system

2.1 Types of licenses

There are 5 types of *Axxon One* license: **Axxon One Demo**, **Axxon One Free**, **Axxon One Professional**, **Axxon One Enterprise** and **Axxon One Unified**. Upon installation, the software will be launched in *Axxon One Demo* mode.

You should activate *Axxon One VMS* to utilize the full feature set of the security software package. You can activate the software by distributing an activation key on the system.

As for validity of the license, there are two types:

- Unlimited
- 1 year subscription

Data on all the types of *Axxon One* licenses is presented below.

Functionality	Type of license	Axxon One Demo (8:00-18:00)*	Axxon One Free	Axxon One Start	Axxon One Professional	Axxon One Enterprise	Axxon One Unified
Maximum number of Servers in Axxon domain		Unlimited	1	1	30	30	Unlimited
Maximum number of channels in Axxon domain		Unlimited	4	64	Unlimited	Unlimited	Unlimited
Free Software Updates		No	No	Yes	Yes	Yes	Yes
Real time analytics (Object Tracker)		Yes	Yes	Yes	Yes	Yes	Yes
Support for SD cards (edge storage, playback only)		Yes	No	Yes	Yes	Yes	Yes
Macros (event response wizard)		Yes	No	Yes	Yes	Yes	Yes
AxxonNet Reports		Yes	No	Yes	Yes	Yes	Yes
Situation analysis detection tools (excluding line crossing)		Yes	No**	No	Yes	Yes	Yes
Line crossing		No	No	No	Yes	Yes	Yes
Scene synopsis (TimeCompressor)		No	No	No	Yes (country restriction)	Yes (country restriction)	Yes (country restriction)

Cross-System Client	No	No	No	Yes	Yes	Yes
AI Features and Retail License Pack						
Advanced archive search: <ul style="list-style-type: none"> • MomentQuest smart forensic search • Face search**** • LPR search*** 	Yes	No	No	Optional	Yes	Yes
Tag&Track multicamera object tracking	Yes	No	No	Optional	Yes	Yes
Retail Analytics: <ul style="list-style-type: none"> • Visitors counter • Queue detection • Heat map 	Yes	No	No	Optional	Yes	Yes
AI Human/Vehicle detection	Yes	No	No	Optional	Yes	Yes
Face Mask Detection****	Yes	No	No	Optional	Yes	Yes
Neural Tracker	Yes	No	No	Optional	Yes	Yes
Smoke and fire detection	Yes	No	No	Optional	Yes	Yes
Neural Counter	Yes	No	No	Optional	Optional	Optional
Human Behavior Analytics						
Pose detection includes: <ul style="list-style-type: none"> • Man down • Raised arms • Crouched man • Social distancing 	Yes	No	No	Optional	Optional	Optional
Personal Protective Equipment Detection						
Personal protective equipment detection includes: <ul style="list-style-type: none"> • Helmets • Hi-viz vests • Protective Clothing 	Yes	No	No	Optional	Optional	Optional
Add-On Modules						
Integration With Access Control System	Yes	No	No	Up to 50 readers	Up to 100 readers	Optional
Integration With Fire and Security Alarms System	Yes	No	No	Optional	Optional	Optional
Integration Perimeter Intrusion Detection System	Yes	No	No	Optional	Optional	Optional

Events from external systems (POS terminals, ACFA)	Yes	No	O p t i o n a l	Optional	Optional	Optional
Custom AI Analytics	No	No	N o	Optional	Optional	Optional
Water level detection	Yes	No	N o	Optional	Optional	Optional
Offline analytics. Smart search in imported video.*****	No	No	N o	Optional	Optional	Yes
Multicamera Tracking. Tracking follows objects across multiple camera FOVs based on appearance similarity.*****	Yes	No	N o	Optional	Optional	Yes
Similarity Search*****	Yes	No	N o	No	Optional	Yes
Datacenter Domain Unification/Private Cloud	Yes	No	N o	No	No	Yes
IV Automatic Number Plate Recognition	No	No	N o	Optional	Optional	Optional
Real-time facial recognition	Yes	No	N o	Optional	Optional	Optional
FaceCube external face recognition module	No	No	N o	Optional	Optional	Optional
Real-time vehicle license plate recognition***	Yes	No	N o	Optional	Optional	Optional
Searching for LPR/ANPR numbers on video from multiple cameras***	Yes	No	N o	Optional	Yes	Yes
Data replication	No	No	N o	No	Yes	Yes
Failover	No	No	N o	No	Yes	Yes
Video walls management	Yes	No	N o	No	Yes	Yes
LDAP authentication supported	Yes	No	N o	No	Yes	Yes
System features available for all licenses						
Hardware Control panels Security keyboards Joysticks I/O modules	Unlimited	Unlimited	U n l i m i t e d	Unlimited	Unlimited	Unlimited
AxxonNet cloud service	Yes	Yes	Y e s	Yes	Yes	Yes

Server ONVIF Profiles G, S, T H.265 support Edge analytics (metadata from IP devices) Configuration backup and restore Mass configuration of cameras Multicasting Hotkeys	Yes	Yes	Y e s	Yes	Yes	Yes
Recorded Video / Investigation Local and network archives Events search Time slice search (search by time intervals) Video bookmarking (searchable text comments)	Yes	Yes	Y e s	Yes	Yes	Yes
Live Monitoring Basic audio and video analytics Embedded detection tools (except for Axis on-board tracker*****) Interactive 3D map GreenStream adaptive bandwidth management Tag& Track Lite OnScreen PTZ mode Support for fisheye cameras and ImmerVision lenses Export of snapshots and video episodes to multiple formats Information boards	Yes	Yes	Y e s	Yes	Yes	Yes
Remote clients Web client interface iOS app (including Apple TV) Android app	Yes	Yes	Y e s	Yes	Yes	Yes

Information about the type of license you are using is displayed in the server properties in the **Product Type** field.

* The system will operate in demo mode from 8:00 AM to 6:00 PM.

** *Axxon One* Free license allows you to further use metadata from core VMD with any Scene Analytics detection tool except line crossing and abandoned objects tools.

*** Please contact us for more information on our licensing policy for LPR/ANPR supported countries.

**** To use it will be needed to request an additional free license.

***** To use License plate recognition (VT), it is necessary to re-activate the updated license of the ANPR (see [Licensing of the software module for License plate recognition \(VT\)](#)).

***** The module has to be purchased separately.

Note
 You (**admins** users) get a reminder to renew license 30 days before it expires.

Disclaimer

AxxonSoft reserves the right to make changes to the specification and cost of software licenses without notice and without any obligation to make the same changes to the licenses already sold. Orders are processed in accordance with the price list valid at the time of placing the order. If a placed order contains incorrect prices or license specifications, regardless of the cause of such errors. AxxonSoft reserves the right to reject or cancel the order, even if it has already been processed.

2.2 Licensing methods for Axxon One

There are two licensing methods for *Axxon One*:

1. License file only.

The license file contains data on basic hardware configuration (motherboard, processor, hard disk, video adapter, RAM, and network card) of all Servers. If you change any 2 of the basic hardware components, your license will be invalid. For example, this is the case when you change both CPU and motherboard. However, changing a graphics card or upgrading RAM will not affect the license.

This is why when working with *Axxon One* you should bear in mind the following:

- a. The activation request should be sent from the computer that will host the *Axxon One* Server.
- b. You can upgrade your license only if you retain the initial basic hardware configuration of all the Servers.
- c. It is not possible to transfer a license from one computer to another.

2. License file + Guardant dongle.

This method allows replacing server hardware and transferring the license to another computer. To activate *Axxon One* via this method, contact AxxonSoft to receive a license file and Guardant dongle.

If you already have a Guardant dongle, you can perform activation yourself. To do so, connect the Guardant dongle to the computer that you wish to activate and perform the standard activation steps.

Attention!

You may use a Guardant Sign key with Linux.

Note

If you install virtualization products such as VirtualBox, VMware etc., this may affect the license. Should you encounter this problem, you are advised to uninstall all virtualization products or apply for a new license file.

2.3 Axxon One Activation utility

You can activate the *Axxon One* license using the Activation utility.

The Activation utility is launched from the Windows **Start** menu: **Start** → **Programs** → **Axxon One** → **Utilities** → **Activation utility**.

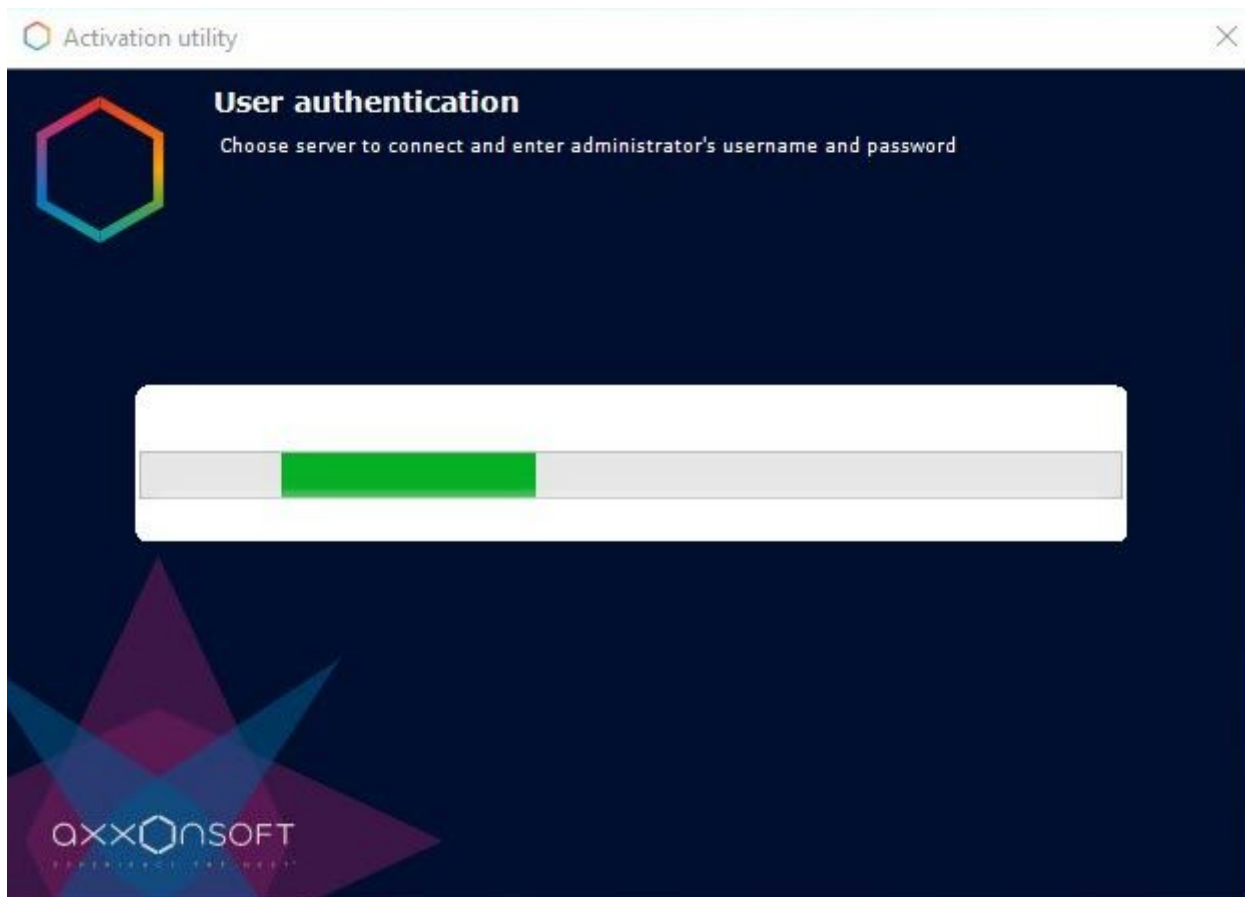
Note

The Activation utility executable file LicenseTool.exe is located in the following directory: <*Axxon One* installation directory>\AxxonSoft\Axxon Smart\bin\.

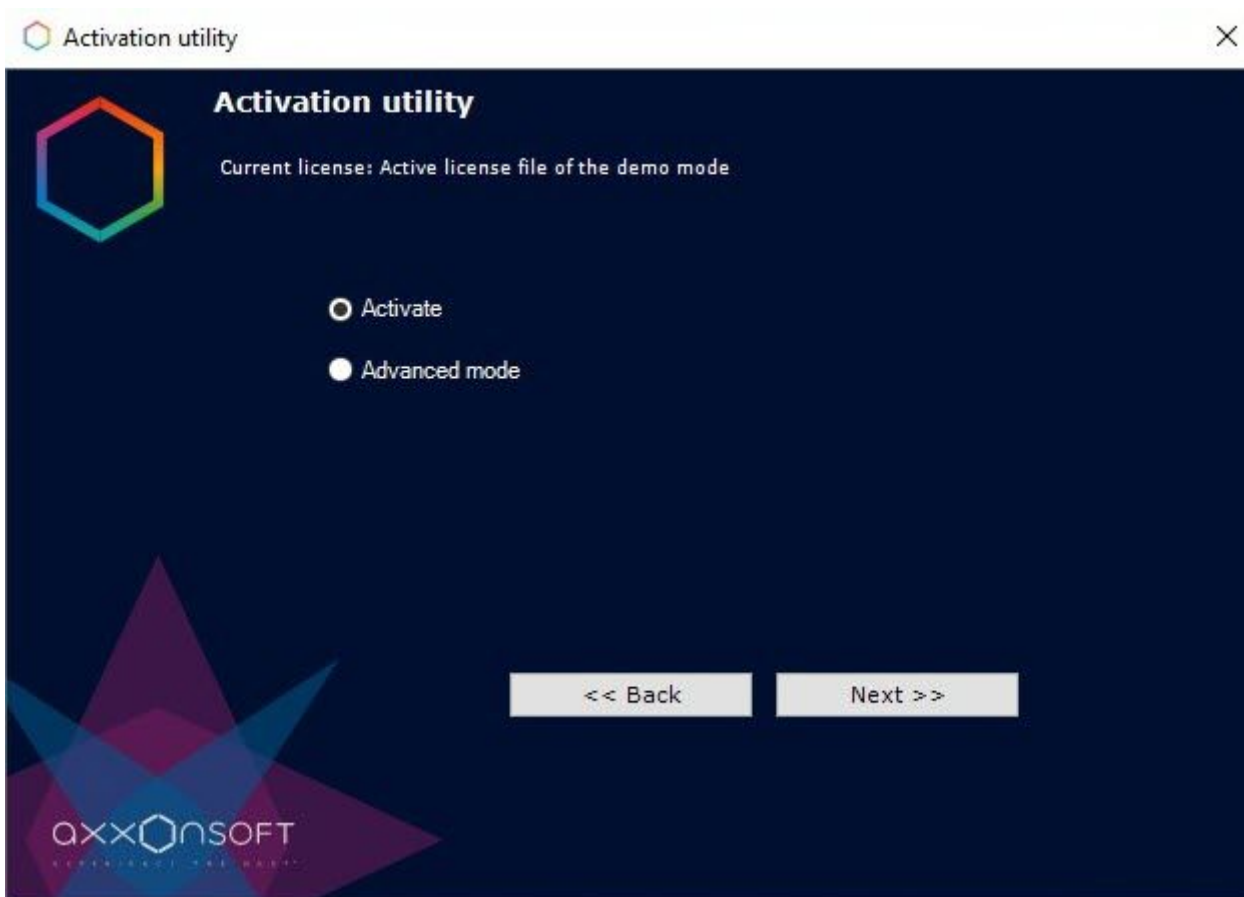
Next, select the name of one of the Axxon domain servers, which will provide the license file (this file is distributed to all servers running at the time of activation of this Axxon domain), and login to the system using the *Axxon One* administrator name and password, to continue the activation process.



The download page will be displayed.



After the download is complete the main window of license utility will be displayed.



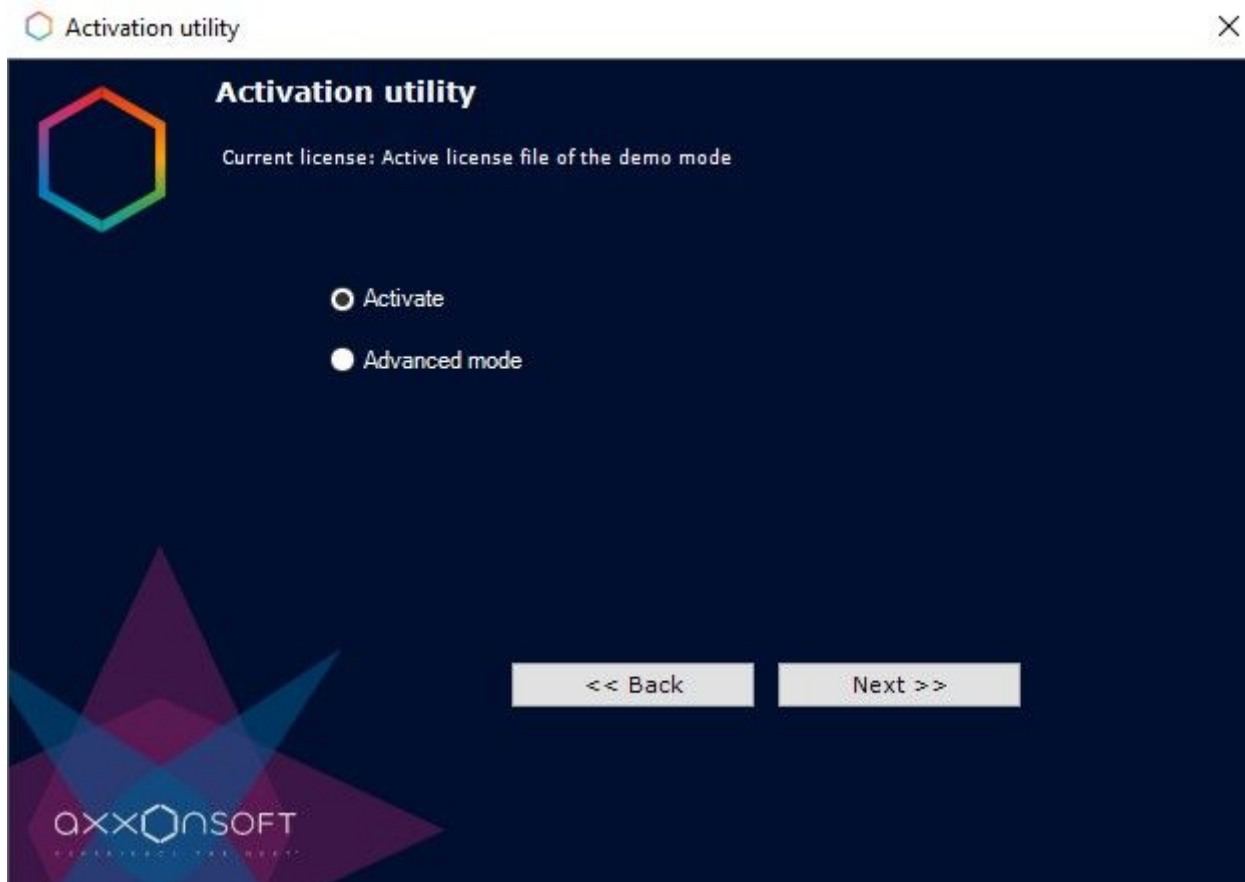
Note

To activate *Axxon One*, connect to a Server in the Axxon domain. Otherwise, an error message appears.

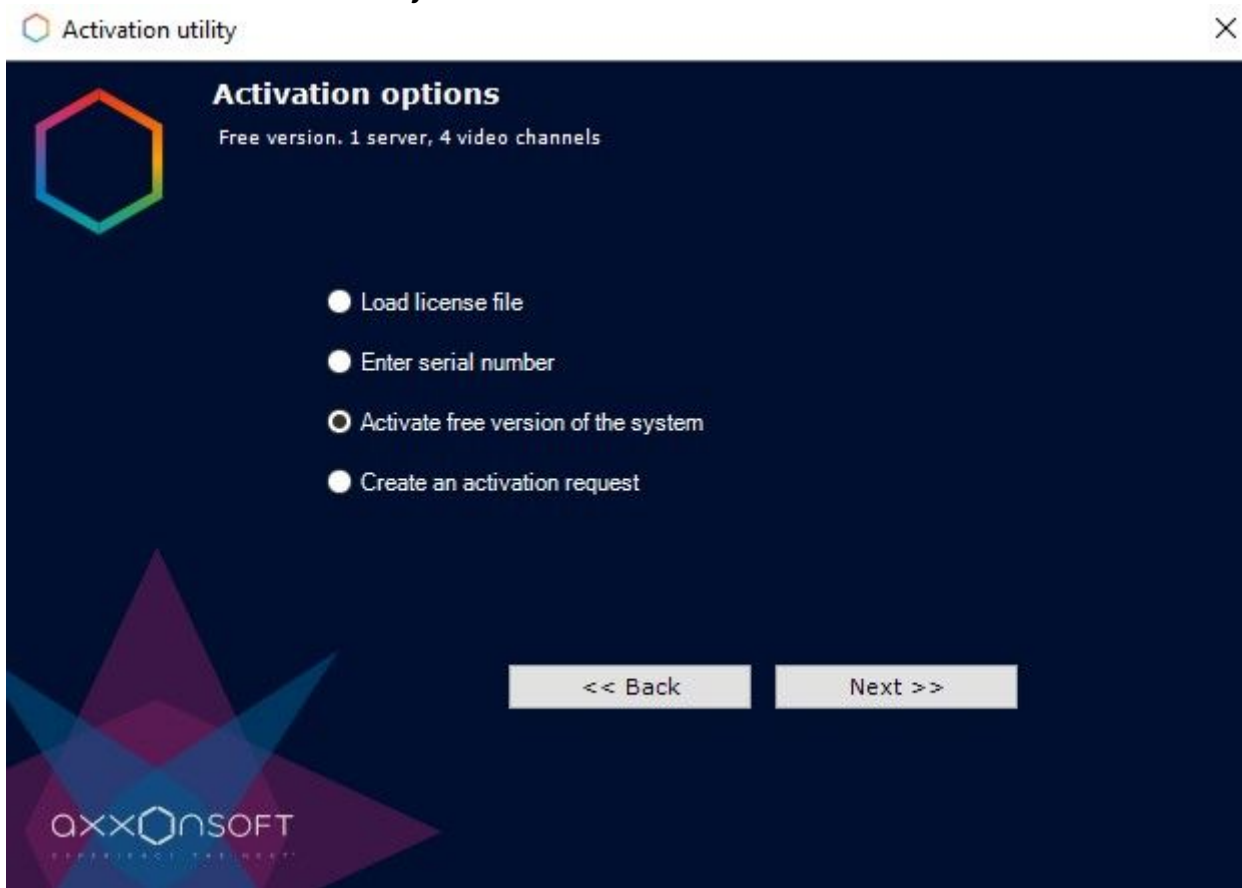
3 Activating Axxon One Free

To activate *Axxon One Free*, do as follows:

1. On the main page of the activation utility, select **Activate** and click **Next**.



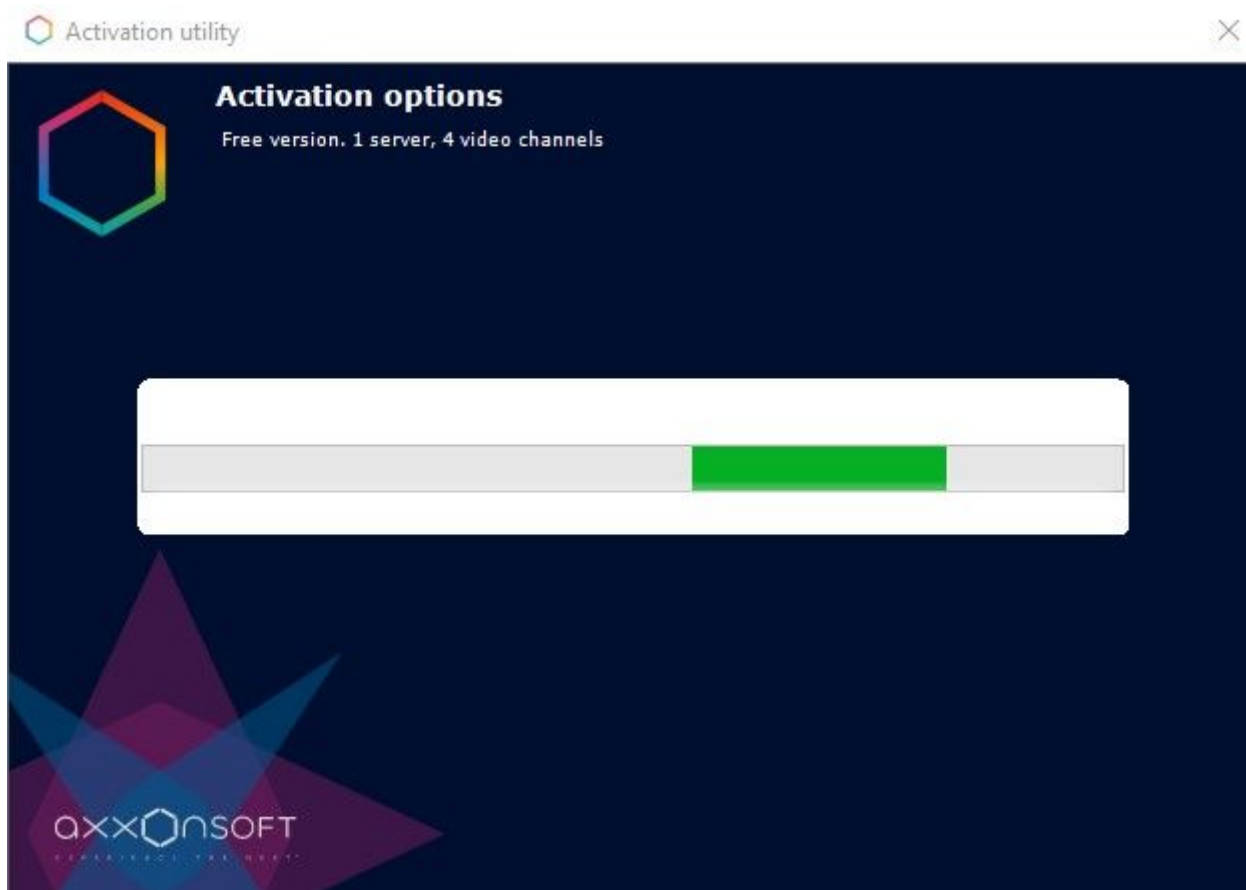
2. Select **Activate free version of the system** and click **Next**.



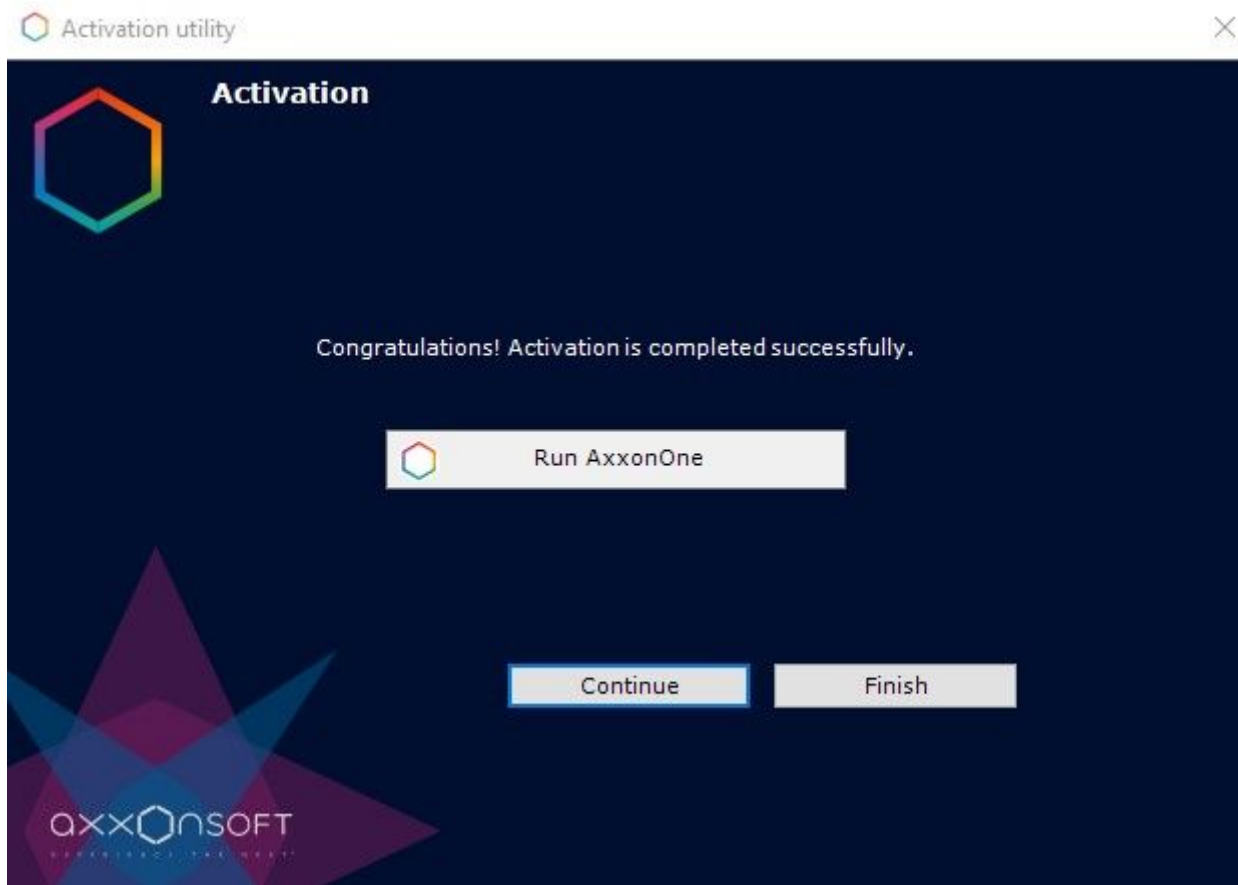
Attention!

You cannot activate VMS, if you have over 4 cameras set up in the system.

Your activation request will be sent online.



If activation is completed successfully on the licensing server (<https://sale.axxonsoft.com/>), the license file will be automatically downloaded and distributed within the system.

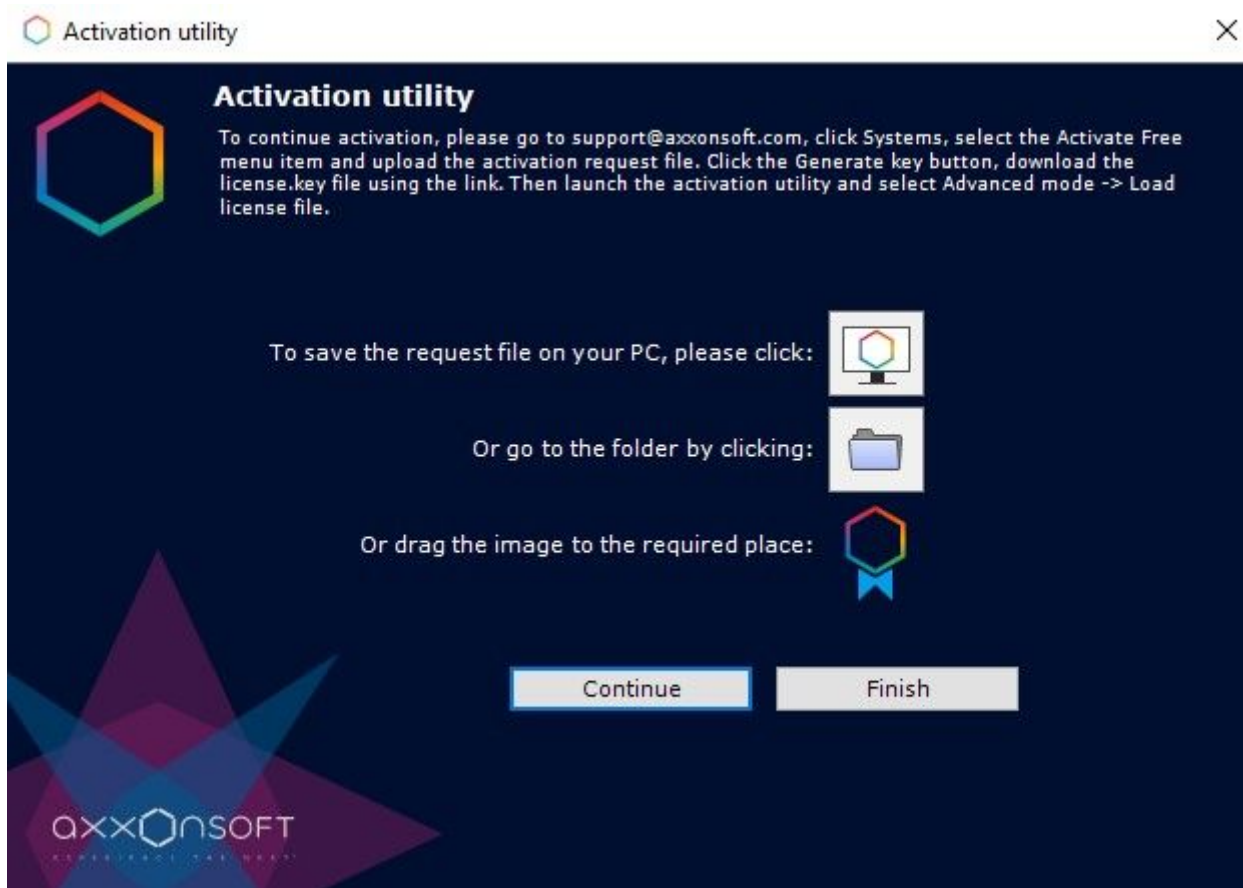



You have completed your *Axxon One* Free activation.


Note

Click **Continue** to return to the Activation utility home page. To exit, click **Finish**. To close the utility and start the *Axxon One* Client, click **Run Axxon One**.

If your computer is offline, you will be prompted to save the activation request file using any of the following methods:



1. Click the  button in the standard Windows dialog box to browse for file location and enter the name.

2. Click the  button. The folder that contains the request file opens.

3. Drag and drop the  image to the destination folder.

Submit the request file to an AxxonSoft rep. You can also generate an activation key on your own through the licensing server's Web interface (see [Generating the Axxon One Free license file](#)) and download the license file to the system (see [Activation by applying license file](#)).

Attention!

The *Axxon One* Server must be restarted after activation.

4 Activating Axxon One

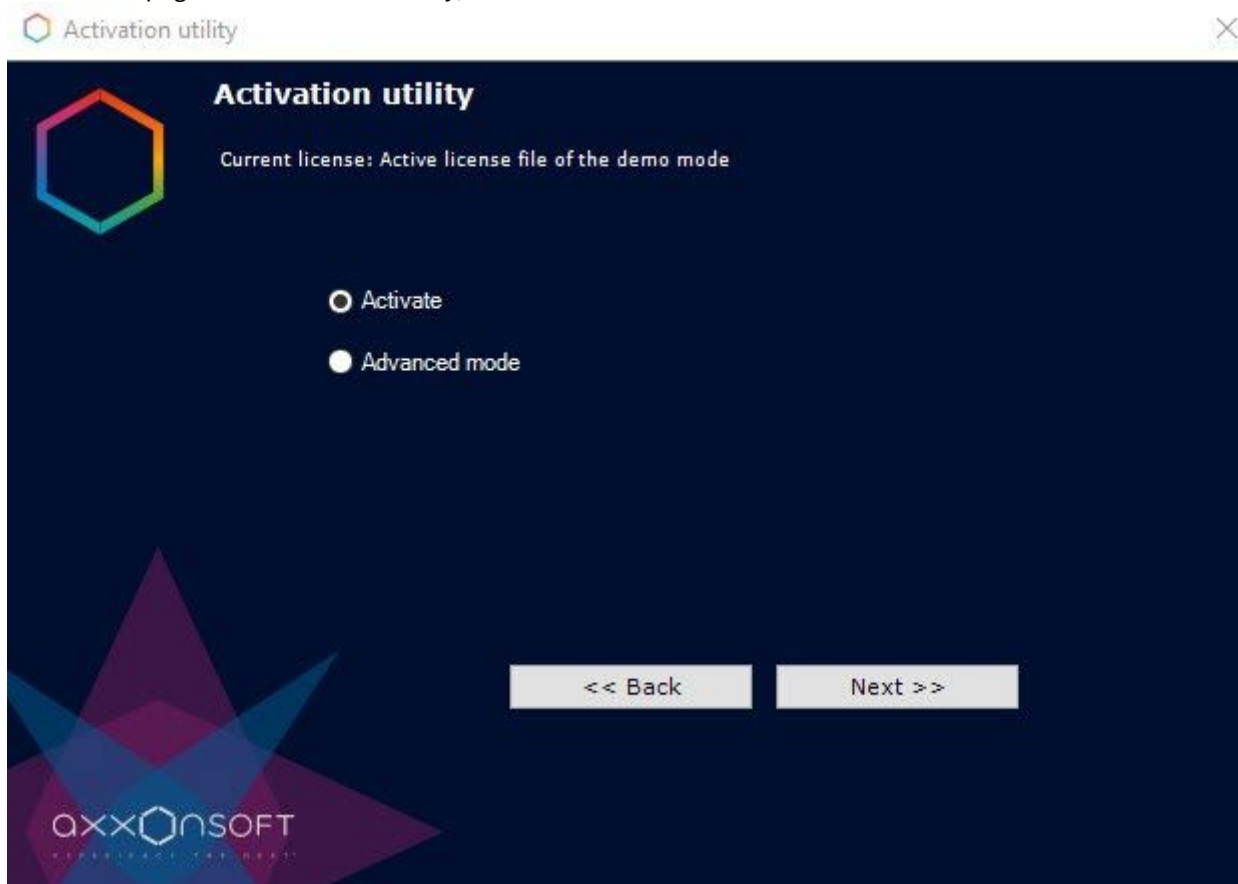
To activate your *Axxon One*, do as follows:

1. Create an activation request file. Submit it to an AxxonSoft rep.
2. Payment and delivery of the license file or serial number.
3. License activation.

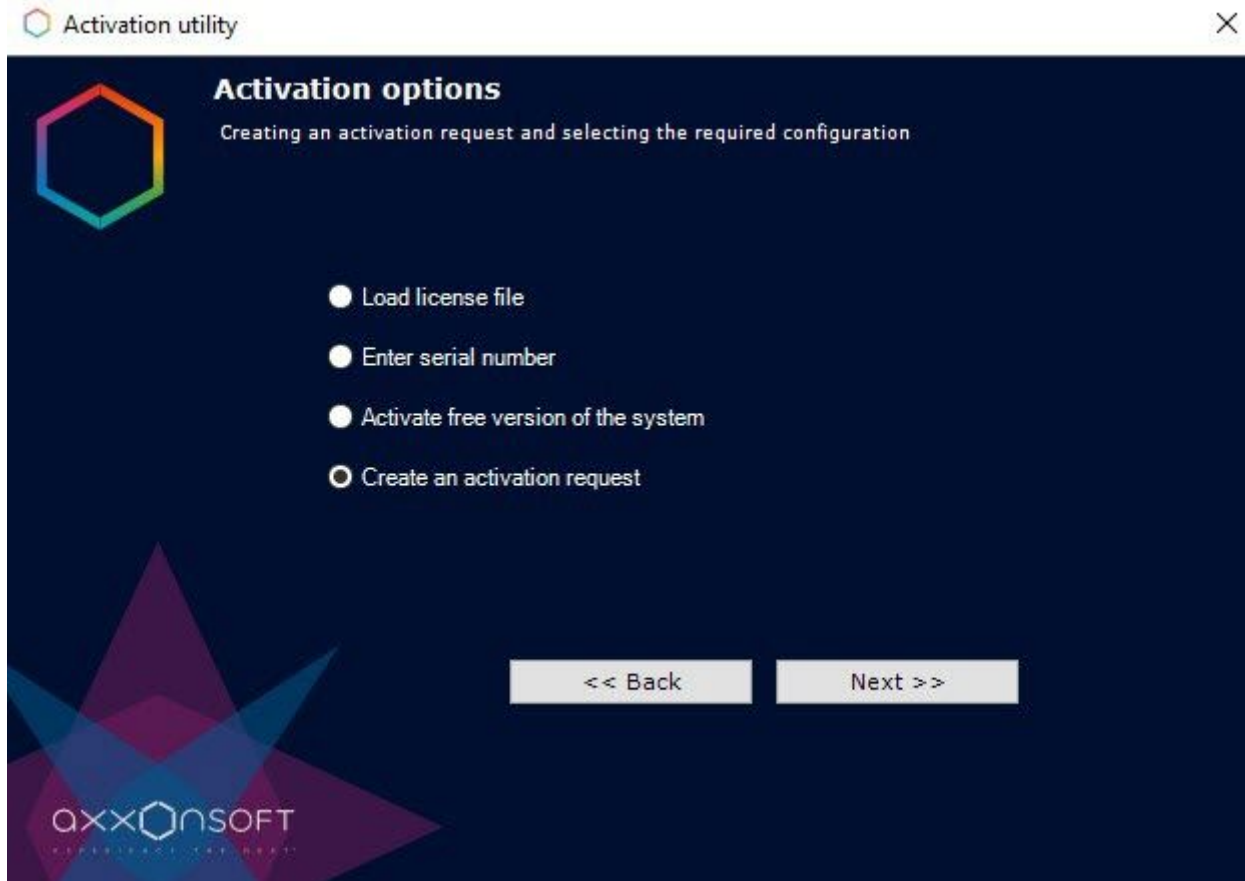
4.1 Creating an activation request

To create an activation request, do as follows:

1. In demo mode, you can add servers to your Axxon domain, if you want to create a distributed system.
2. On the main page of the activation utility, select **Activate** and click the **Next** button.



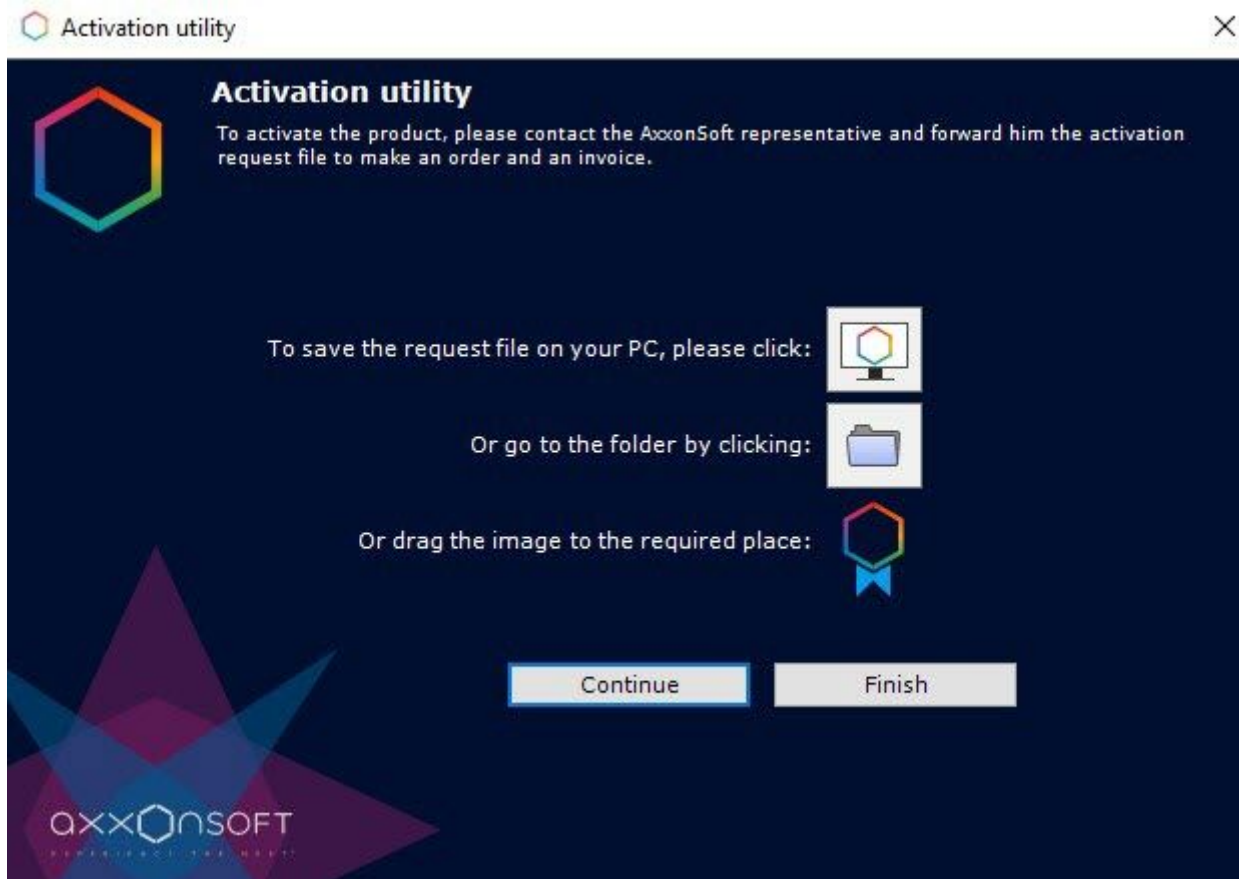
3. Select the **Create an activation request** and click the **Next** button.






Note

When you create a request file, all servers in the Axxon domain must be online. If the server on which you are creating the request file, cannot connect to any selected server, the request file cannot be created.

4. Save the activation request file using any one of the following methods:



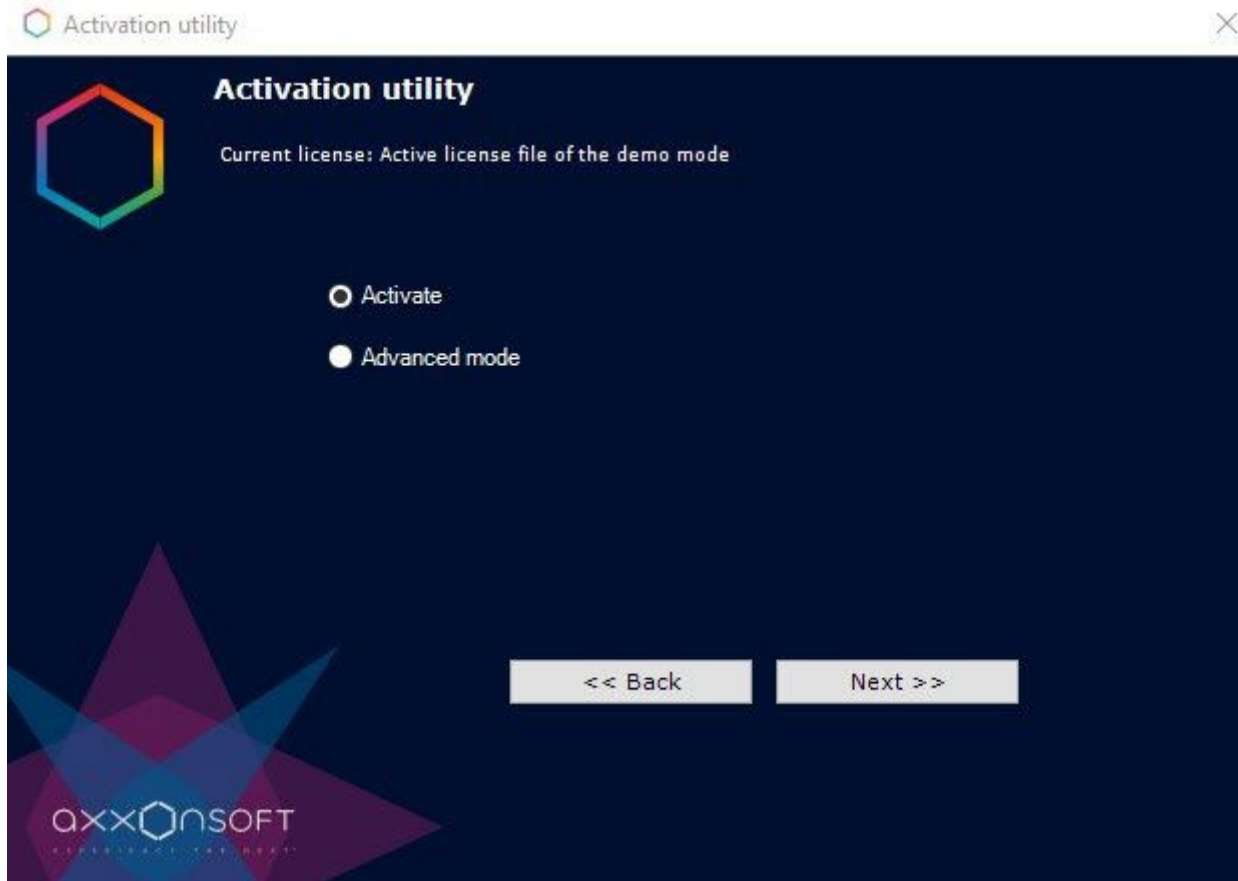
- a. Click the  button in the standard Windows dialog box to browse for file location and enter the name.
- b. Click the  button. The folder that contains the request file opens.
- c. Drag and drop the  image to the destination folder.

You have created an activation request file. To return to the home page of the activation utility, click **Continue**, to exit it – click **Finish**.

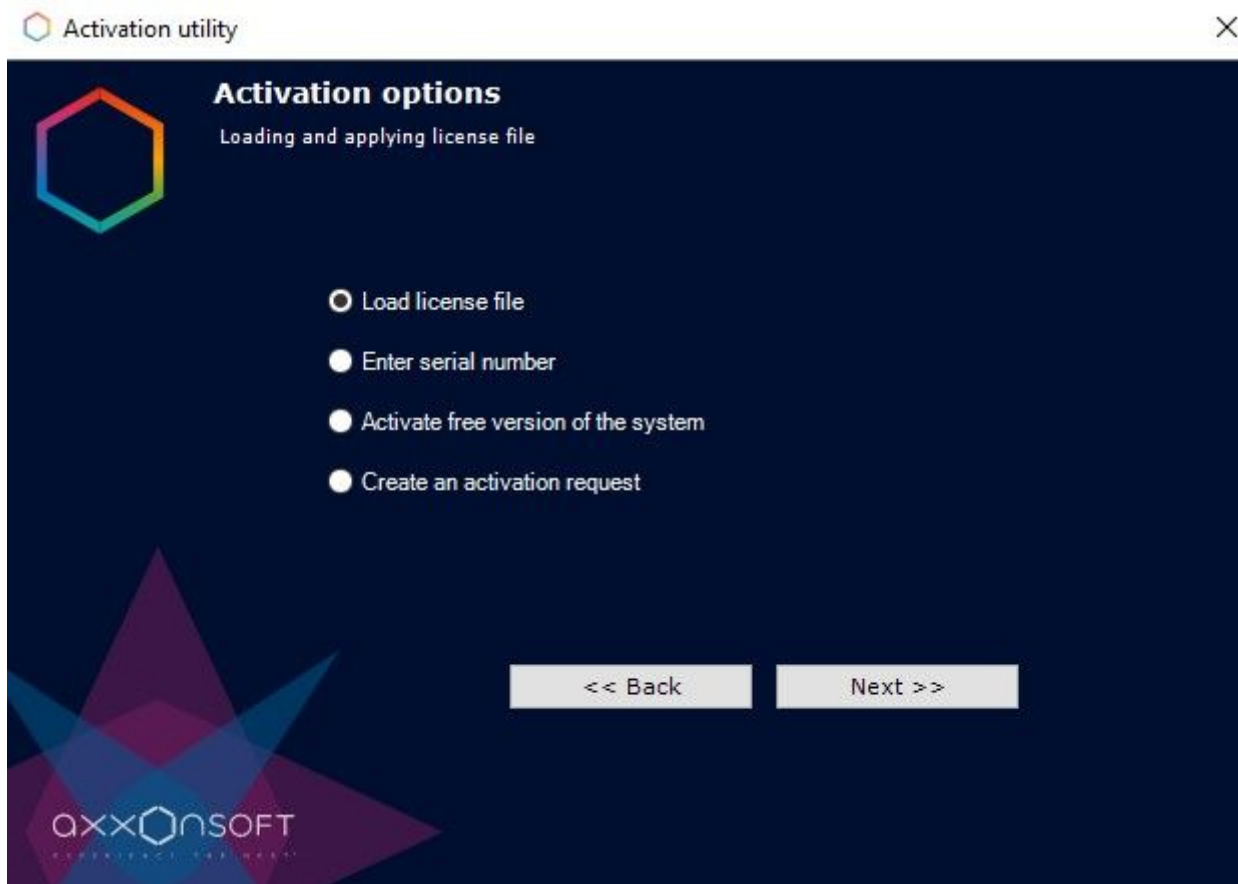
4.2 Activation by applying license file

You can apply your *Axxon One* license file as follows:

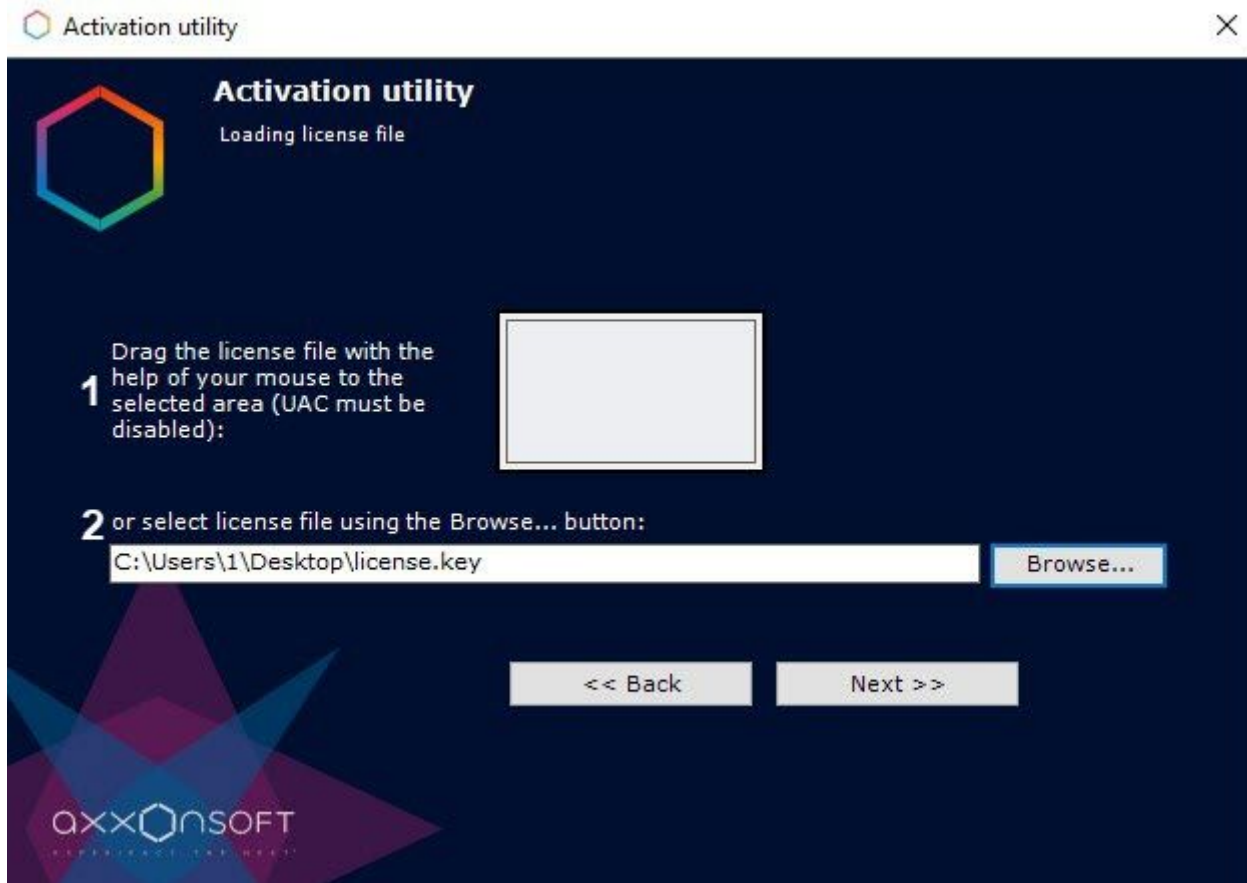
1. On the main page of the activation utility, select **Activate** and click **Next**.



2. Select **Load license file** and click **Next**.



3. Load the license file using one of the following methods:



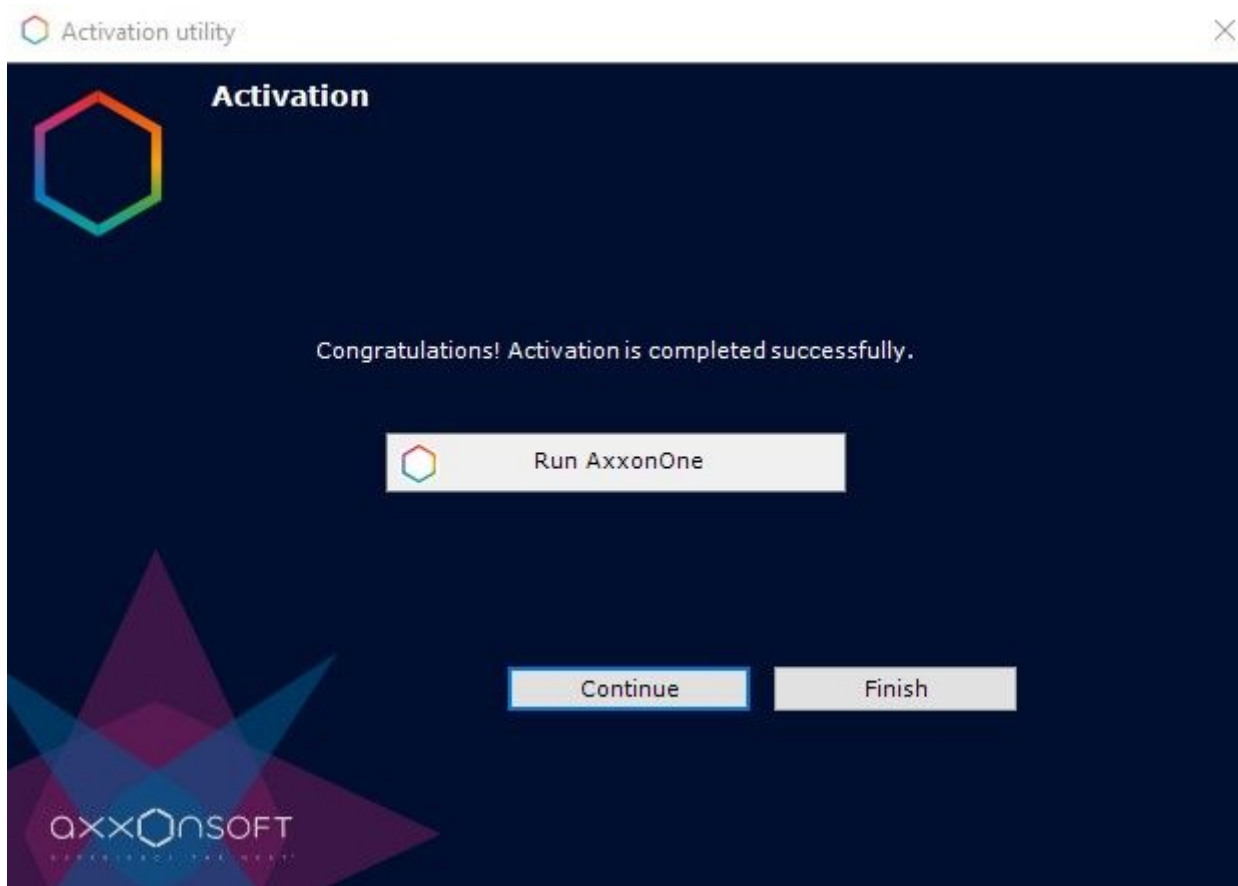
- a. drag and drop the license file to the selected area (1),
 - b. click the **Browse...** button and select a license file (2).
4. Click the **Next** button.

This will load the license file.

Attention!

The license file defines configuration of the system (the maximum number of servers, video channels and detection tools).

If completed successfully, a message is displayed.



You have activated *Axxon One*.

Attention!

The *Axxon One* Server must be restarted after activation.

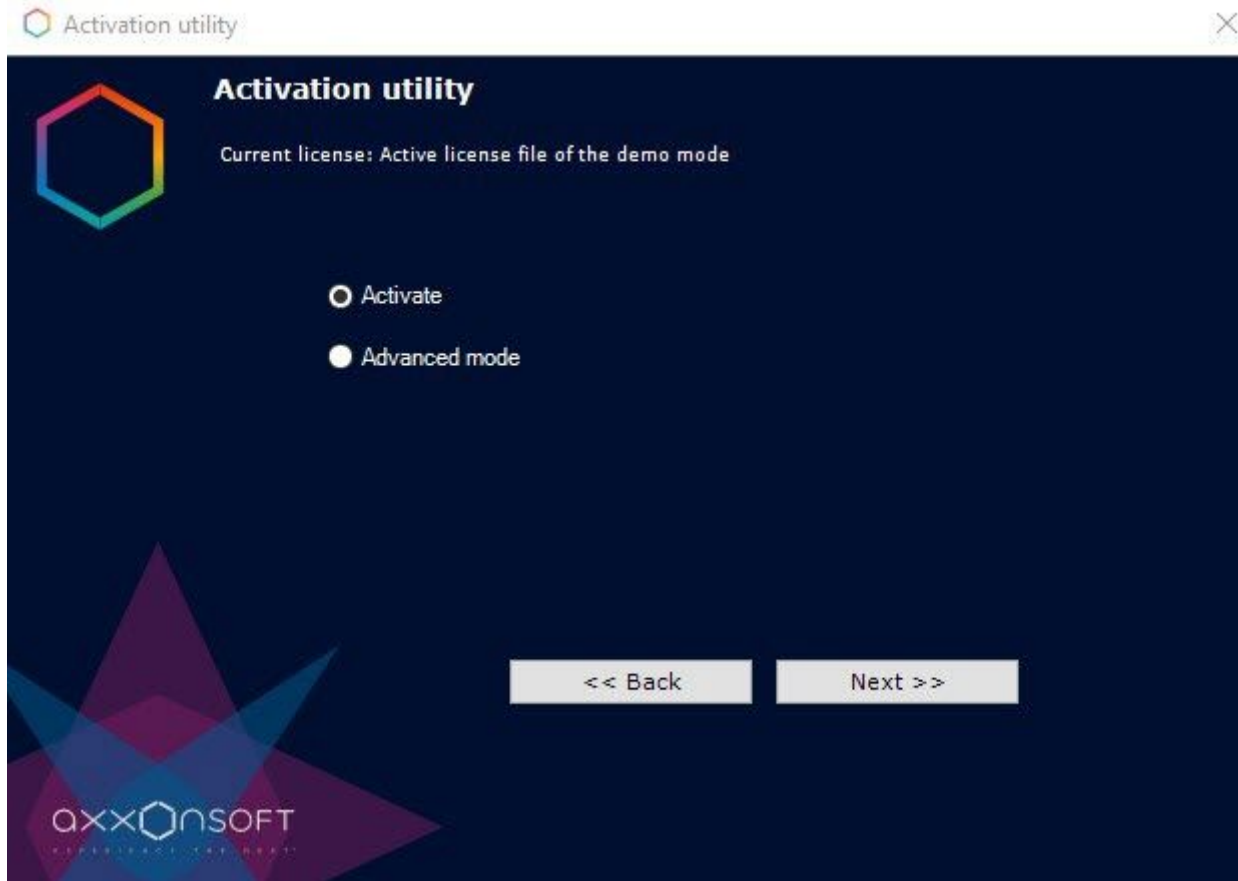
Note

Click **Continue** to return to the Activation utility home page. To exit, click **Finish**. To close the utility and start the *Axxon One* Client, click **Run Axxon One**.

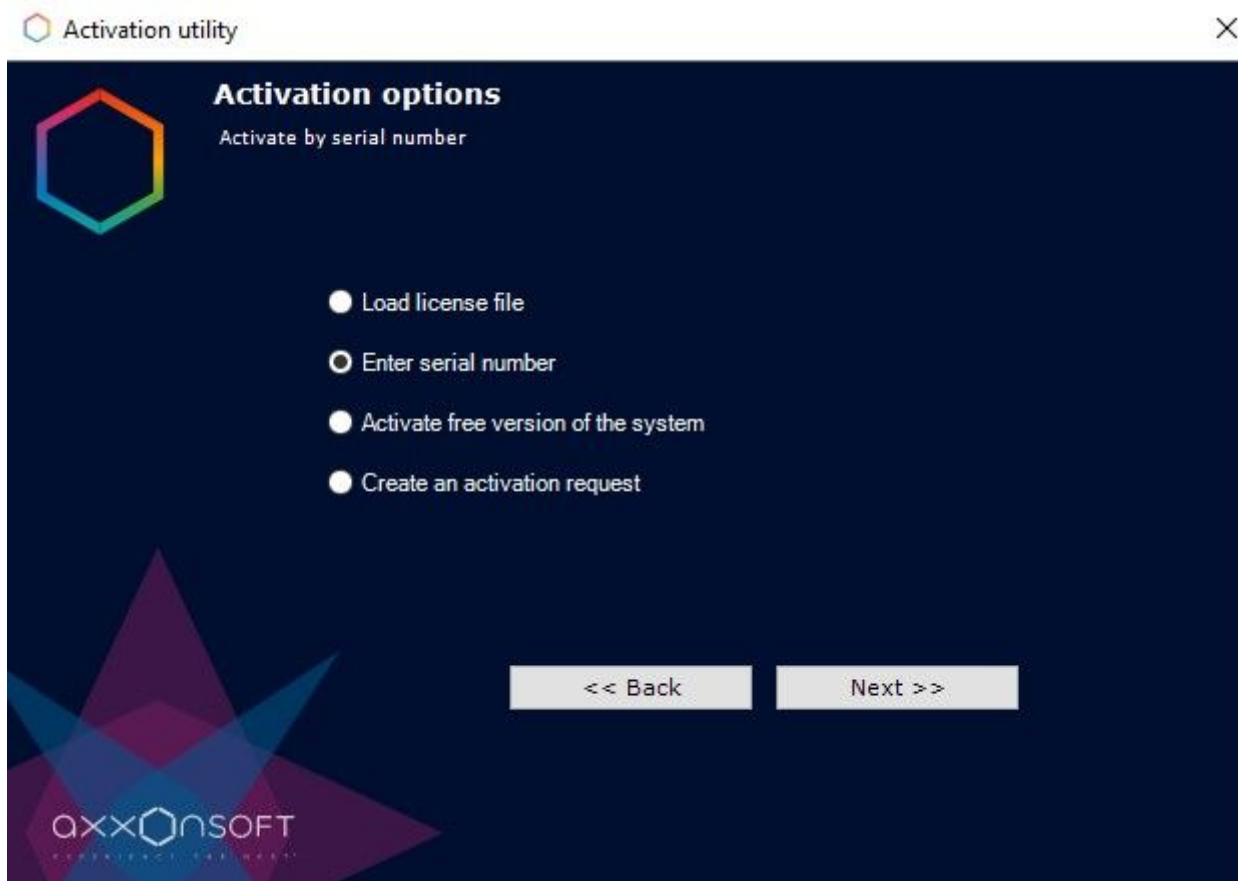
4.3 Activation with serial number

If you have a serial number, you can activate *Axxon One* follows:

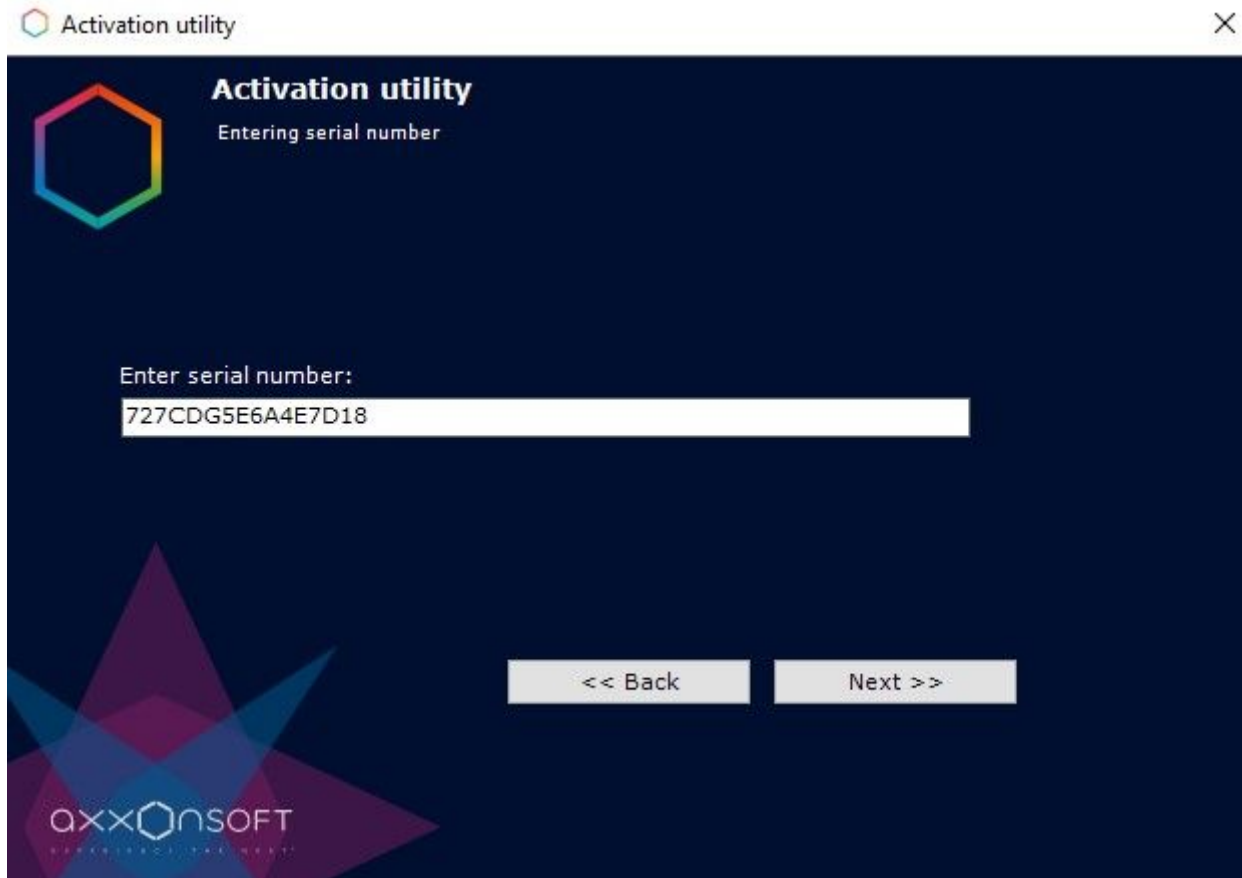
1. On the main page of the activation utility, select **Activate** and click **Next**.



2. Select **Enter serial number** and click **Next**.



3. Enter serial number and click **Next**.



4. If there is more than one Server in the Axxon domain or in the license file, a window will open, that shows the maximum number of modules for activation. By default, the modules will be divided equally between the Servers.

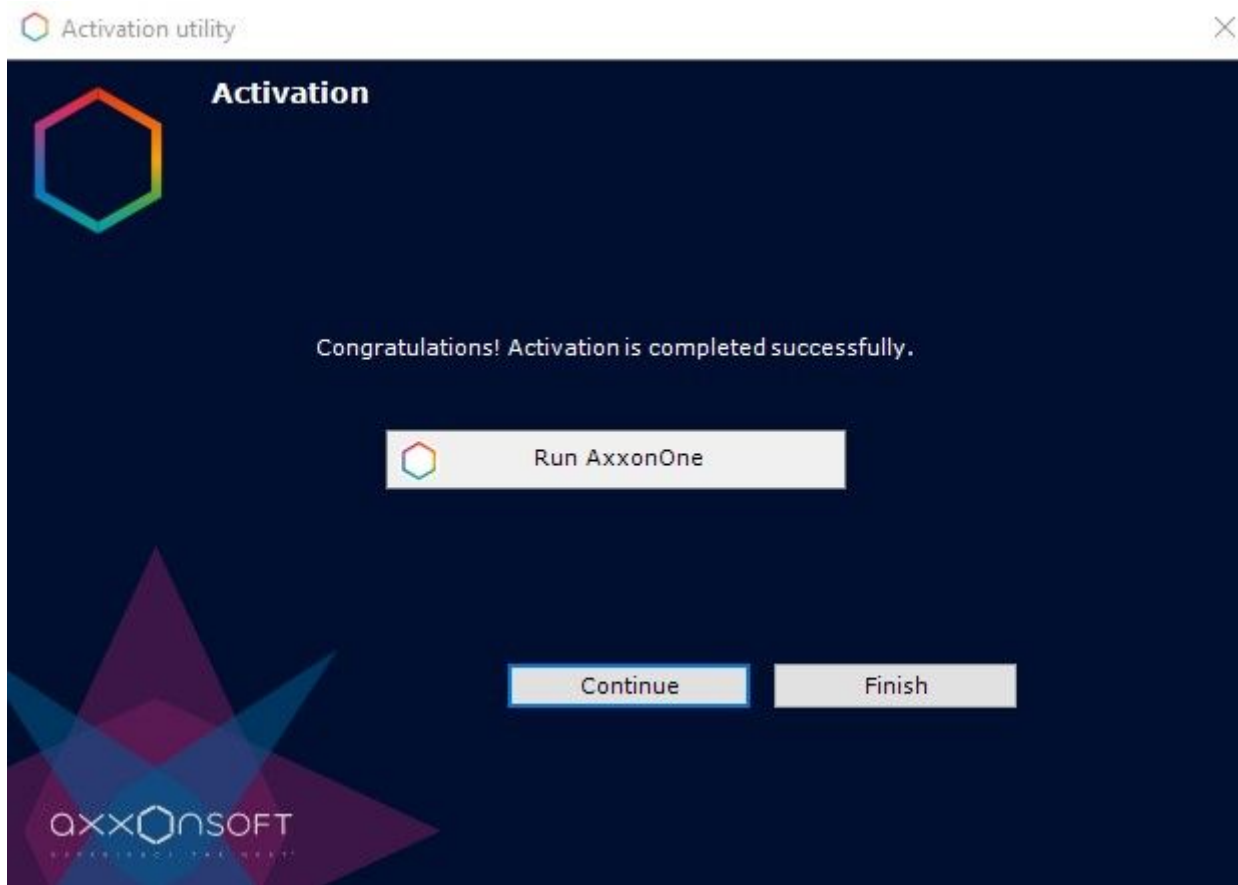
Note

If there are multiple Servers in the configuration, the modules will be equally distributed among them.

5. Select the number of modules to activate and click **Next**.

Your activation request will be sent online.

If activation is completed successfully on the licensing Server (<https://sale.axxonsoft.com/>), the license file will be automatically downloaded and distributed within the system.

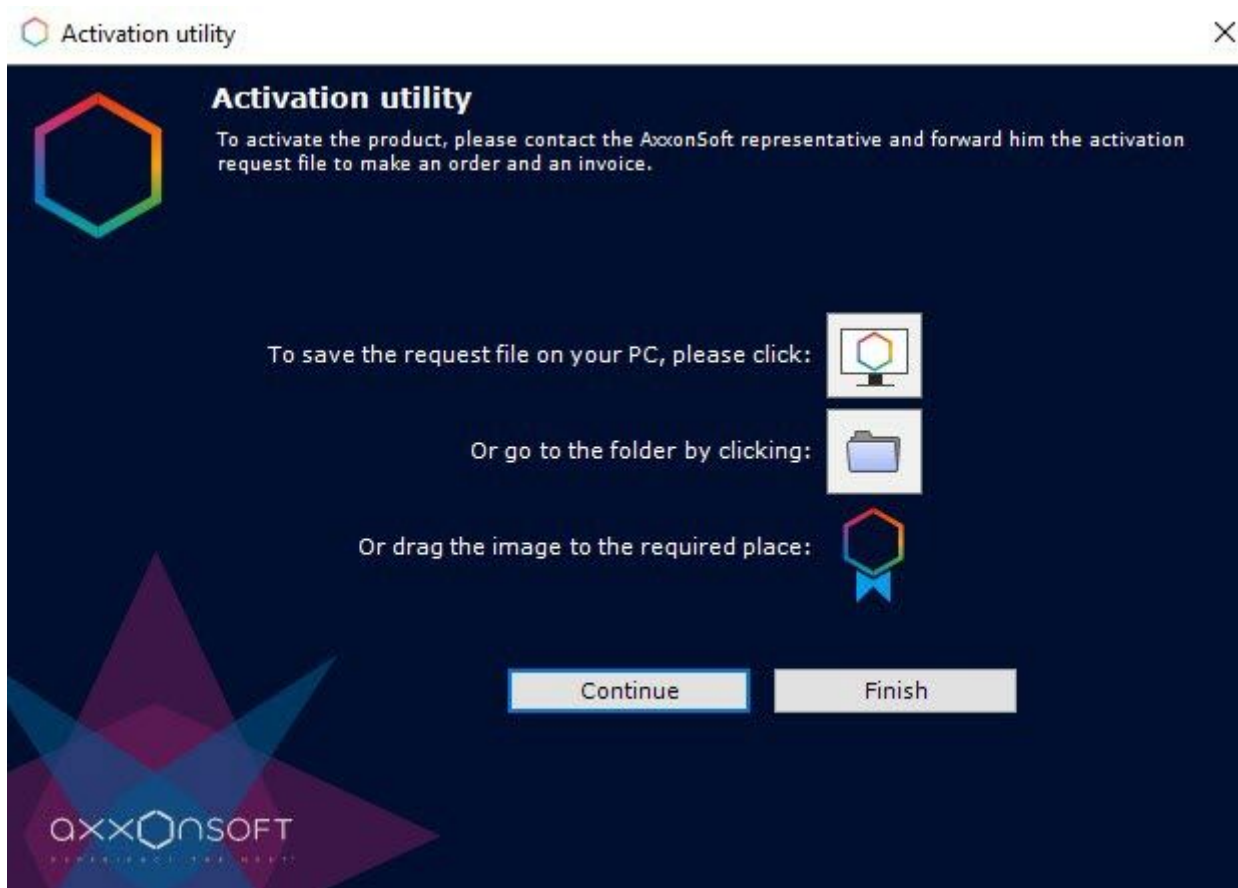





You have activated *Axxon One*.

Note

Click **Continue** to return to the Activation utility home page. To exit, click **Finish**. To close the utility and start the *Axxon One* Client, click **Run Axxon One**.

If your computer is offline, you will be prompted to save the activation request file using any of the following methods:



1. Click the  button in the standard Windows dialog box to browse for file location and enter the name.
2. Click the  button. The folder that contains the request file opens.
3. Drag and drop the  image to the destination folder.

Submit the request file to an AxxonSoft rep. You can also generate an activation key on your own through the licensing server's Web interface (see [Generating the Axxon One license file](#)) and download the license file to the system (see [Activation by applying license file](#)).

Attention!

The *Axxon One* Server must be restarted after activation.

5 Upgrading Axxon One

To upgrade *Axxon One*, do as follows:

1. Deactivate your license (see [Deactivating a license](#)).
2. Generate an activation request (see [Creating an activation request](#)). Proceed with payment.
3. Activate your purchased license (see [Activation by applying license file](#), [Activation with serial number](#)).

Note

Skip the second step, if you activate a license for purchased configuration.

6 Transferring a license to another computer while maintaining configuration

You can transfer an *Axxon One* license to another computer while maintaining your existing configuration only if your license file and Guardant dongle are tied to each other and the network name of the new computer is the same as on the old one.

To transfer a license:

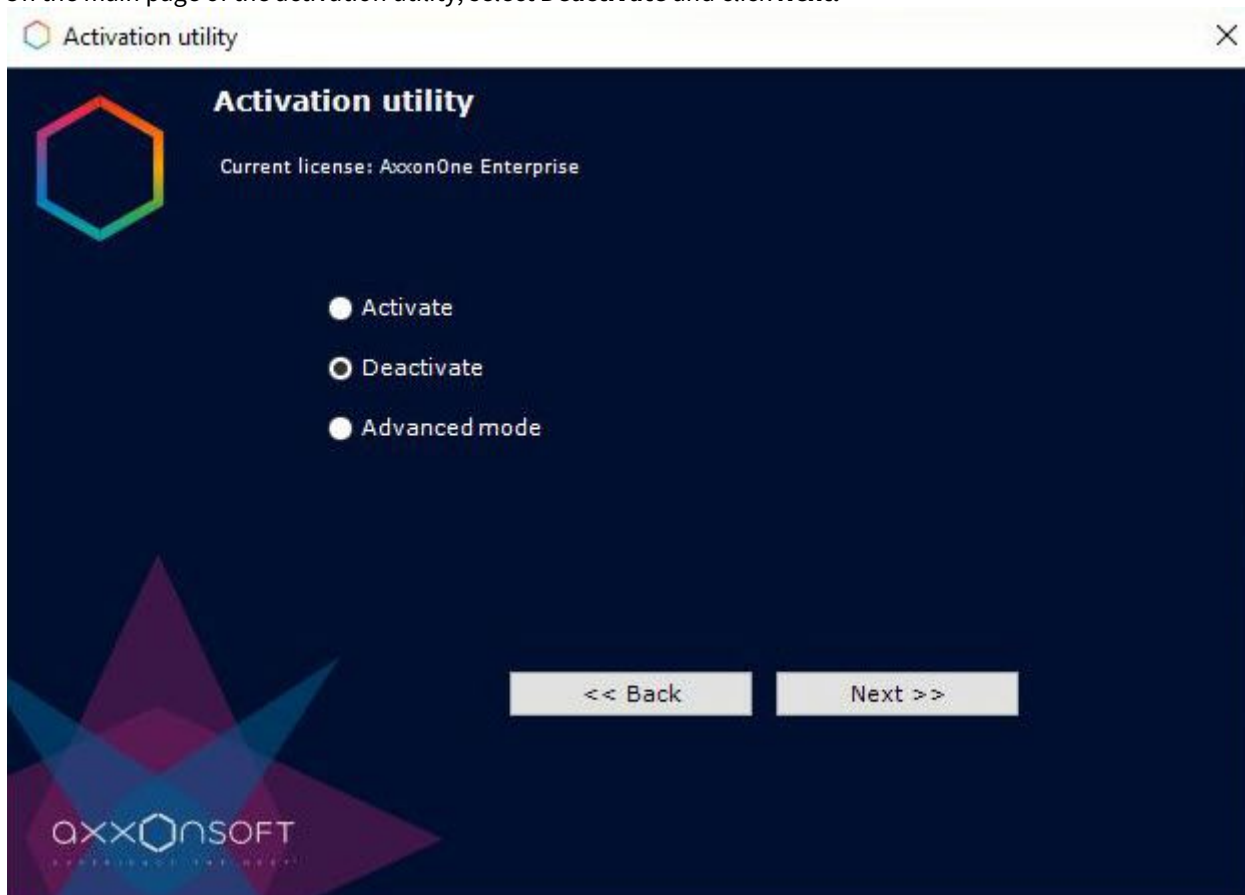
1. Save the license file (see [Saving the license file](#)).
2. Uninstall *Axxon One*, but save the configuration, on the old computer (see [Removal](#)).
3. Copy the configuration folder to a new computer (C:\ProgramData\AxxonSoft\AxxonOne by default).
4. Install *Axxon One* on the new computer.
5. Apply the license file (see [Activation by applying license file](#)) and insert the Guardant dongle.

Transfer of the *Axxon One* license while maintaining the previous configuration is now complete.

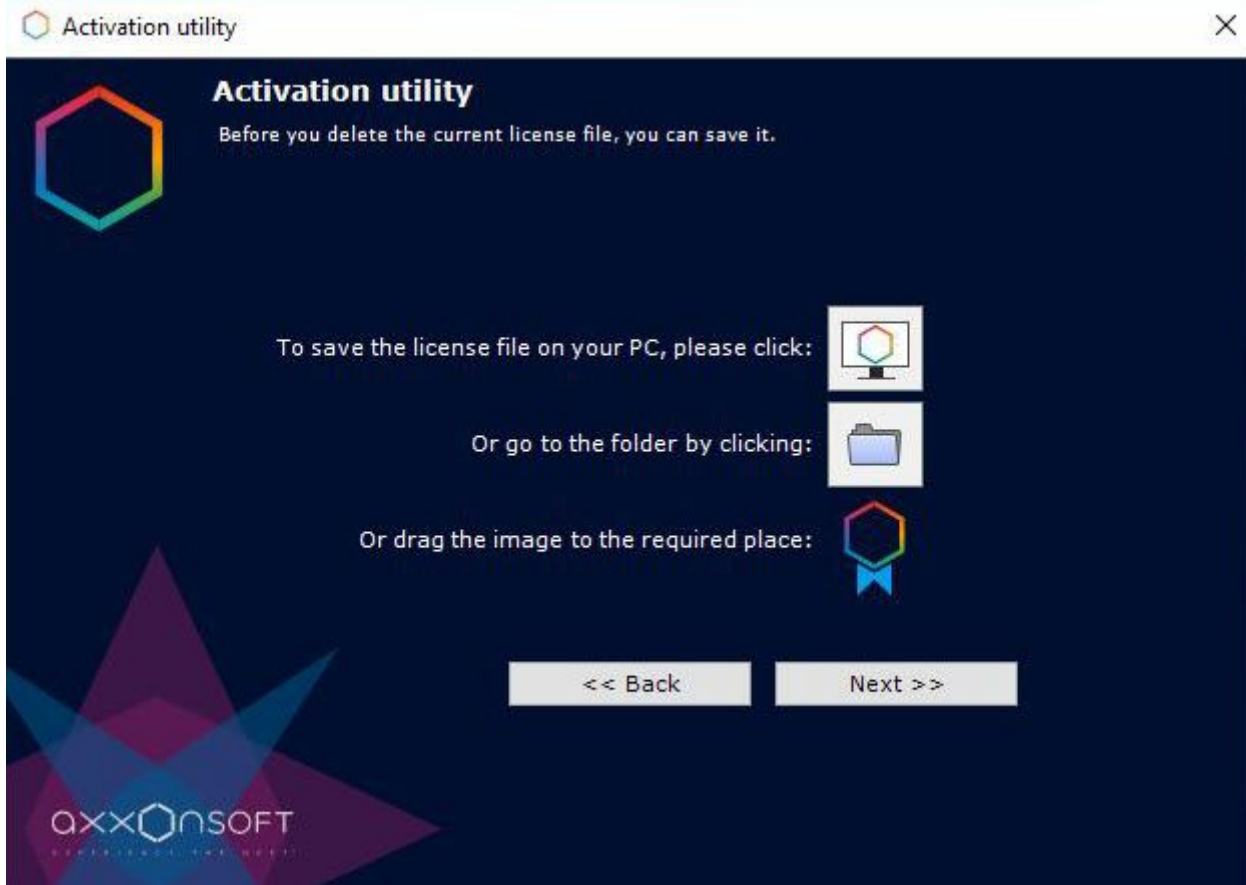
7 Deactivating a license

To delete the license file from the system, follow these steps:

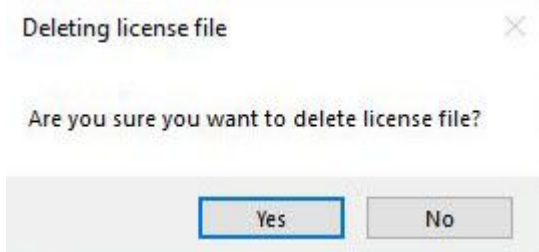
1. On the main page of the activation utility, select **Deactivate** and click **Next**.



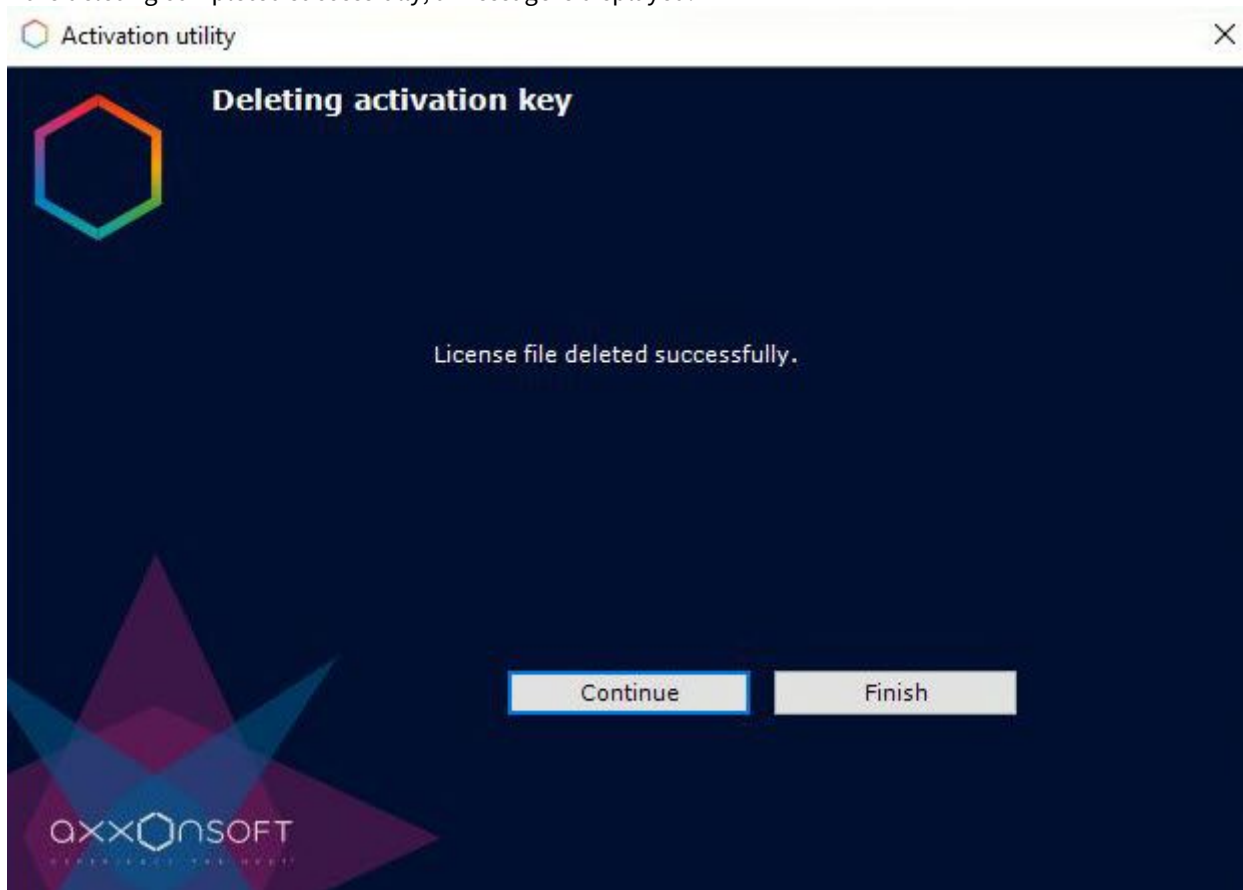
2. You can save the activation request file using any one of the methods prompted on the screen. Click the **Next** button.



3. Confirm deleting a license file.



4. If the deleting completed successfully, a message is displayed.



You have deleted a license file. Now your VMS runs in *Axxon One* Demo mode.

Note

To return to the Home page of the activation utility, click **Continue**, to exit it – click **Finish**.

Attention!

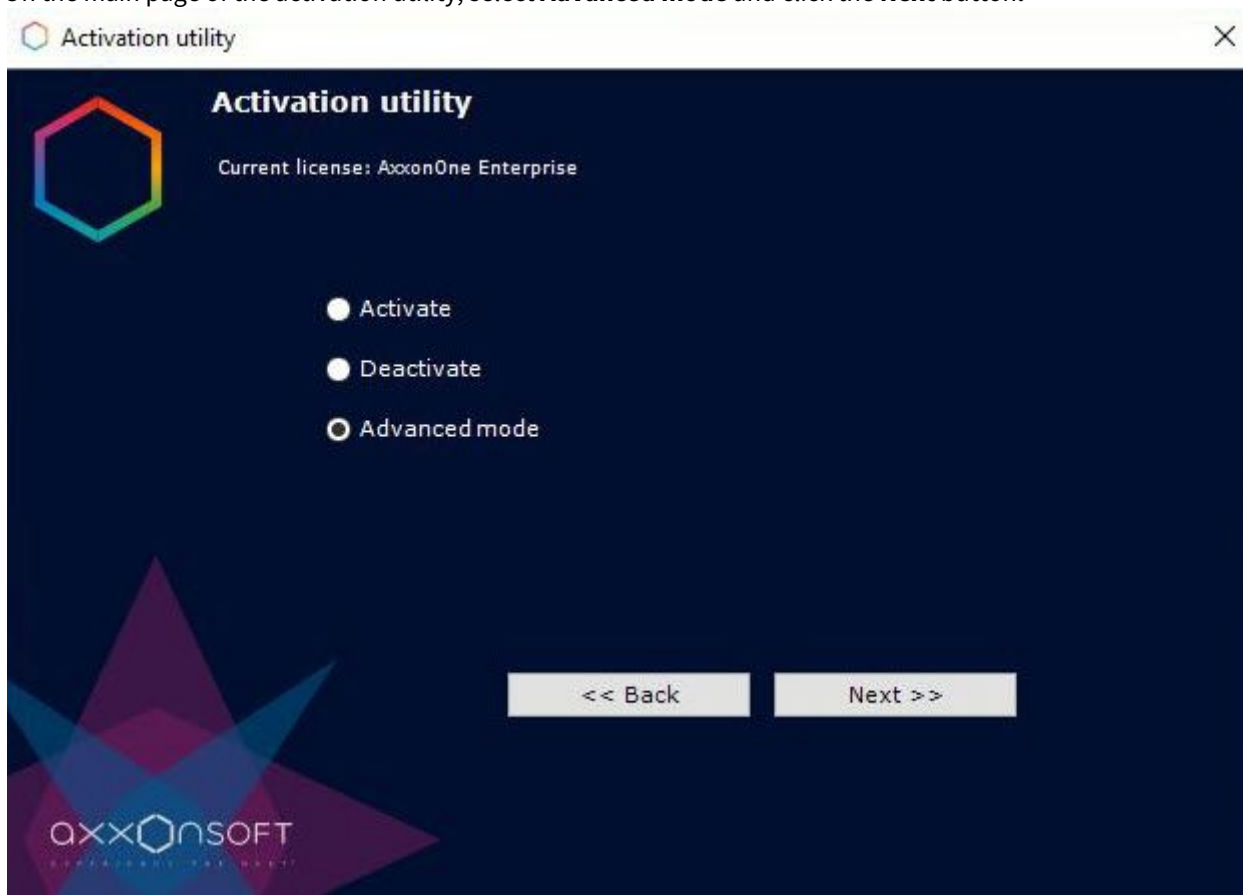
The *Axxon One* Server must be restarted after deactivation.

8 Additional license utility actions

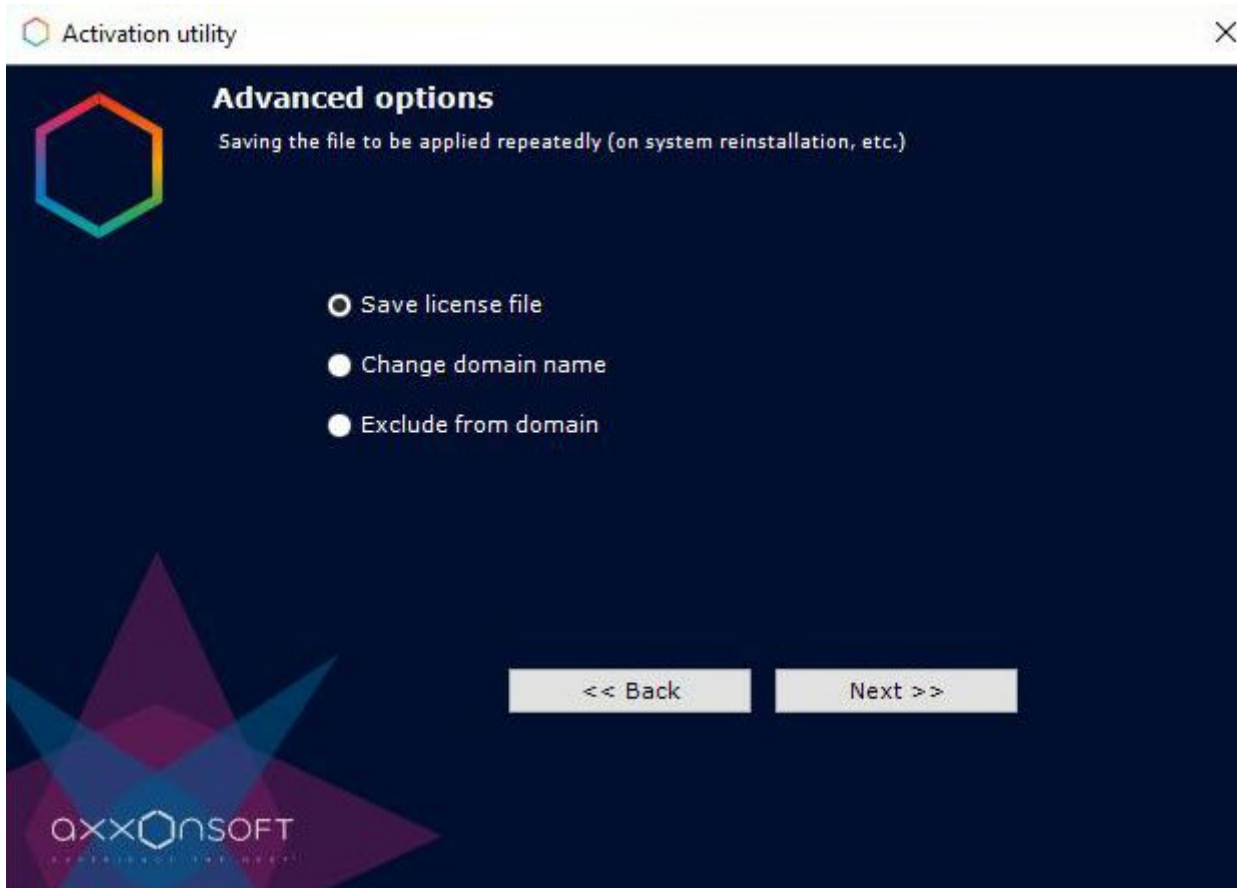
8.1 Saving the license file

To save the license file, follow these steps:

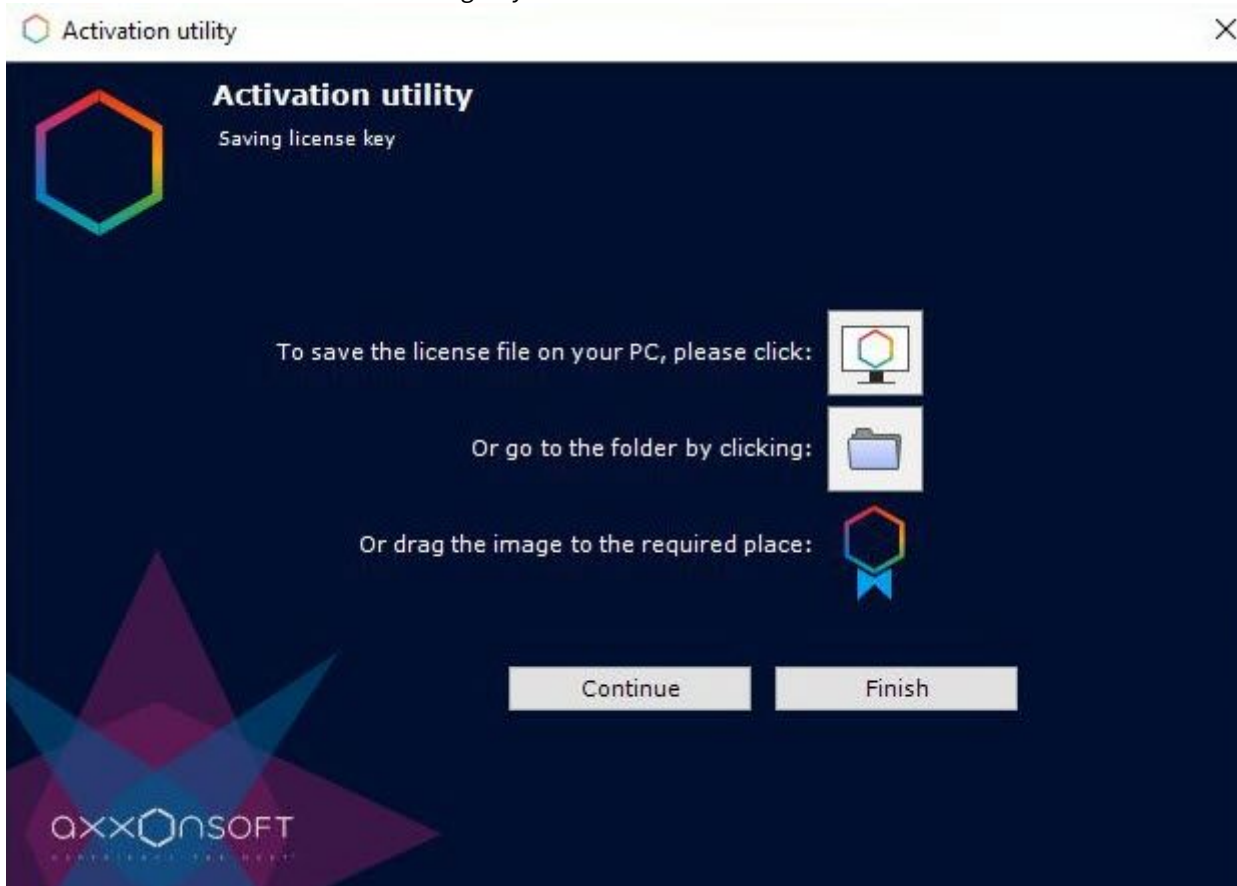
1. On the main page of the activation utility, select **Advanced mode** and click the **Next** button.






2. Select **Save license file** and click the **Next** button.



3. Save the license file in one of the following ways.



- a. Click the  button in the standard Windows dialog box to browse for file location and enter the name.
- b. Click the  button. The folder that contains the request file opens.
- c. Drag and drop the  image to the destination folder.

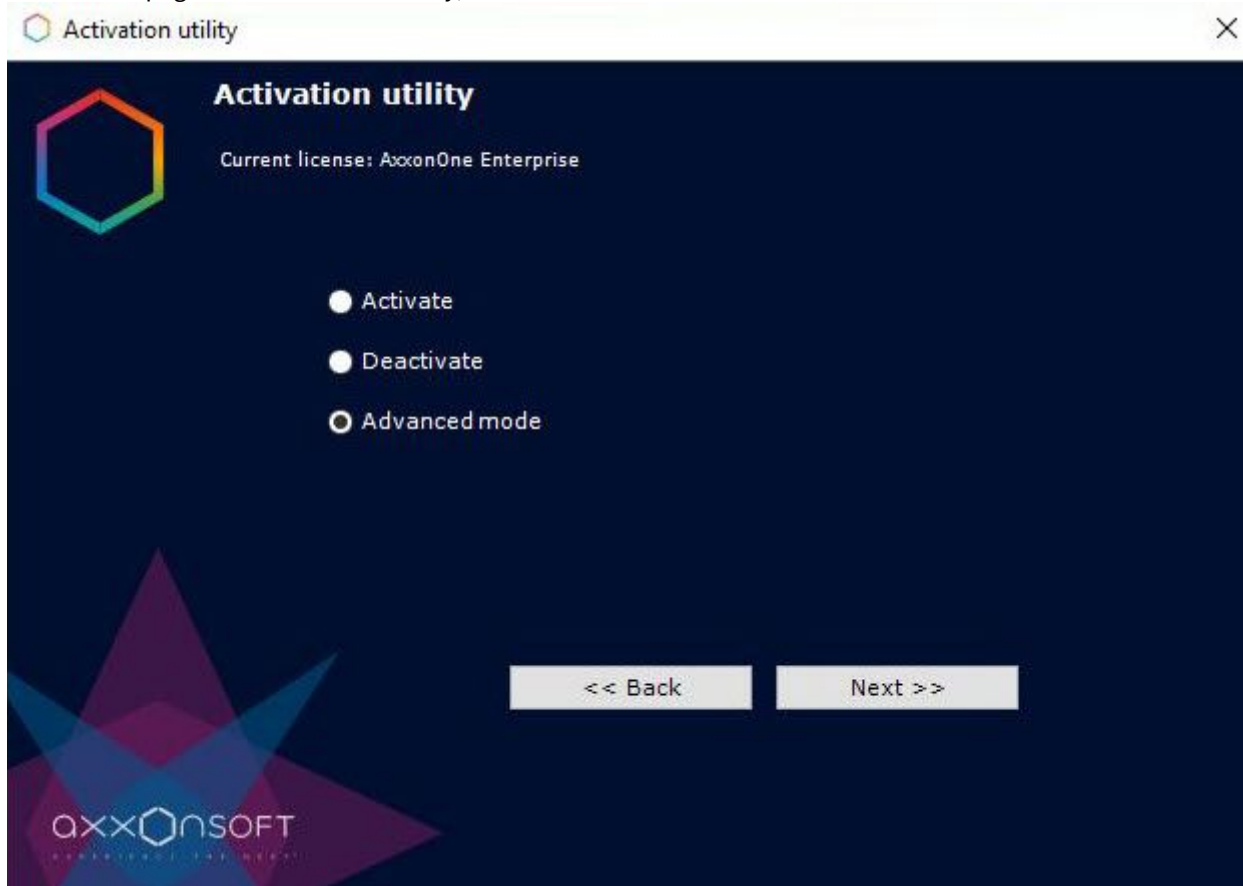
Saving the license file is complete.

To return to the license utility home screen, click **Continue**. To exit from the utility, click **Finish**.

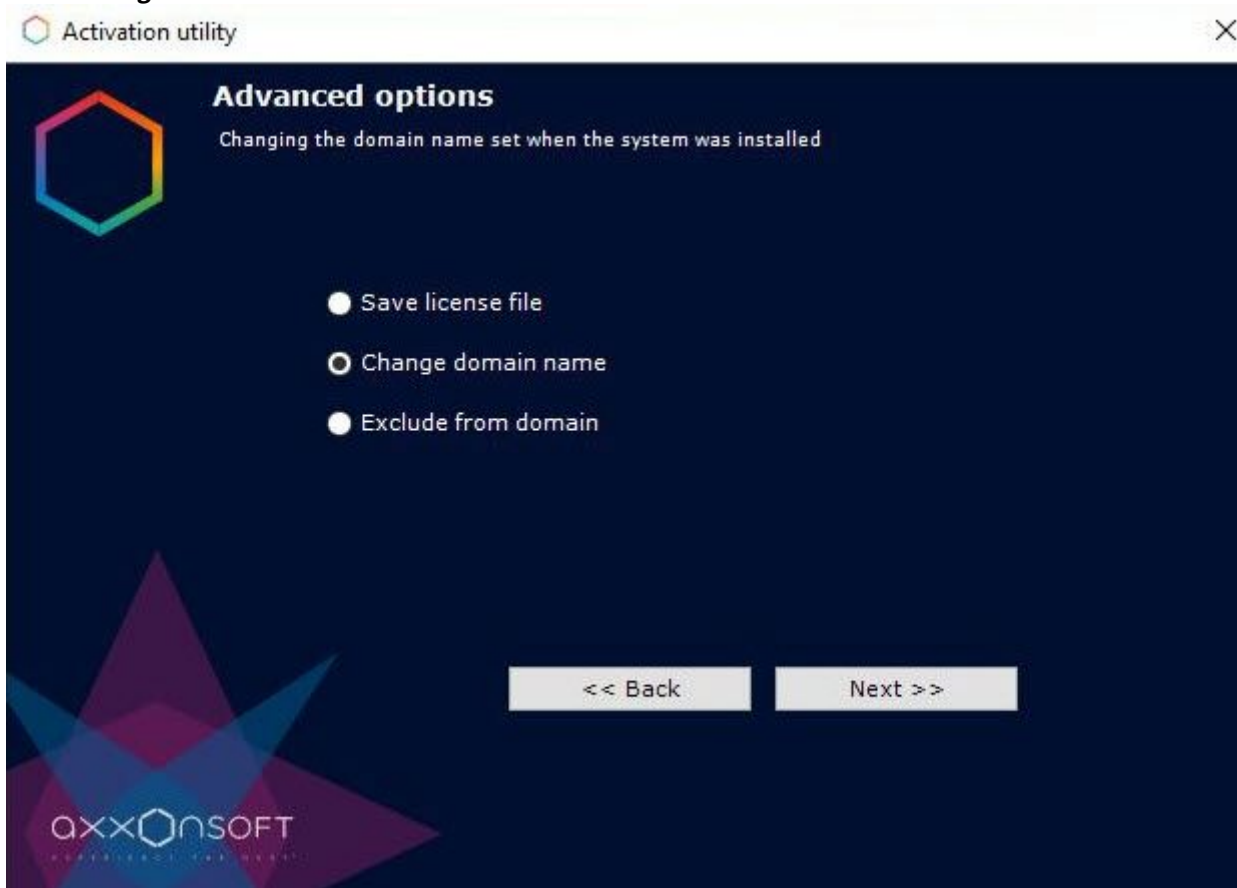
8.2 Changing the domain name

To change the domain name from that given during the system installation, follow these steps:

1. On the main page of the activation utility, select **Advanced mode** and click the **Next** button.



2. Select **Change domain name** and click the **Next** button.



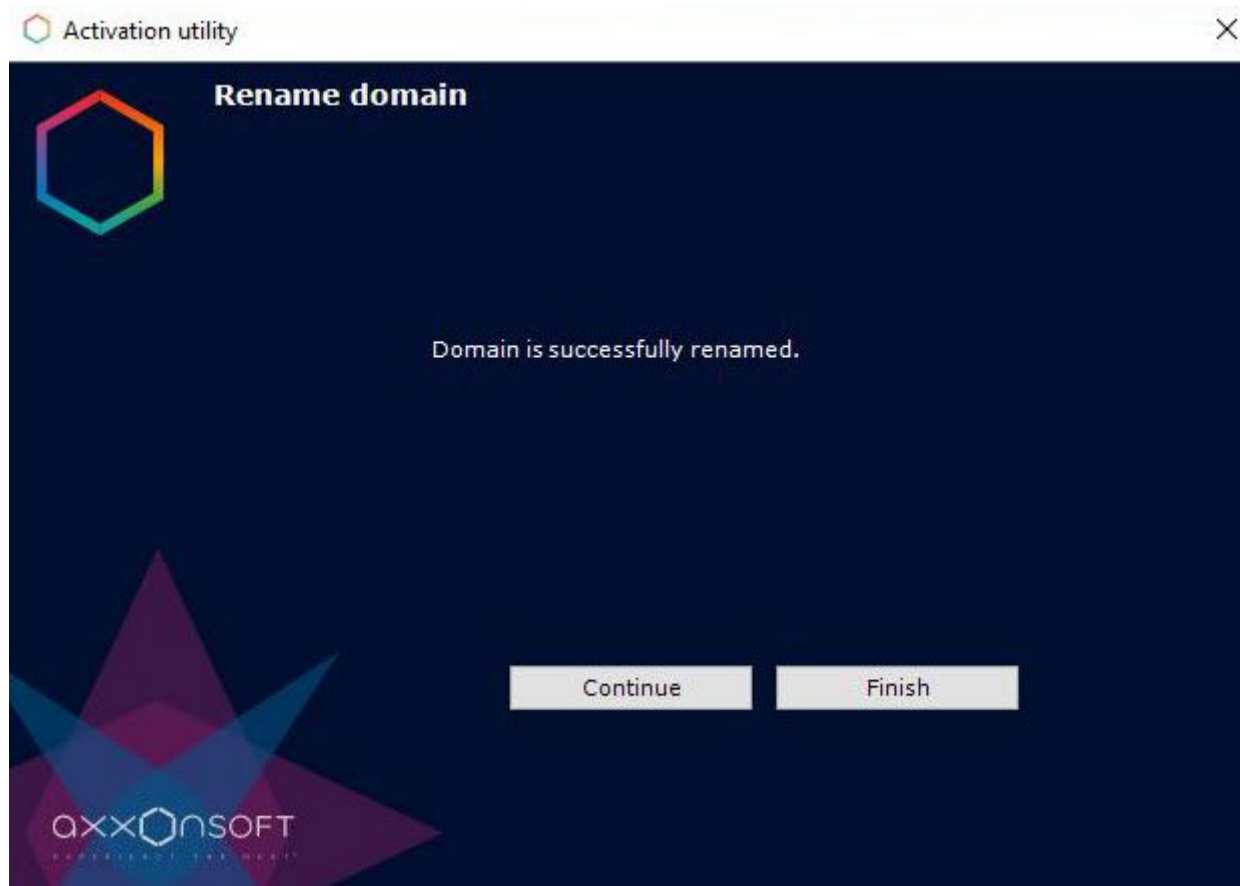
3. Specify the new domain name and click **Next**.



Note.

The domain name may only consist of letters-numeric characters and a dash (-). The dash not be the first or last character in the name.

On success a message will appear.

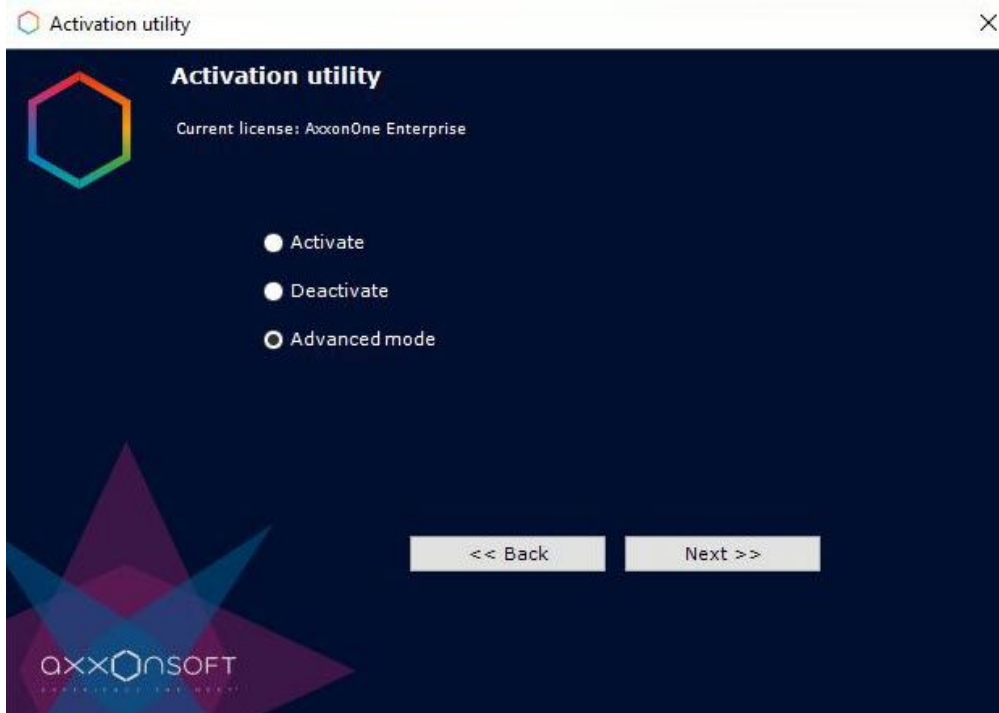


To return to the Home page of the activation utility, click **Continue**, to exit it – click **Finish**.

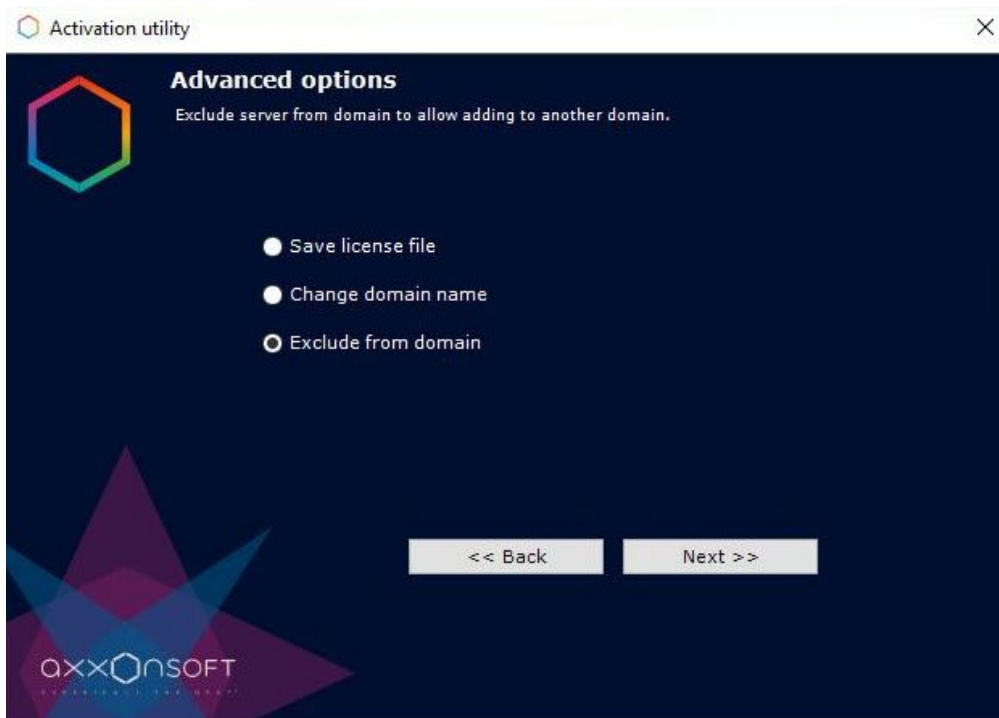
8.3 Excluding the Current Server from an domain

To exclude the Server currently connected to the activation utility from an domain, perform the following steps:

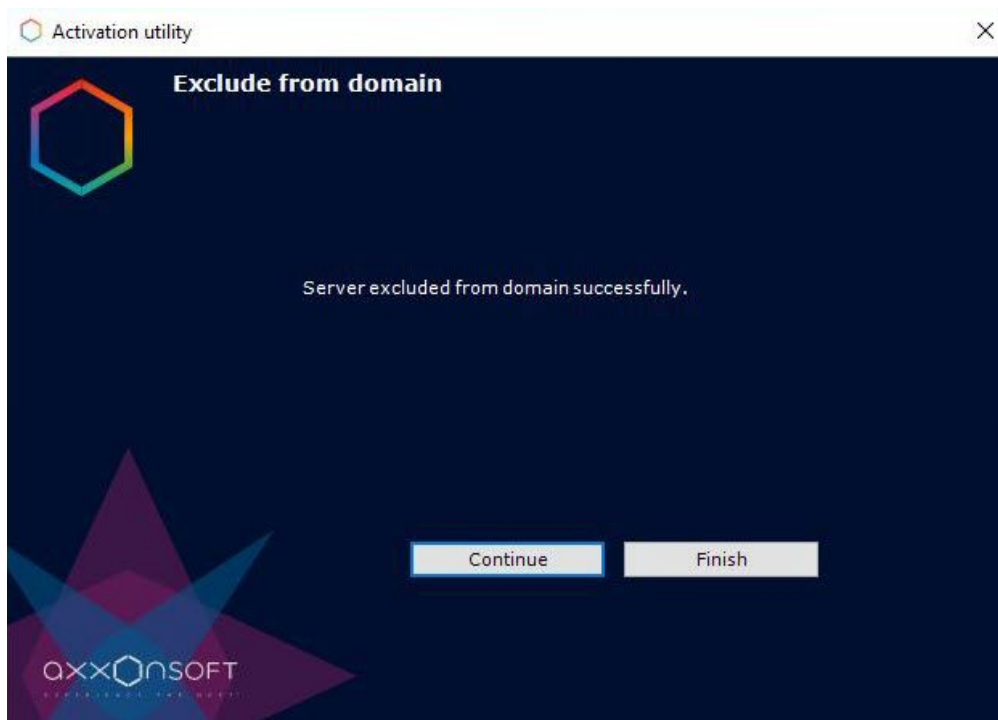
1. On the main page of the activation utility select **Advanced mode** and click **Next**.



2. Select **Exclude from domain** and click **Next**.



If the operation completes successfully, a notification message will appear.



The Server has been excluded from the domain.

Note

To return to the Home page of the activation utility, click **Continue**, to exit it – click **Finish**.

9 Generating license files via the licensing web server

The license file can be obtained from an AxxonSoft representative, by sending him a request file, or may be self-generated on the license server.

To generate a license file via the licensing web server, a request file is needed for activation of the required licensing for *Axxon One*.

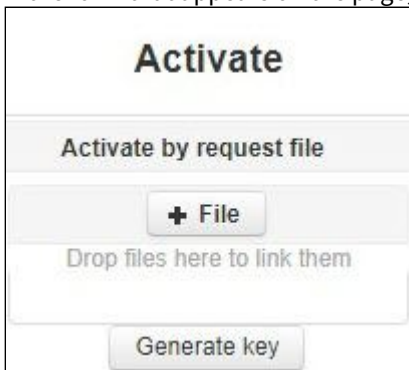
9.1 Generating the Axxon One Free license file

To generate the *Axxon One* Free license file, follow these steps:

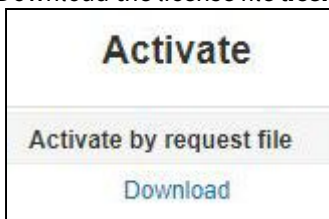
1. Go to the web server at the following address: <https://sale.axxonsoft.com/sale/>.



2. Go to the link: **Activate Free**.
3. In the form that appears on the page, specify the path to the saved activation request file.



4. Click **Generate key**.
5. Download the license file **license.key**.



The generation of the *Axxon One* Free license file is complete.

9.2 Generating the Axxon One license file

The self-generated *Axxon One* license file is available only upon the request for the product serial number activation. The product serial number is available after payment.

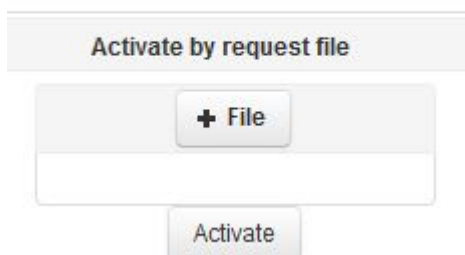
To generate a license file:

1. Go to the web server at the following address: <https://sale.axxonsoft.com/sale/>.



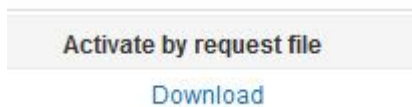
2. Click **Activate**.
3. Click the **+ File** button and select an activation request file.

Key generate



4. Click **Activate**.
5. Download the license file **license.key**.

Key generate



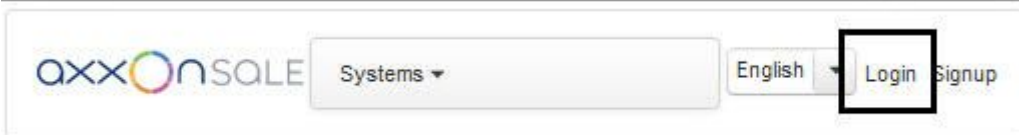
The generation of the *Axxon One* license file is complete.

10 Decoding the activated license

With the help of decoding, you can find out the type and the expiration date of the license, as well as what objects are allowed to be used in the system and in what quantity.

For this, do the following:

1. Go to <https://sale.axxonsoft.com/sale/>.
2. Log into the website: click **Login** and enter your username and password.



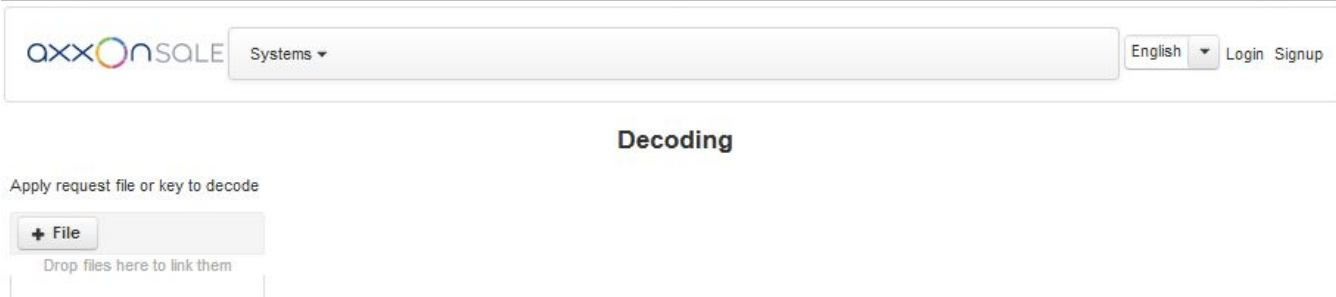
Note

Decoding is available to the registered users only. Click **Signup** to register.

3. Select **Systems** -> **Decoding**.



4. Upload the license file into the **File** form.



Note

The executable file of the LicenseTool.exe activation utility is located in the <Axxon One installation directory>\AxxonSoft\AxxonSmart\bin\ folder.

Decoding of the activated license is complete.

The information about the license type and expiration date, and the system features will be displayed on the website.

Decoding

System type: AxxonOne Enterprise
Duration license: From 16.06.2022 00:00 To 16.06.2122 00:00
Generator: ngp.axxonone
Serial number: XXXXXXXXXX
Source systems: 1238884

Modules	
Name	Qty
Event Sources	0
Fire Detector	2
LPR detection	4
LPR detection (Any)	0
LPR detection RR for search in archive	2
LPR detection VT	2
Max size of archives	∞
Medical Mask Detector	2
NVR module	0
Neural networks based object filter	2
Neural networks based object tracker	2
Number of archives	∞
Offline Analytics for one video channel	0
People counting	2
Programming	1
Queue Length Estimation	2
Search in Archive	2
Situation Analysis Detection Tools (Situation Analysis)	∞
Smoke Detector	2
Tag&Track Pro	2
Video channel (Linux)	0
Video channels	2
Video channels (any)	2
VmdaChannelBindingLight	∞