



Activation guide

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## 1 Activation Guide. Introduction.

## 2 Overview on licensing the Axxon One software system

- [Types of licenses](#)(see page 15)
- [Licensing methods for Axxon One](#)(see page 21)
- [Activation utility](#)(see page 22)

### 3 Activating the Axxon One Free license

## 4 Activating Axxon One

- [Creating an activation request](#)(see page 30)
- [Activation by applying license file](#)(see page 32)
- [Activation with serial number](#)(see page 35)
- [Activation using Guardant dongle](#)(see page 39)

## 5 Upgrading Axxon One

## 6 Transferring a license to another computer while maintaining configuration

## 7 Deactivating a license

## 8 Additional license utility actions

- [Saving the license file](#)(see page 46)
- [Changing the domain name](#)(see page 48)
- [Excluding the Current Server from an domain](#)(see page 50)

## 9 Generating license files via the web interface of the licensing service

## 10 Decoding the activated license

## 11 Activation Guide. Introduction.

On page:
<ul style="list-style-type: none"><li>• <a href="#">General information</a>(see page 14)</li><li>• <a href="#">Purpose of the document</a>(see page 14)</li></ul>

### 11.1 General information

No part of this publication may be reproduced or transmitted in any way or in any form without the prior written consent of AxxonSoft.

The *Axxon One* brand is owned by AxxonSoft. All other trademarks mentioned herein are the property of their respective owners.

The document contains information that is current at the time of publication. The document may be changed by AxxonSoft without prior notice to other parties.

### 11.2 Purpose of the document

The [Axxon One software system Activation Manual](#)(see page 4) provides the information necessary for licensing the *Axxon One* software system.

The chapters titled [Activation Guide. Introduction](#)(see page 14) and [Overview on licensing the Axxon One software system](#)(see page 15) are intended as general guidance on the *Axxon One* licensing process.

The chapter [Activating the Axxon One Free license](#)(see page 25) contains instructions for activating your *Axxon One* Free license.

The chapter [Activating Axxon One](#)(see page 30) contains instructions for activating your paid license of *Axxon One*.

The chapter [Upgrading Axxon One](#)(see page 41) 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](#)(see page 46).







[Generating license files via the web interface of the licensing service](#)(see page 53) chapter provides instructions on generating license files.

## 12 Overview on licensing the Axxon One software system

### 12.1 Types of licenses

- ✓ Creating an activation request(see page 30)
- Activating the Axxon One Free license(see page 25)

There are 6 types of *Axxon One* license: **Axxon One Demo**, **Axxon One Free**, **Axxon One Start**, **Axxon One Professional**, **Axxon One Enterprise** and **Axxon One Unified**. Upon installation, the software will be launched in *Axxon One* Demo mode. You must 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 in the system. Data on all the types of *Axxon One* licenses is presented in the table below.

Functionality	Type of license					
	 Axxon One Demo (8:00-18:00) <sup>1</sup>	 Axxon One Free	 Axxon One Start <sup>8</sup>	 Axxon One Professional	 Axxon One Enterprise	 Axxon One Unified
Maximum number of servers in a distributed system <sup>1</sup>	Unlimited	1	1	30	30	Unlimited
Maximum number of cameras in a distributed system <sup>2</sup>	Unlimited	4	64	Unlimited	Unlimited	Unlimited
Free Software Updates(see page 41)	No	No	Yes	Yes	Yes	Yes
Support for SD cards (edge storage, playback only) <sup>3</sup>	Yes	No	Yes	Yes	Yes	Yes
Macros (event response wizard) <sup>4</sup>	Yes	No	Yes	Yes	Yes	Yes
AxxonData Reports <sup>5</sup>	Yes	No	Yes	Yes	Yes	Yes
Standard sub-detectors <sup>6</sup>	Yes	No <sup>2</sup>	No <sup>2</sup>	Yes	Yes	Yes
Line crossing <sup>7</sup>	No	No	No	Yes	Yes	Yes
Abandoned objects <sup>8</sup>	No	No	No	Yes	Yes	Yes

1 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484230/Configuring+domains>

2 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484230/Configuring+domains>

3 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484424/Embedded+storage>

4 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485013/Programming>

5 <https://docs.axxonsoft.com/confluence/spaces/onet/pages/218240189/AxxonData>

6 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/281552436/Standard+sub-detectors>

7 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484702/Configuring+Line+crossing>

8 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484708/Abandoned+object>

Time Compressor <sup>9</sup>	No	No	No	Yes <sup>8</sup>	Yes <sup>8</sup>	Yes <sup>8</sup>
Cross-System client <sup>10</sup>	No	No	No	Yes	Yes	Yes
<b>AI Features and Retail License Pack</b>						
Advanced archive search: <ul style="list-style-type: none"> <li>• Search in archive<sup>11</sup></li> <li>• Search by LPs<sup>12</sup></li> </ul>	Yes	No <sup>3</sup>	No <sup>3</sup>	Optional	Yes	Yes
Face search <sup>13</sup>	No	No <sup>3</sup>	No <sup>3</sup>	Optional	Yes	Yes
Tag&Track Pro <sup>14</sup> (feature that automatically tracks moving objects using a PTZ camera)	Yes	No	No	Optional	Yes	Yes
Retail analytics: <ul style="list-style-type: none"> <li>• Visitors counter<sup>15</sup></li> <li>• Queue detector<sup>16</sup></li> <li>• Heat map<sup>17</sup></li> <li>• Barcode detector<sup>18</sup></li> </ul>	Yes	No	No	Optional	Yes	Yes
Mask detector VL <sup>19</sup> Mask detector VA <sup>20</sup> Mask detector TV <sup>21</sup>	No	No	No	Optional	Yes	Yes
Neural tracker <sup>22</sup>	Yes	No	No	Optional	Yes	Yes
Stopped object detector <sup>23</sup>	Yes	Optional	Optional	Optional	Optional	Optional
Fire detector <sup>24</sup>	Yes	No	No	Optional	Yes	Yes
Smoke detector <sup>25</sup>	Yes	No	No	Optional	Yes	Yes
QR/Barcode reader <sup>26</sup>	Yes	No	No	Optional	Yes	Yes

9 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486008/Compressed+playback+of+archives+TimeCompressor>

10 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484207/Cross-System+client>

11 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486171/Search+in+archive>

12 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486206/Search+by+LPs>

13 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486209/Face+search>

14 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485957/Tag+Track+Pro>

15 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/303039358/Visitors+%D1%81ounter>

16 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/303039329/Queue+detector>

17 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486610/Building+a+Heat+Map>

18 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/281548968/Barcode+detector>

19 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/314514378/Mask+detector+VL>

20 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/314514437/Mask+detector+VA>

21 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/314514477/Mask+detector+TV>

22 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484723/Configuring+the+Neural+tracker>

23 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/281554590/Stopped+object+detector>

24 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484894/Fire+detector>

25 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/281551883/Smoke+detector>

26 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/281548968/Barcode+detector>

Neural counter <sup>27</sup>	Yes	No	No	Optional	Optional	Optional
Abandoned object detector VI <sup>28</sup>	No	No	No	Optional	Optional	Optional
Abandoned object detector VI (Street) <sup>29</sup>	No	No	No	Optional	Optional	Optional
Line crossing VI <sup>30</sup>	No	No	No	Optional	Optional	Optional
Movement in prohibited direction VI <sup>31</sup>	No	No	No	Optional	Optional	Optional
Motion in area detector VI <sup>32</sup>	No	No	No	Optional	Optional	Optional
Detector of atypical changes in the scene VI <sup>33</sup>	No	No	No	Optional	Optional	Optional
Fight detector VL <sup>34</sup>	No	No	No	Optional	Optional	Optional
Meta-detector <sup>35</sup>	No	No	No	Optional	Optional	Optional
<b>Human Behavior Analytics</b>						
Human pose detector <sup>36</sup> includes: <ul style="list-style-type: none"> <li>Sitting person detector</li> <li>Person down detector</li> <li>Hands up detector</li> <li>Shooter detector</li> <li>Handrail holding detector</li> <li>People counter</li> <li>Close-standing people detector</li> </ul>	Yes	No	No	Optional	Optional	Optional
<b>Personal Protective Equipment Detection</b>						
Equipment detector <sup>37</sup> and Equipment detector VL <sup>38</sup> include: <ul style="list-style-type: none"> <li>Helmets</li> <li>Hi-viz vests</li> <li>Protective clothing</li> </ul>	Yes	No	No	Optional	Optional	Optional
<b>Add-On Modules</b>						

27 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484882/Neural+counter>

28 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/281553392/Abandoned+object+detector+VI>

29 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/281553461/Abandoned+object+detector+VI+Street>

30 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/314515323/Line+crossing+VI>

31 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/314515321/Movement+in+prohibited+direction+VI>

32 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/314514391/Motion+in+area+detector+VI>

33 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/314514495/Detector+of+atypical+changes+in+the+scene+VI>

34 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/314514566/Fight+detector+VL>

35 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/314515318/Meta-detector>

36 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484922/Human+pose+detector>

37 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/248422710/Equipment+detector>

38 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/260906725/Equipment+detector+VL>

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) <sup>39</sup>	Yes	No	Optional	Optional	Optional	Optional
Custom AI Analytics	No	No	No	Optional	Optional	Optional
Water level detector <sup>40</sup>	Yes	No	No	Optional	Optional	Optional
Multicamera Tracking. Tracking follows objects across multiple camera FOVs based on appearance similarity <sup>7</sup>	Yes	No	No	Optional	Optional	Yes
Similarity Search <sup>7</sup>	Yes	No	No	No	Optional	Yes <sup>8</sup>
AxxonNet cloud service <sup>41</sup>	Yes	No	Yes	Yes	Yes	Yes
Datacenter Domain Unification/Private Cloud <sup>42</sup>	Yes	No	No	No	No	Yes
Checking in lists of faces <sup>43</sup>	No	No	No	Optional	Optional	Optional
FaceCube external face recognition module <sup>44</sup>	No	No	No	Optional	Optional	Optional
Vehicle license plate recognition based on the created lists <sup>454</sup>	No	No	No	Optional	Optional	Optional
Vehicle recognition <sup>464</sup>	No	No	Yes	Yes	Yes	Yes
Person-based privacy masking <sup>47</sup>	Yes	Yes	Yes	Yes	Yes	Yes
Privacy masking <sup>48</sup>	Yes	Yes	Yes	Yes	Yes	Yes
Crowd estimation VA <sup>49</sup>	No	No	No	Optional	Optional	Optional

39 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484498/Receiving+events+from+external+systems>

40 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484980/Water+level+detector>

41 <https://docs.axxonsoft.com/confluence/spaces/onet/pages/157697076/AxxonNet.com>

42 <https://docs.axxonsoft.com/confluence/spaces/onet/pages/209191104/Axxon+Datacenter>

43 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484786/Checking+in+lists+of+faces>

44 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484799/FaceCube+external+face+recognition+system>

45 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484878/Checking+in+lists+of+LPs>

46 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/339018066/Vehicle+recognition+RR>

47 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484916/Person-based+privacy+masking>

48 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/248444014/Privacy+masking>

49 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/281548477/Crowd+estimation+VA>

Searching for LPR/ANPR numbers and faces on video from multiple cameras <sup>50</sup>	Yes	No	No	Optional	Yes	Yes
Data replication <sup>51</sup>	No	No	No	No	Yes	Yes
FailOver <sup>52</sup>	No	No	No	No	Yes	Yes
Video walls management <sup>53</sup>	Yes	No	No	No	Yes	Yes
LDAP authentication supported <sup>54</sup>	Yes	No	No	No	Yes	Yes
Encrypting a volume of an archive <sup>55</sup>	Yes	No	No	Optional	Optional	Optional
<b>System features available for all licenses</b>						
<b>Hardware</b> Control panels Security keyboards Joysticks I/O modules	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
<b>Server</b> ONVIF Profiles G, S, T <sup>56</sup> H.265 support <sup>57</sup> Edge analytics (metadata from IP devices) <sup>58</sup> Configuration backup and restore <sup>59</sup> Mass configuration of cameras <sup>60</sup> Multicasting <sup>61</sup> Hotkeys <sup>62</sup>	Yes	Yes	Yes	Yes	Yes	Yes

50 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486244/Simultaneous+search+in+the+archive+of+several+cameras>

51 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484580/Configuring+data+replication>

52 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485569/Configuring+Failover+VMS>

53 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486345/Managing+monitors+on+remote+Clients+within+the+Axxon-domain>

54 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485146/LDAP+catalogs>

55 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/314513207/Encrypting+a+volume+of+an+object+archive>

<https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484279/Camera>

57 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484097/Characteristics+of+Axxon+One>

58 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484989/General+information+about+embedded+detectors>

59 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486695/Backup+and+restore+utility>

60 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484292/Bulk+application+of+settings>

61 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485520/Automatic+connection>

62 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485547/Configuring+hot+keys>

<p><b>Recorded video / Investigation</b></p> <p>Local and network archives<sup>63</sup></p> <p>Events search<sup>64</sup></p> <p>Time slice search (search by time intervals)<sup>65</sup></p> <p>Simultaneous search in the archive of several cameras<sup>66</sup></p> <p>Video bookmarking (searchable text comments)<sup>67</sup></p>	Yes	Yes	Yes	Yes	Yes	Yes
<p><b>Live monitoring</b></p> <p>Service audio and video analytics<sup>68</sup></p> <p>Embedded detectors<sup>69</sup> (except for Axis on-board tracker<sup>705</sup>)</p> <p>Interactive 3D map<sup>71</sup></p> <p>GreenStream adaptive bandwidth management<sup>72</sup></p> <p>Tag&amp;Track Lite<sup>73</sup> (feature that automatically detects the next camera in the field of view of which the selected object is most likely to appear)</p> <p>OnScreen PTZ mode<sup>74</sup></p> <p>Support for fisheye cameras and ImmerVision lenses<sup>75</sup></p> <p>Export of frames and video recordings to multiple formats<sup>76</sup></p> <p>Information boards<sup>77</sup></p>	Yes	Yes	Yes	Yes	Yes	Yes
<p><b>Remote clients</b></p> <p>Web client interface<sup>78</sup></p> <p>iOS app (including Apple TV)<sup>79</sup></p> <p>Android app<sup>80</sup></p>	Yes	Yes	Yes	Yes	Yes	Yes

**Note**

Information about the type of license you are using is displayed in the Server properties in the **Product type** field. Users in the **admin** role get an informational message to renew the license 30 days or less before it expires.

<sup>1</sup>—the system will operate in demo mode from 8:00 AM to 6:00 PM within 30 days after installation of *Axxon One*.

63 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484559/Creating+archives>

64 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486162/Events+search>

65 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486165/Thumbnail+search>

66 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486244/Simultaneous+search+in+the+archive+of+several+cameras>

67 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486168/Comments+search>

68 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484651/Category+Service>

69 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484989/General+information+about+embedded+detectors>

70 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484993/AxxonSoft+Tracker+in+Axis+devices>

71 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486362/Working+with+the+interactive+map>

72 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485974/Selecting+video+stream+quality+in+a+Surveillance>window+GreenStream>

73 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485959/Tag+Track+Lite>

74 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485948/Controlling+a+PTZ+camera+in+the+OnScreen+PTZ+mode>

75 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486248/Working+with+fisheye+cameras>

76 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486422/Exporting+frames+and+video+recordings>

77 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486280/Working+with+information+boards>

78 <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486507/Working+with+Axxon+One+through+the+Web-Client>

79 <https://docs.axxonsoft.com/confluence/display/mobile/AxxonNet+iOS+Mobile+Client+User+Guide>

80 <https://docs.axxonsoft.com/confluence/display/mobile/AxxonNet+mobile+client+on+Android+OS.+User+Guide>

<sup>2</sup>—all scene analytics detectors based on Motion detector are available in *Axxon One Free* and *Axxon One Start* licenses, except for the **Abandoned object** detector (see [Motion detector](#)<sup>81</sup>).

<sup>3</sup>—Search in archive with metadata search from the Database VMDA is available in *Axxon One Start* and *Axxon One Free* licenses. It is not possible to determine the object type and color based on metadata from VMDA.

<sup>4</sup>—it is necessary to activate the license for the following detectors:

- Vehicle Recognition IV;
- License plate recognition VT (see [Licensing of the software module for the License plate recognition VT in Windows OS](#)<sup>82</sup>);
- License plate recognition IV (see [Configuring the License plate recognition IV](#)<sup>83</sup>);
- License plate recognition XR (see [Licensing of the software module for the License plate recognition XR in Windows OS](#)<sup>84</sup>).

<sup>5</sup>—the module has to be purchased separately.

<sup>6</sup>—with the license, you can use privacy masks based on data from the corresponding detectors.

<sup>7</sup>—to be released in the next version.

<sup>8</sup>—country restriction. Please contact an AxxonSoft manager to find out if this functionality is supported in your country.

### 12.1.1 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.

## 12.2 Licensing methods for Axxon One

There are several licensing methods for *Axxon One*:

Licensing method	Description
License file only	<p>The license file contains the data on basic hardware configuration (motherboard, CPU, hard disk, video adapter, RAM, and network card) of all Servers. If you change any two 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.</p> <p>This is why, when working with <i>Axxon One</i>, consider the following:</p> <ol style="list-style-type: none"> <li>a. The activation request must be sent from the computer that will host the <i>Axxon One</i> Server.</li> <li>b. You can upgrade your license only if you saved the initial basic hardware configuration of all Servers.</li> <li>c. It is not possible to transfer a license from one computer to another.</li> </ol>

<sup>81</sup> <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484638/Motion+detector>


<sup>82</sup> <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484823/>

Licensing+of+the+software+module+for+the+License+plate+recognition+VT+in+Windows+OS

<sup>83</sup> <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484858/Configuring+the+License+plate+recognition+IV>

<sup>84</sup> <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/303043111/>

Licensing+of+the+software+module+for+the+License+plate+recognition+XR+in+Windows+OS

Licensing method	Description
License file and Guardant dongle	<p>This method allows replacing the Server hardware and transferring the license to another computer (see <a href="#">Transferring a license to another computer while maintaining configuration</a>(see page 42)). To activate <i>Axxon One</i> via this method, contact AxxonSoft to receive a license file and <i>Guardant</i> dongle.</p> <p>If you already have a <i>Guardant</i> dongle, you can perform activation yourself. To do this, connect the <i>Guardant</i> dongle to the computer that you wish to activate and perform the standard activation steps.</p> <div style="border: 1px solid #ffc107; padding: 5px; margin-top: 10px;"> <p> <b>Attention!</b> You can use a Guardant Sign dongle only on Linux OS.</p> </div>
<a href="#">License Server</a> <sup>85</sup>	The <i>License Server</i> allows you to account available and used licenses (see <a href="#">General information about the License Server</a> <sup>86</sup> ). You can use a public (see <a href="#">Public License Server</a> <sup>87</sup> ) or a private <i>License Server</i> (see <a href="#">Private License Server</a> <sup>88</sup> )

 **Attention!**

Software that creates virtual devices (such as VirtualBox, VmWare, and others) may lead to the loss of the license. If you encounter this problem, it is recommended to remove all virtual devices from the computer's hardware tree or obtain a new license file.

## 12.3 Activation utility

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

You can start the Activation utility from the Windows **Start** menu: **Start** → **Programs** → **Axxon One** → **Utilities** → **Activation utility** or from the notification area (see [Tray Tool utility](#)<sup>89</sup>).

 **Note**

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

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

<sup>85</sup> <https://docs.axxonsoft.com/confluence/spaces/LS/pages/260924375/License+server>

<sup>86</sup> <https://docs.axxonsoft.com/confluence/spaces/LS/pages/260924378/General+information+about+the+License+server>

<sup>87</sup> <https://docs.axxonsoft.com/confluence/spaces/LS/pages/260924382/Public+License+Server>

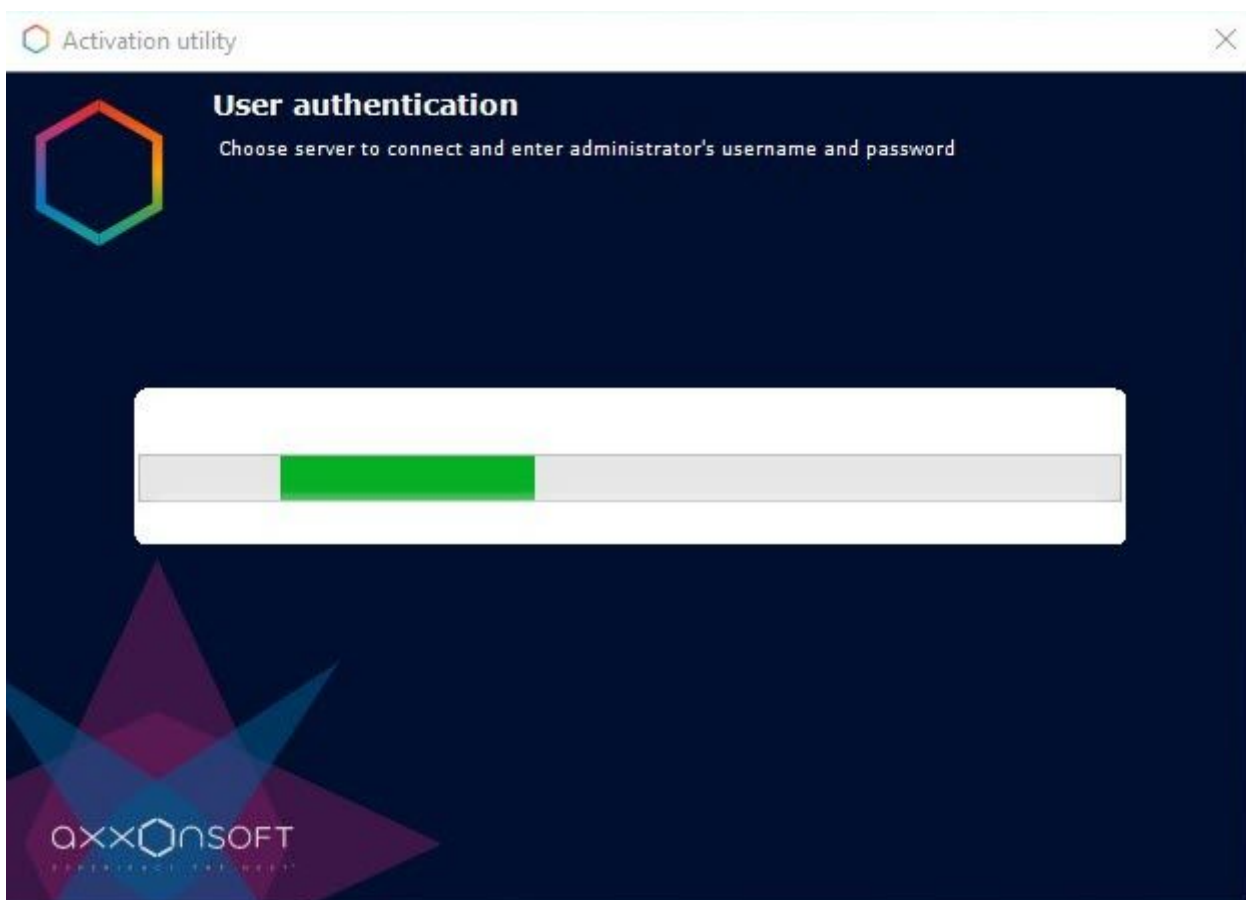
<sup>88</sup> <https://docs.axxonsoft.com/confluence/spaces/LS/pages/260924388/Private+License+Server>

<sup>89</sup> <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486655/Tray+Tool+utility>



The screenshot shows the Axxon ONE v.1.0.2.31 activation utility interface. At the top, the logo "axxon ONE" is displayed with a colorful hexagon icon, and the version number "v.1.0.2.31" is in the top right corner. Below the logo, there are three input fields: "Server name or IP address:" with a dropdown menu showing "TEST" and a ">>" button; "Username:" with a text box containing "root"; and "Password:" with a text box containing four black dots. At the bottom, there are two buttons: "Connect" and "Close".

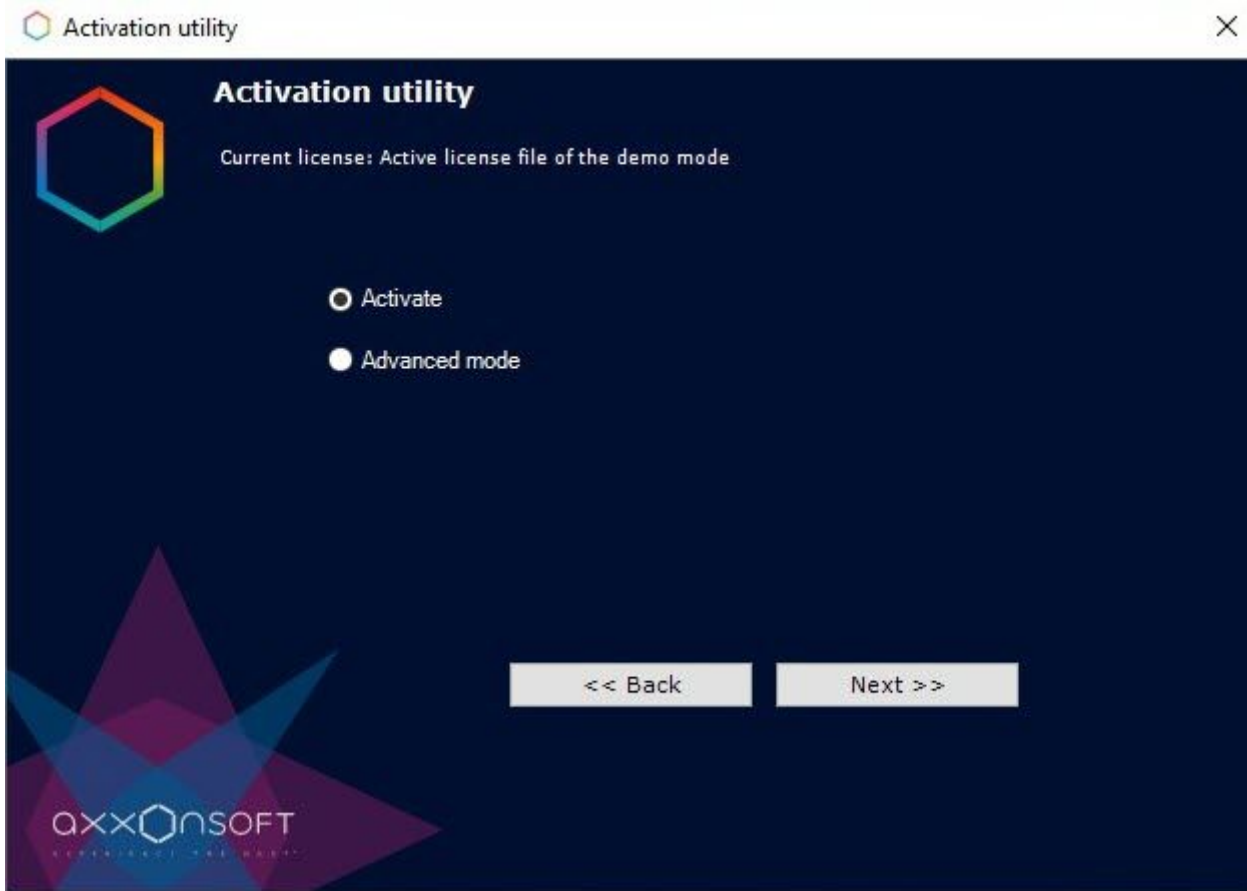
The download page opens.



After the download is complete, the main window of the Activation utility opens.

**Note**

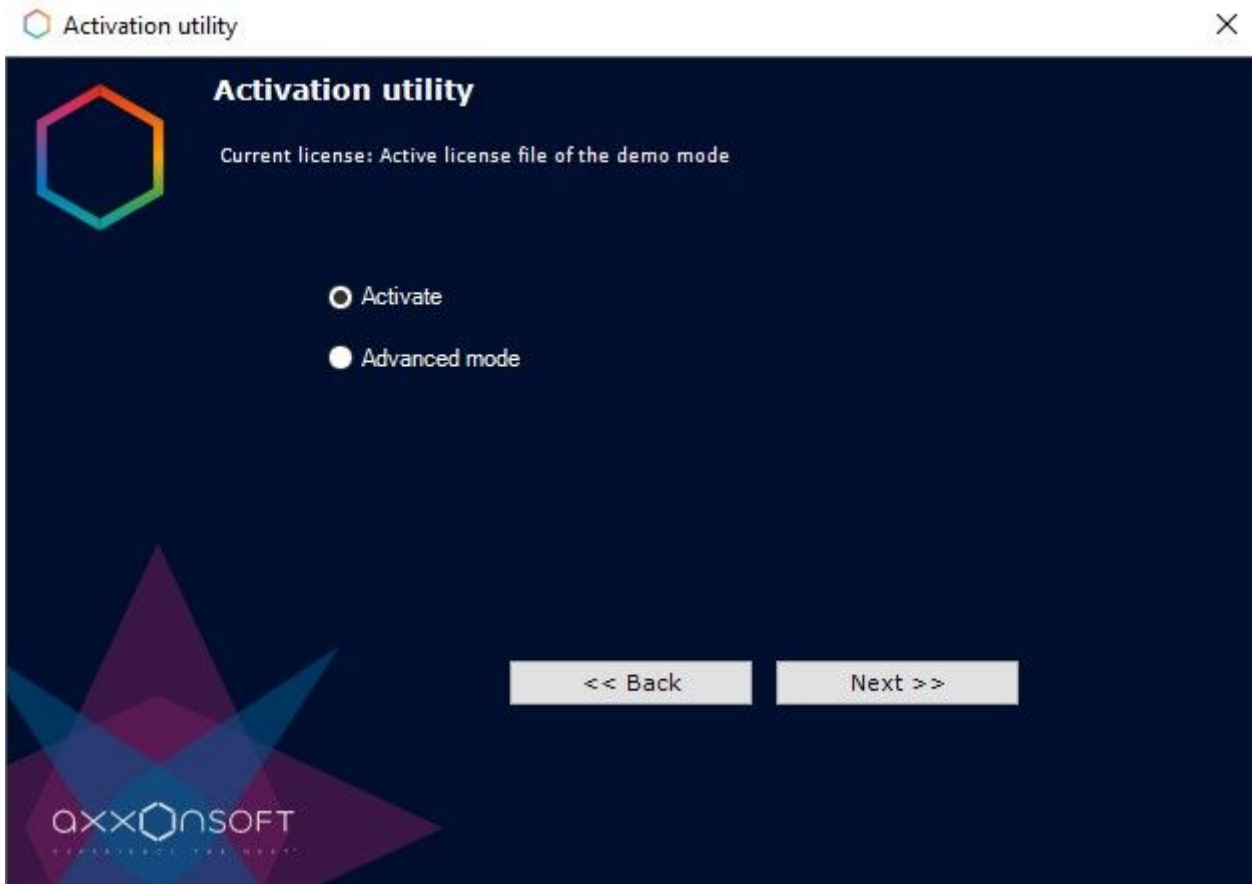
To activate *Axxon One*, you must connect to a Server in the domain. Otherwise, an error message appears.



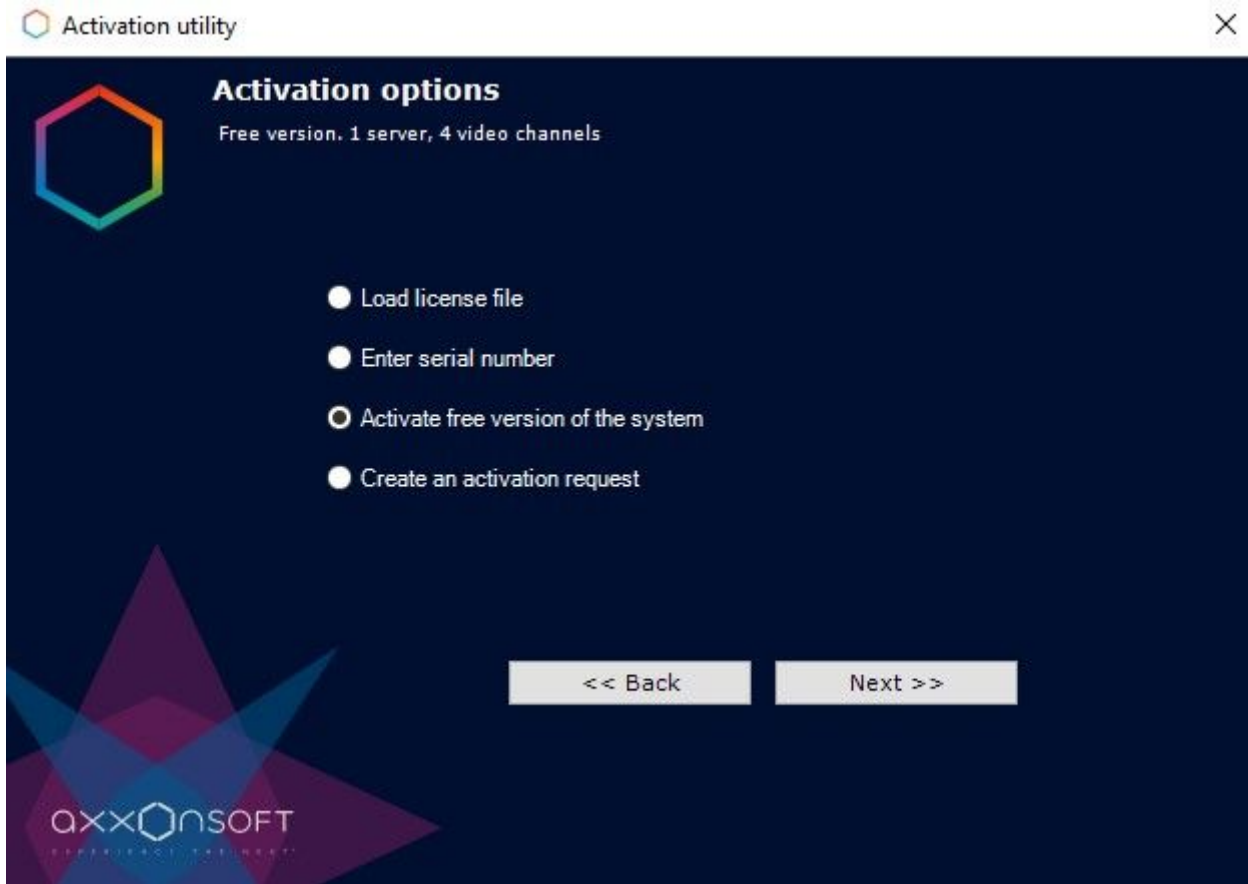
## 13 Activating the Axxon One Free license

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

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



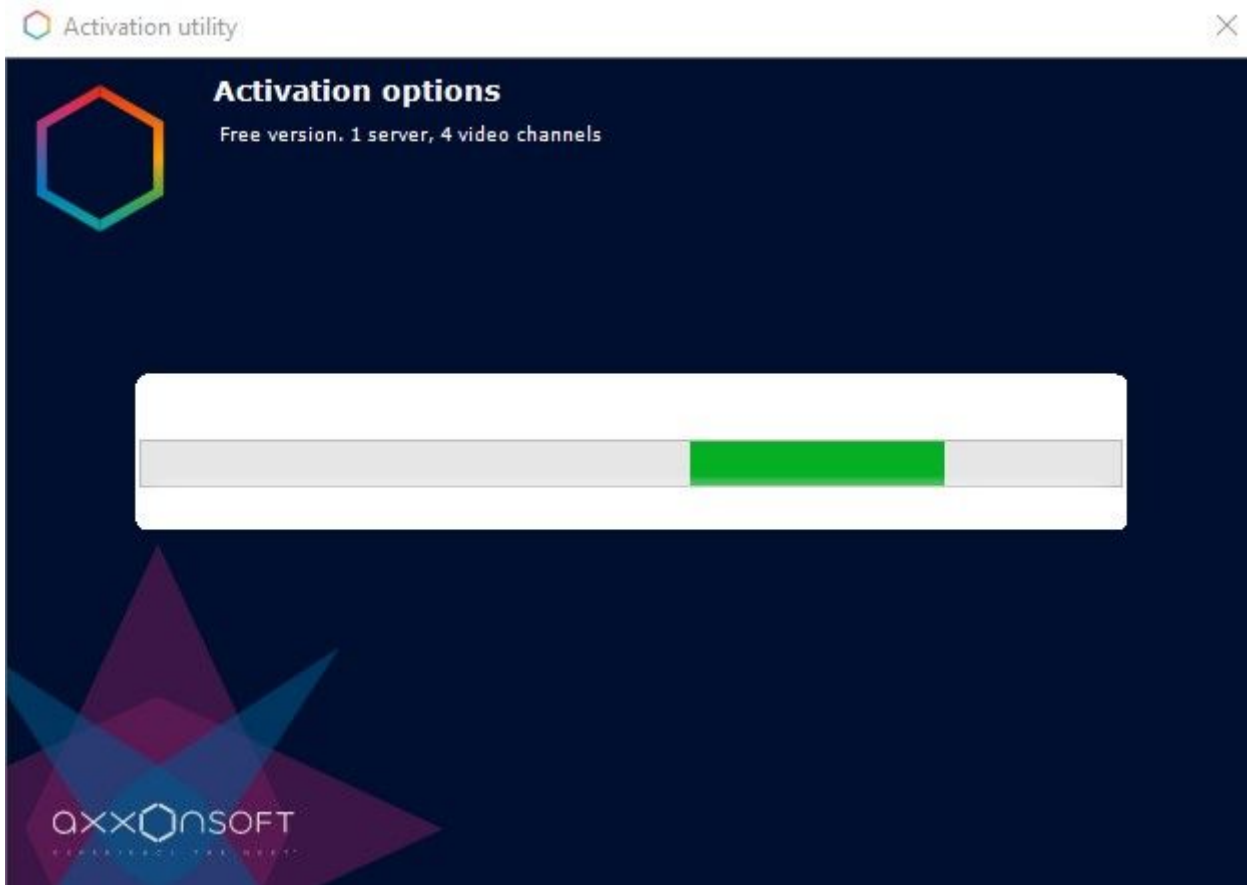
2. Select **Activate free version of the system** and click **Next**.



**⚠ Attention!**

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

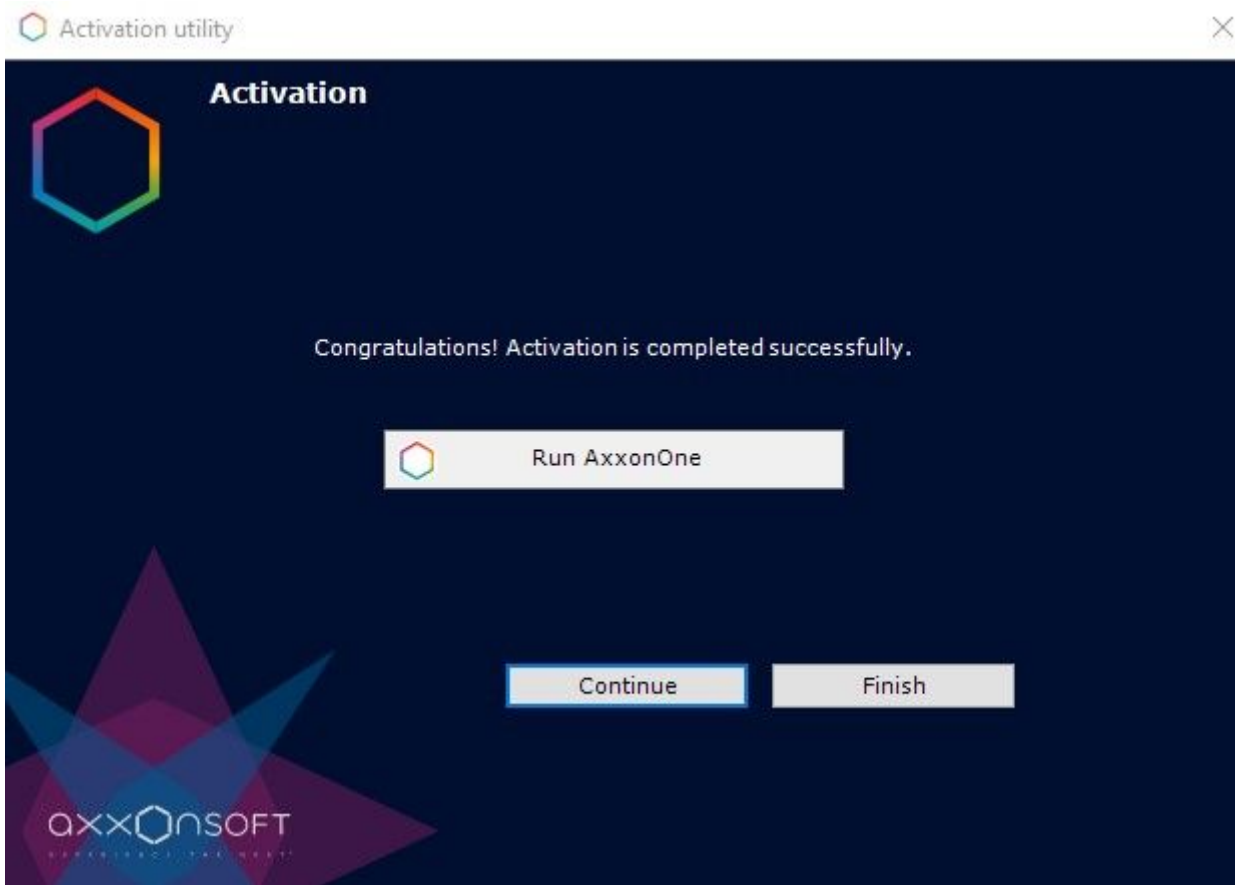
Your activation request will be sent online.



If activation is completed successfully on the *licensing service* (<https://sale.axxonsoft.com/><sup>90</sup>), the license file is automatically downloaded and distributed within the system.

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<sup>90</sup> <https://sale.axxonsoft.com/sale/>

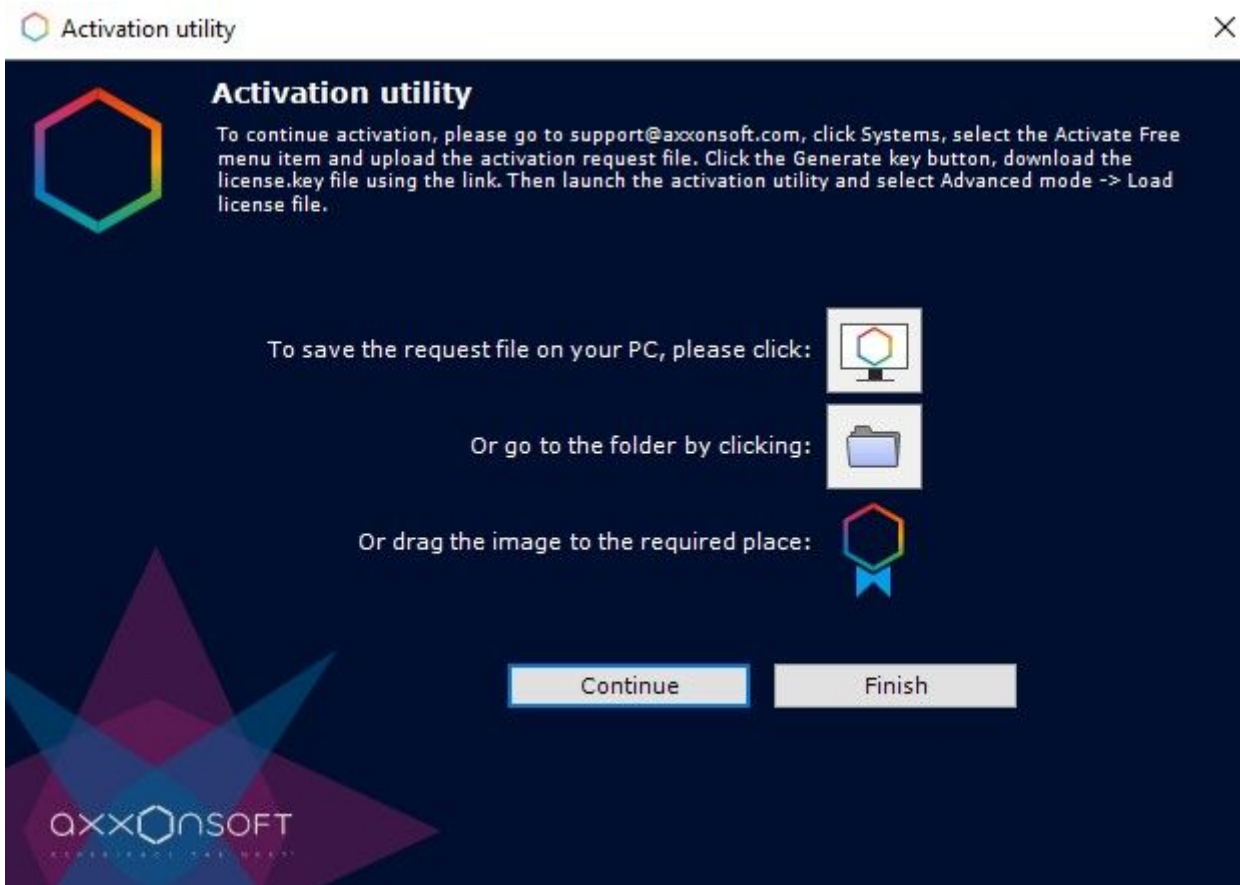





You have completed your *Axxon One* Free activation.

**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 AxxonOne**.

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 and in the standard Windows dialog window, specify the storage location and the name of the request file.
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 representative. You can also generate a license file on the *licensing service* (see [Generating license files via the web interface of the licensing service](#)(see page 53)) and then download the license file to the system (see [Activation by applying license file](#)(see page 32)).

**Attention!**

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

## 14 Activating Axxon One

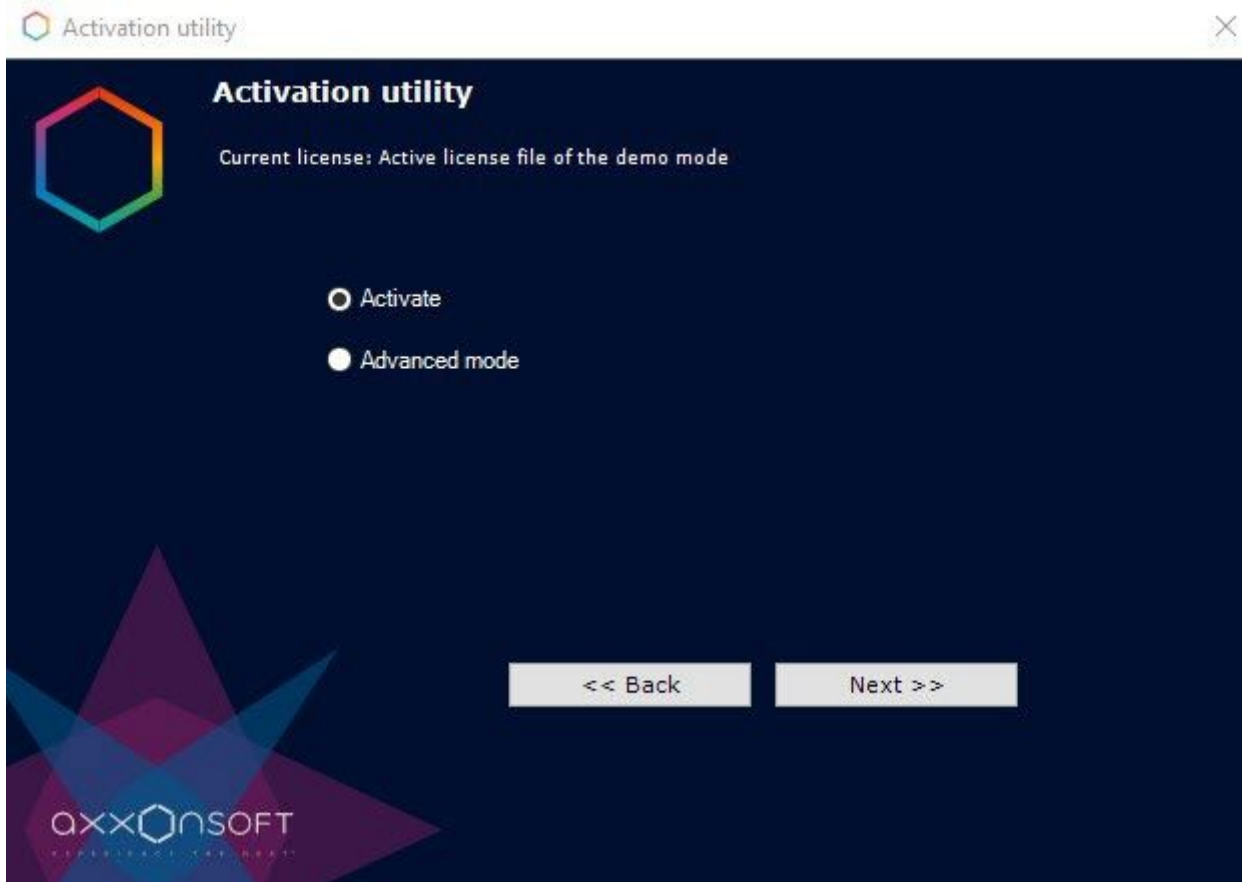
To activate your *Axxon One*, do as follows:

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.

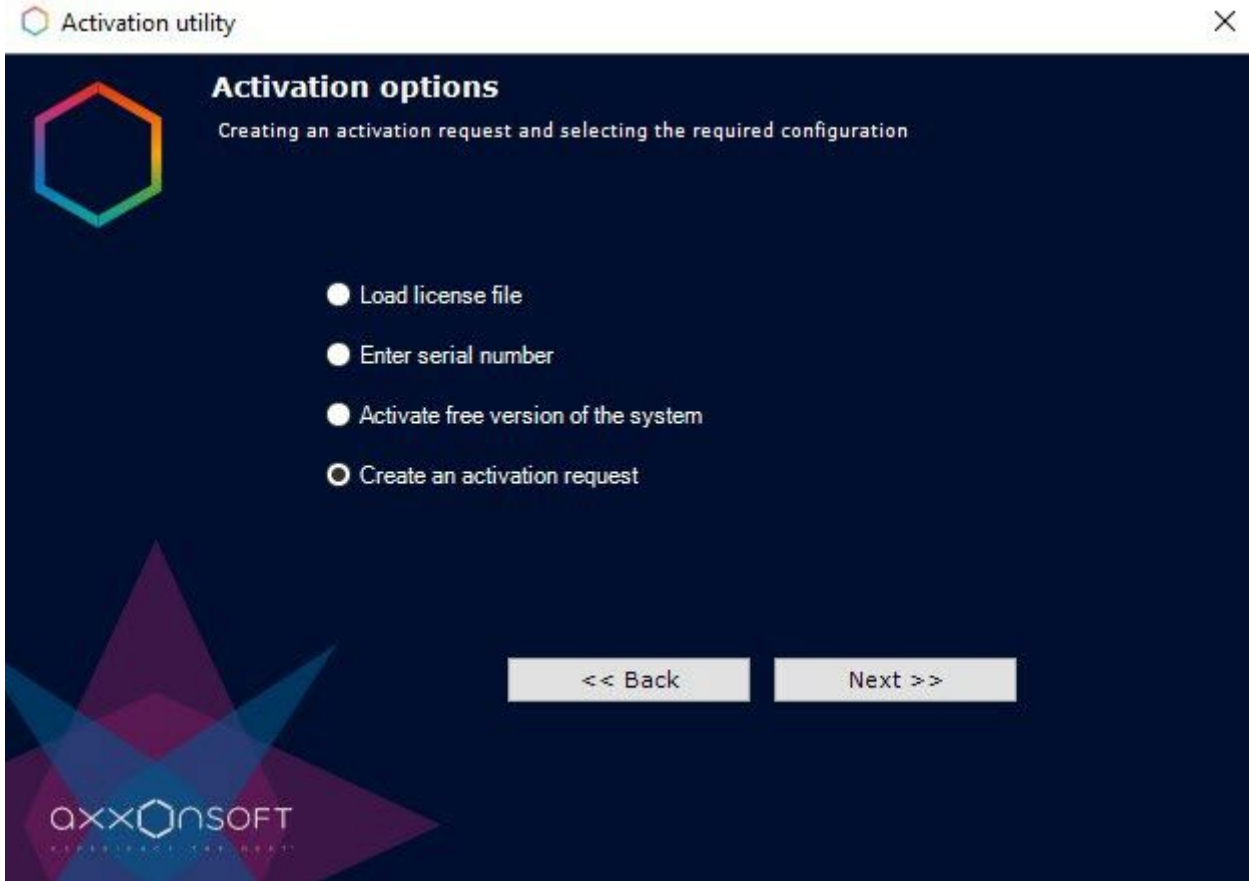
### 14.1 Creating an activation request

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.



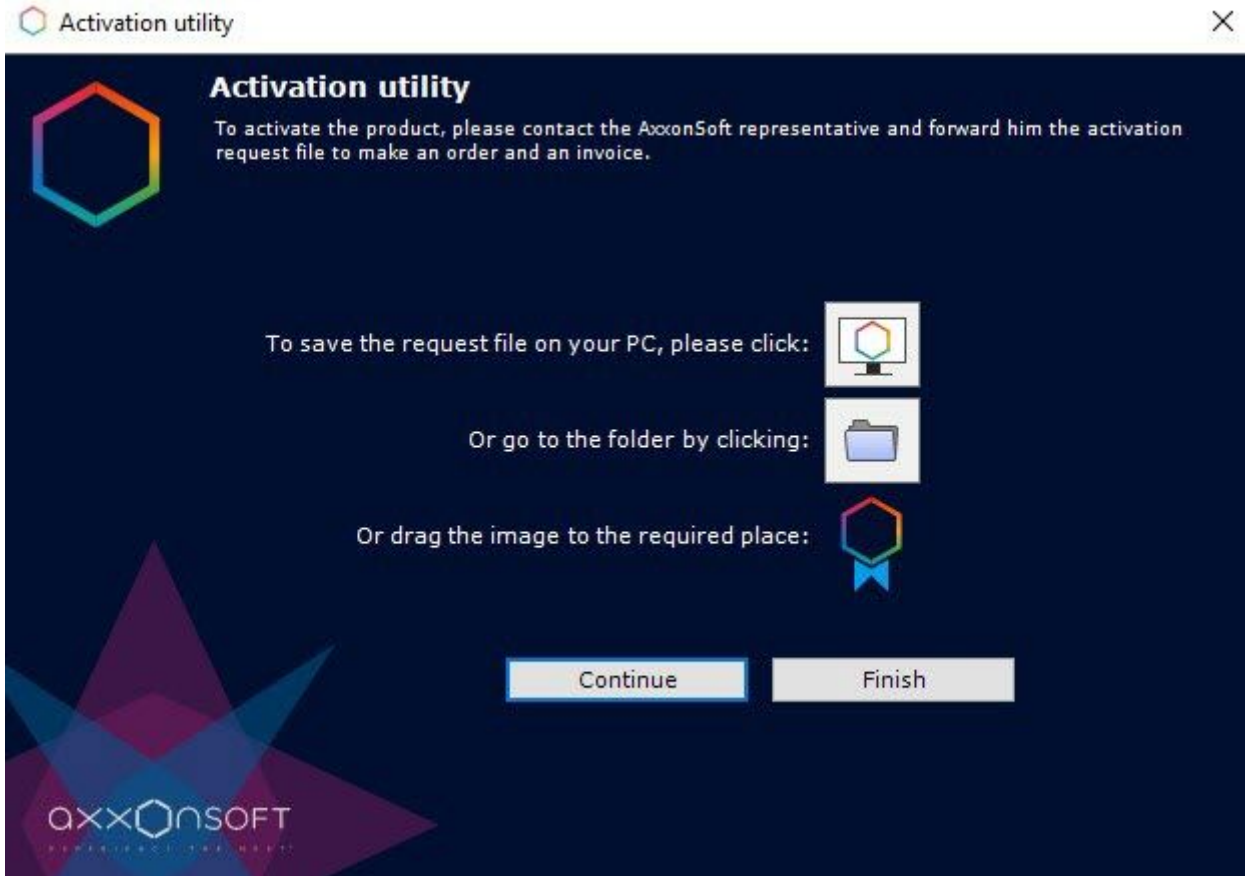
3. Select the **Create an activation request** and click the **Next** button.






**i Note**

When you create a request file, all Servers in the 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:



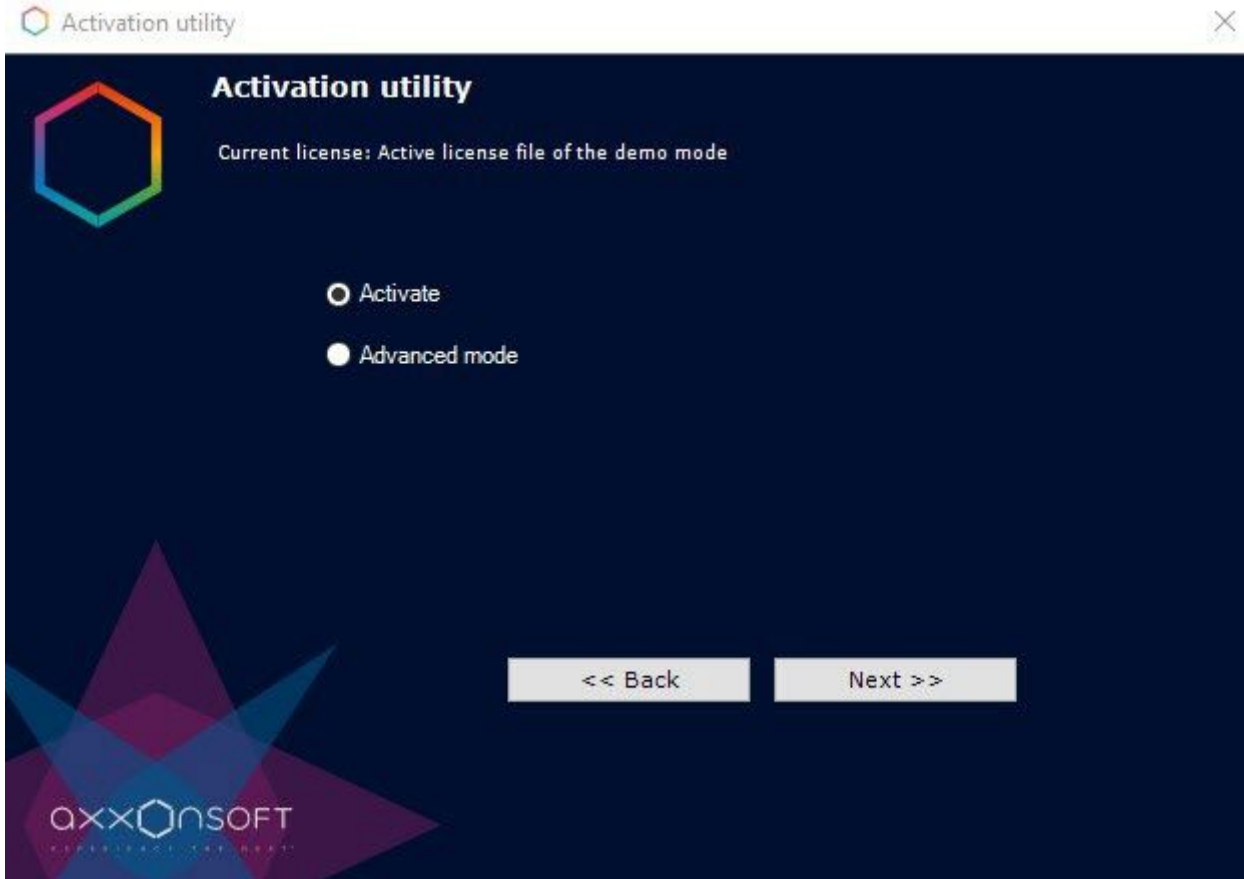
- a. Click the  button in the standard Windows dialog box to browse for file location and enter the name.
- b. Click the  button. The folder that contains the request file opens.
- c. Drag and drop the  image to the destination folder.

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

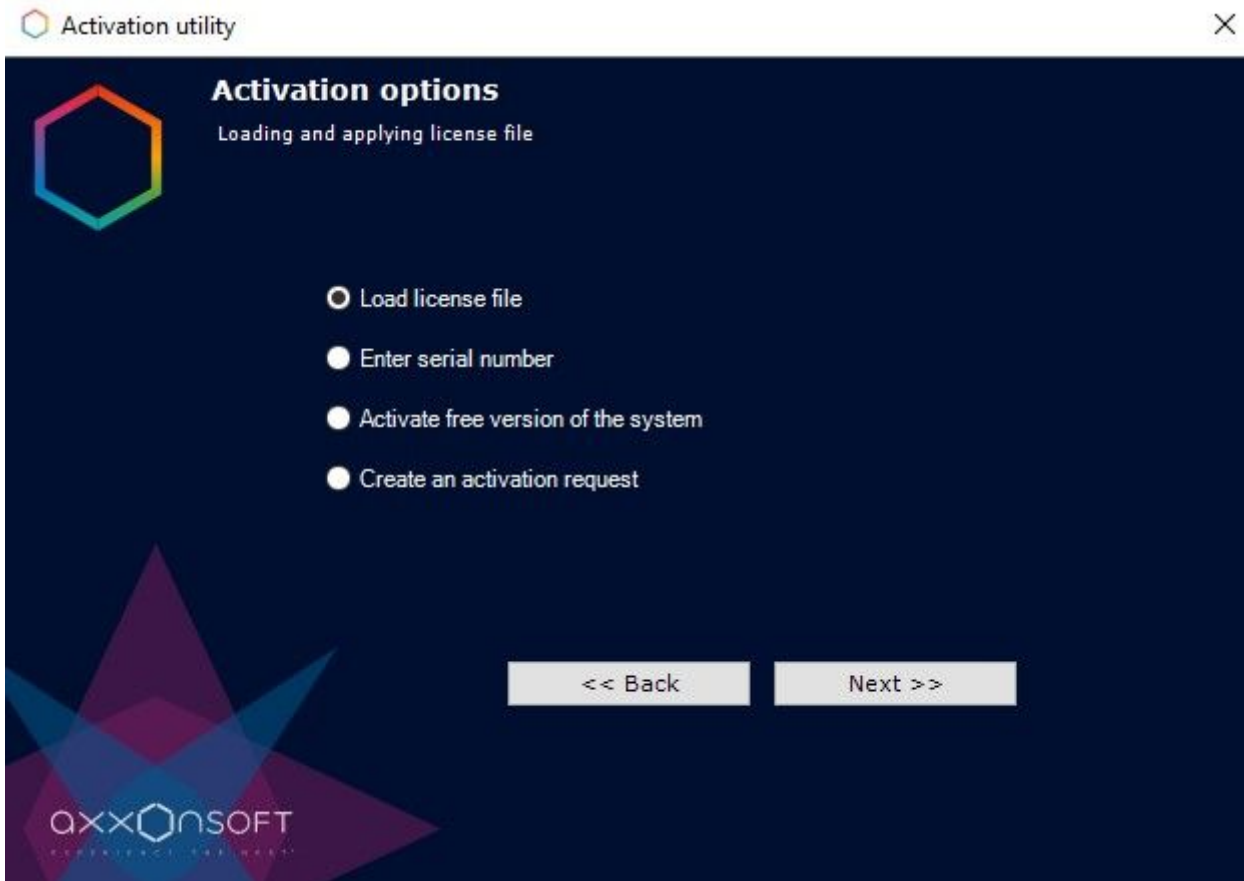
## 14.2 Activation by applying license file

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

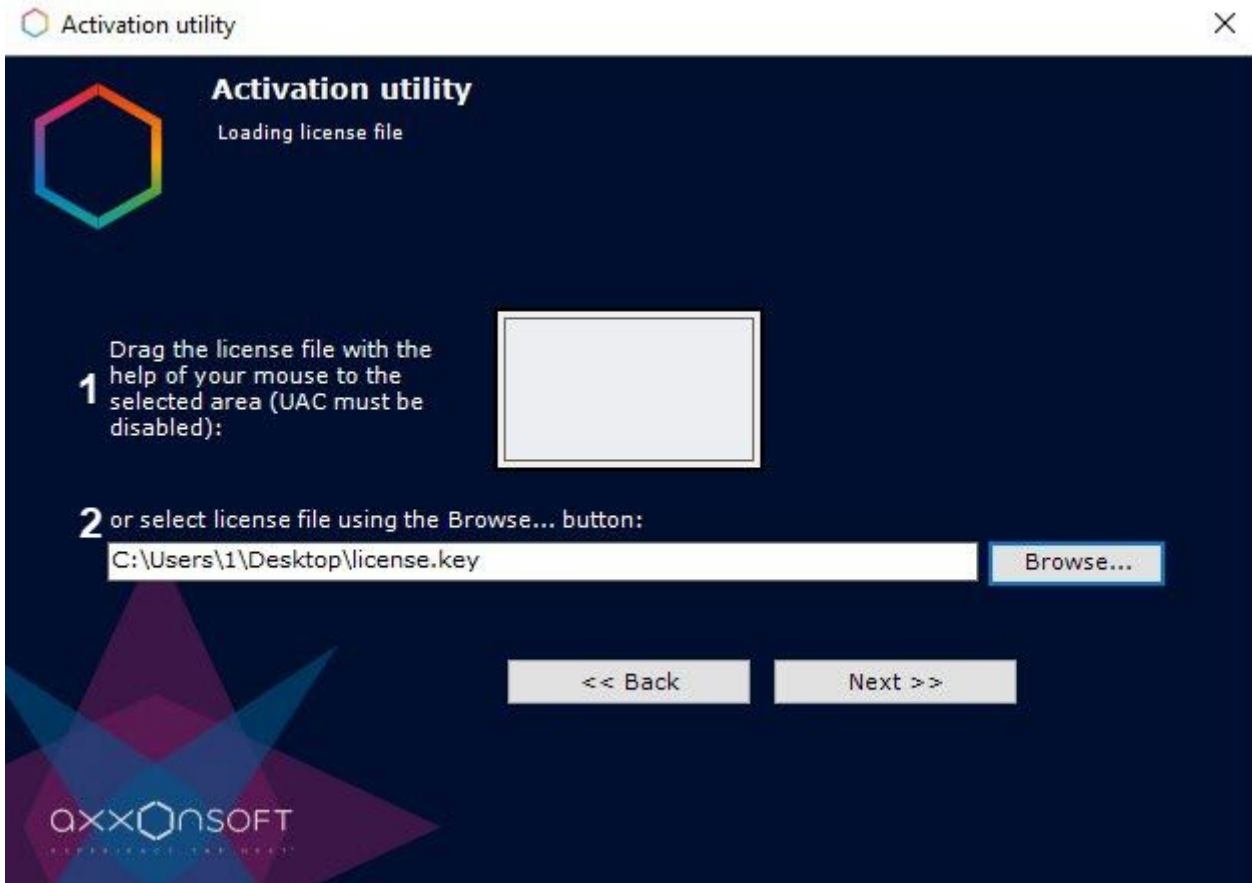
1. On the main page of the activation utility, select **Activate** and click **Next**.



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



- Load the license file using one of the following methods:



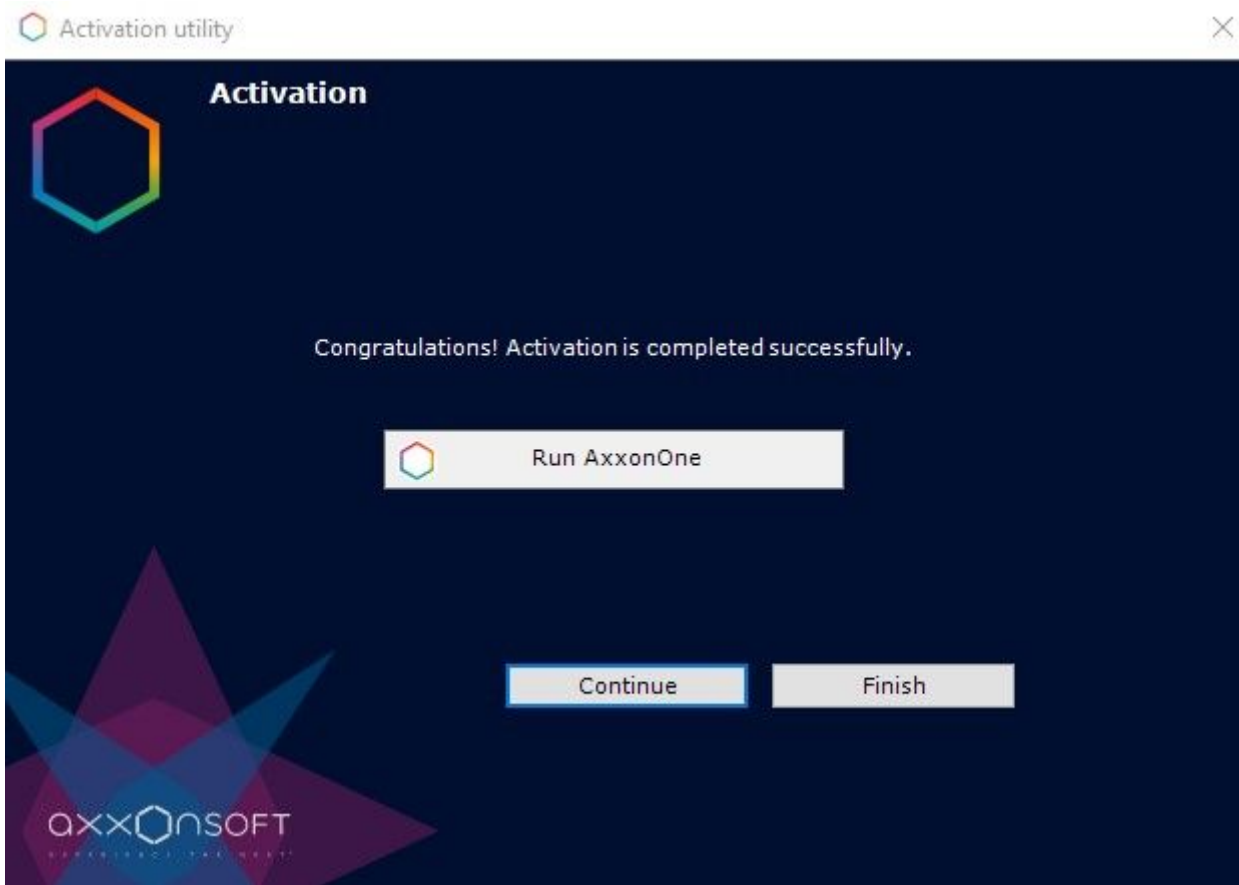
- drag and drop the license file to the selected area (1),
  - click the **Browse...** button and select a license file (2).
- Click the **Next** button.

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.

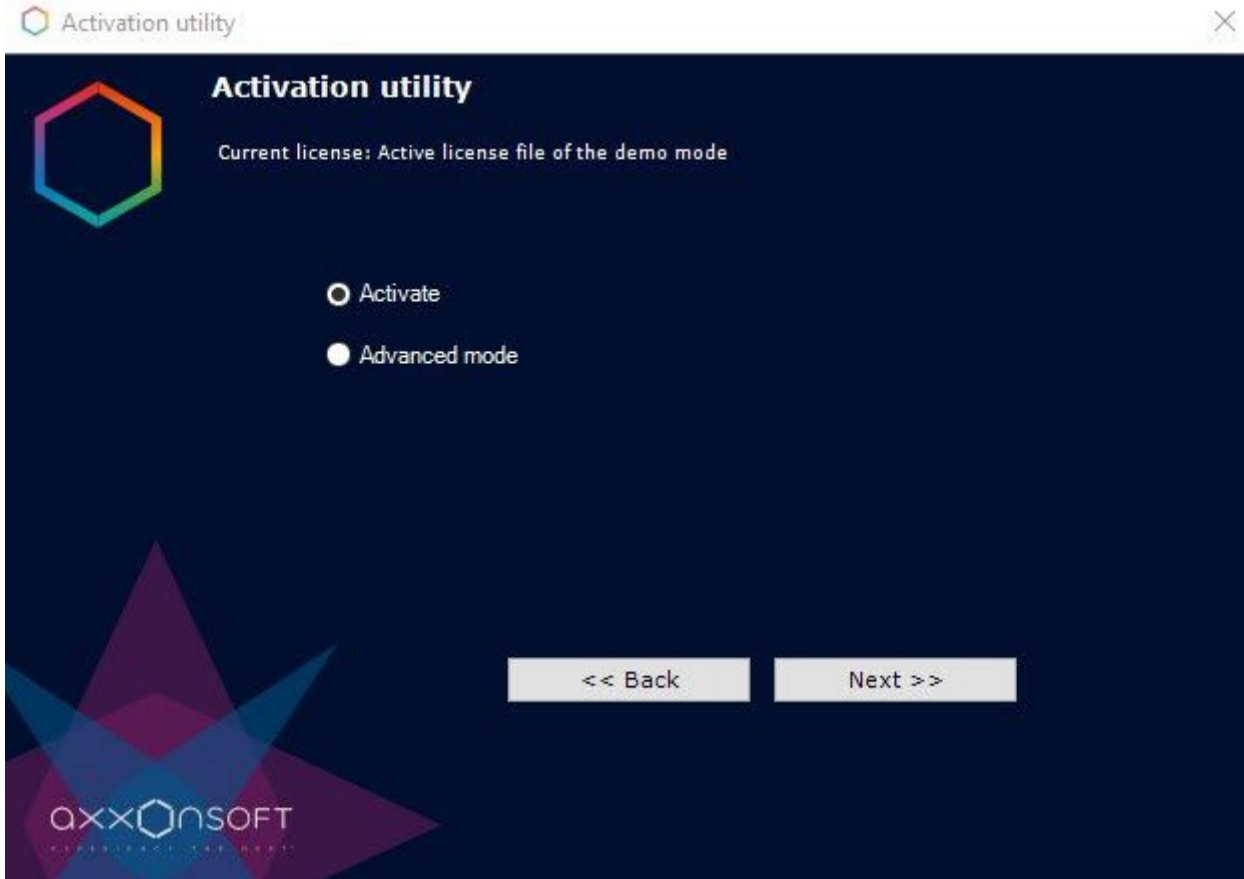
**Note**

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**.

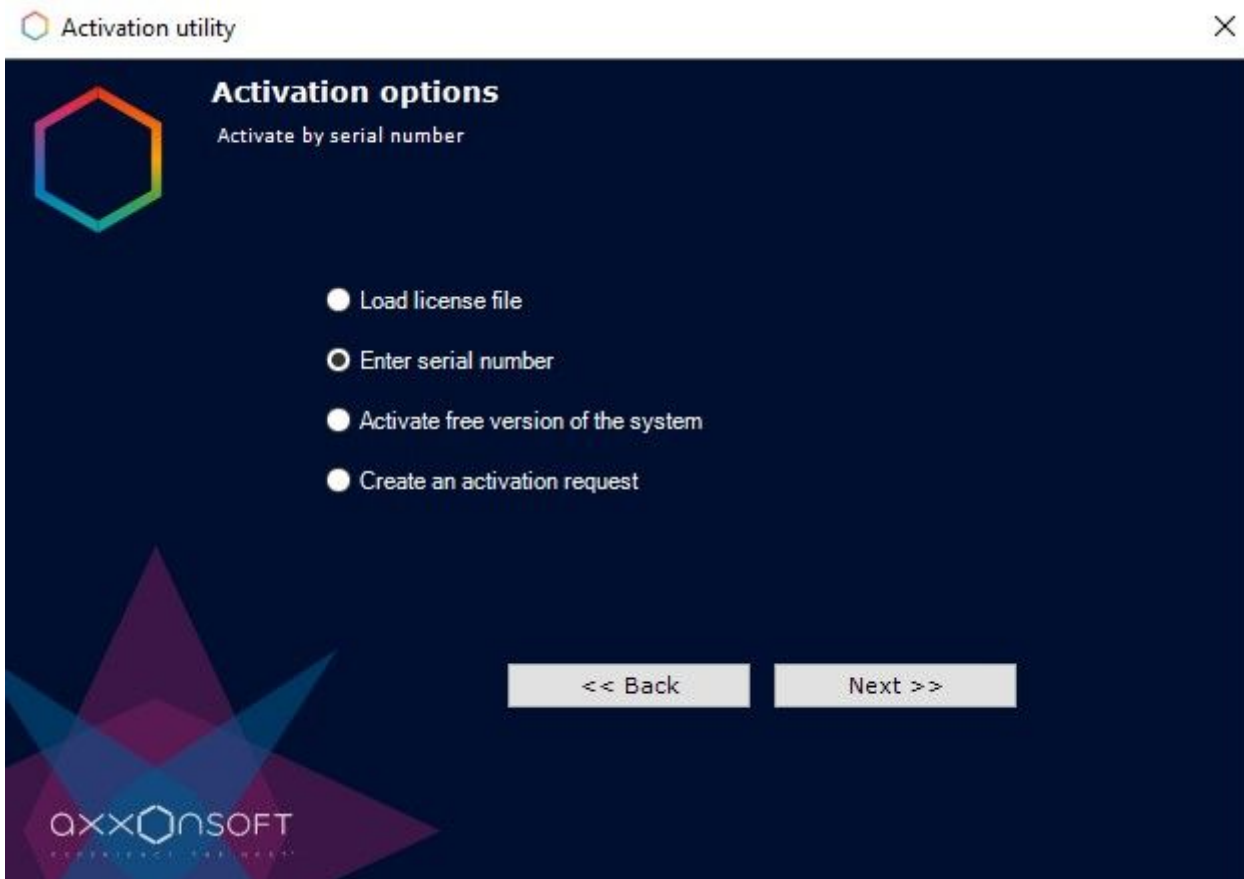
### 14.3 Activation with serial number

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

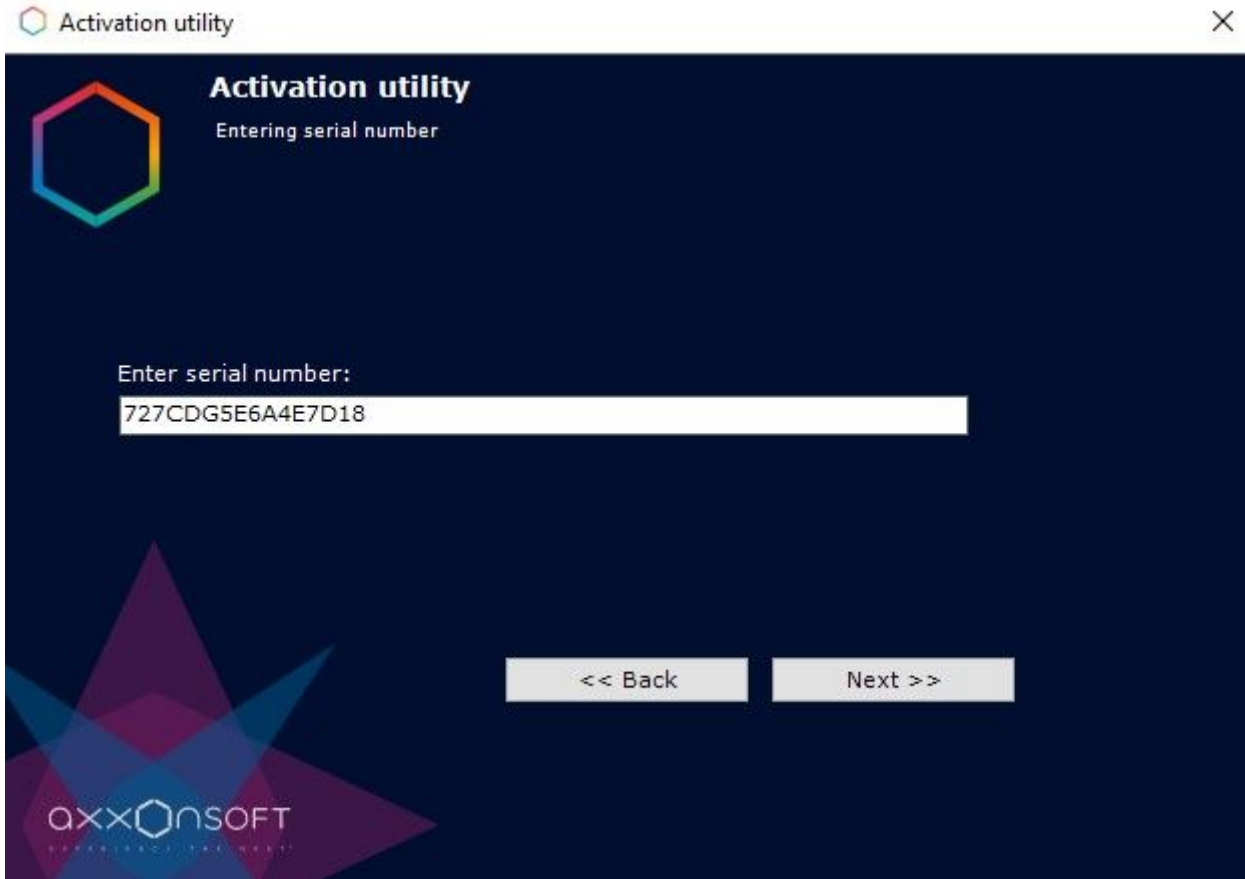
1. On the main page of the activation utility, select **Activate** and click **Next**.



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 opens that shows the maximum number of modules for activation (see [Creating an activation request](#)(see page 30)). By default, the modules are divided equally between the Servers.

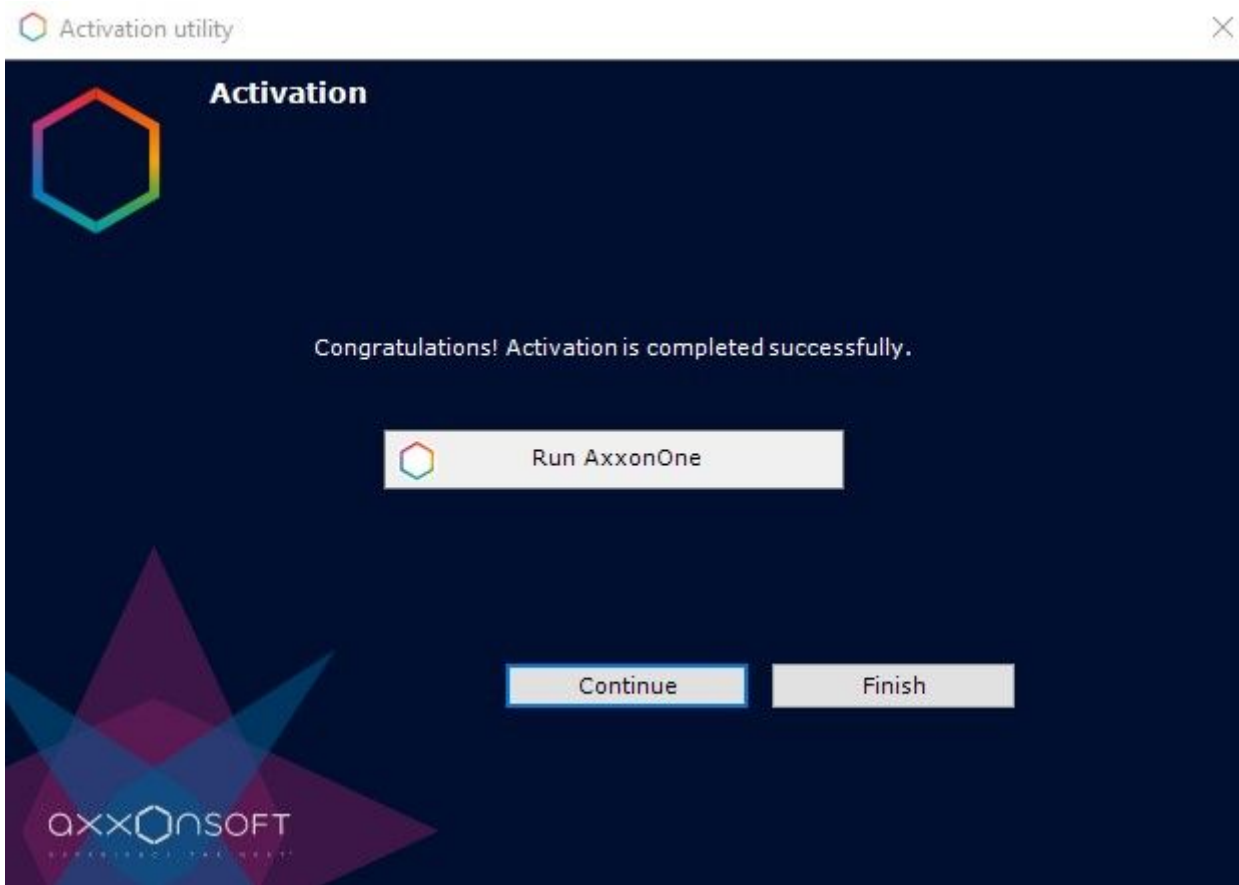
**⚠ Attention!**

If there is only one computer in the license file and domain, all purchased modules are automatically activated on it.

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

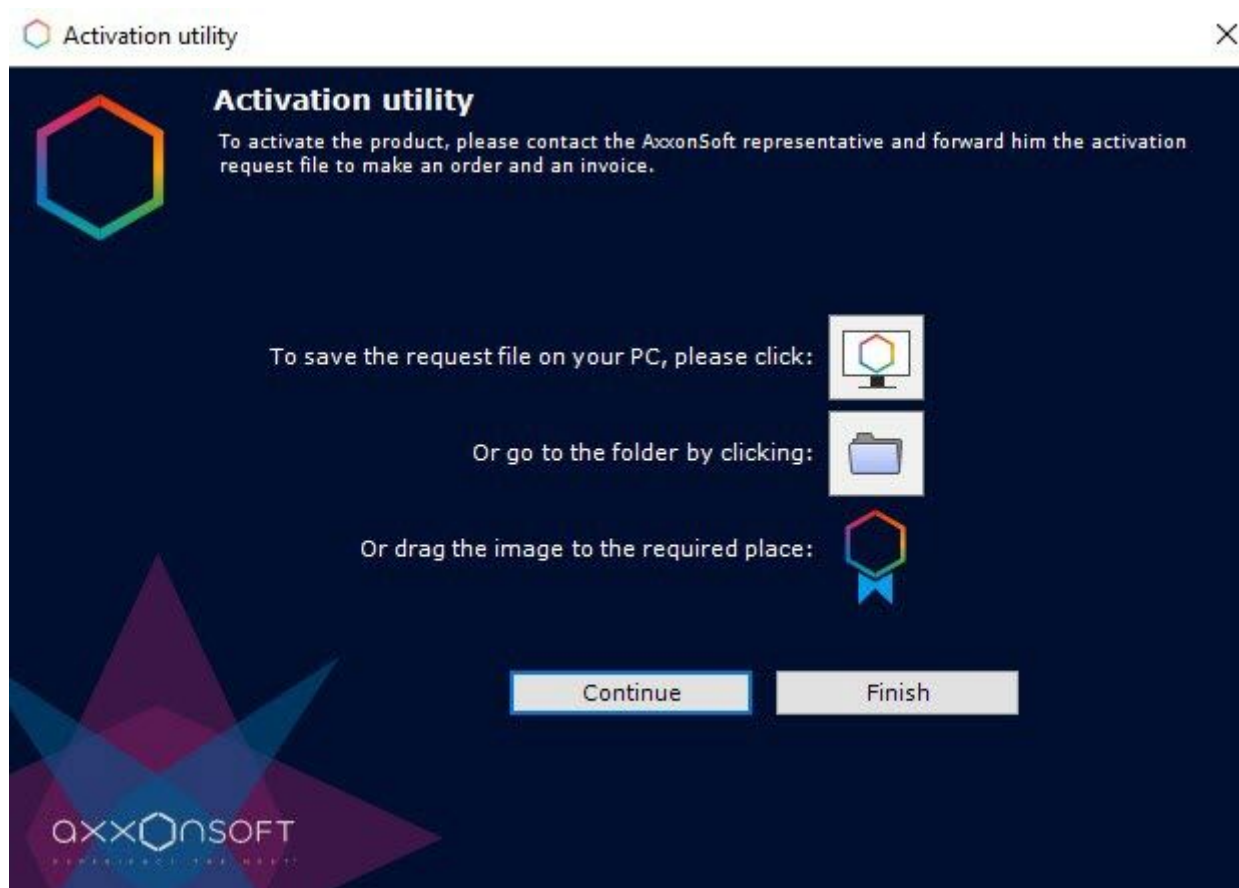
Your activation request will be sent online.




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



You have activated *Axxon One*. 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 AxxonOne**.

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 and in the standard Windows dialog window, specify the storage location and the name of the request file.
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 representative. You can also generate a license file on the *licensing service* (see [Generating license files via the web interface of the licensing service](#)(see page 53)) and then download the license file to the system (see [Activation by applying license file](#)(see page 32)).

**Attention!**

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

## 14.4 Activation using Guardant dongle

Protected programs and all utilities that access the dongle require Guardant drivers.

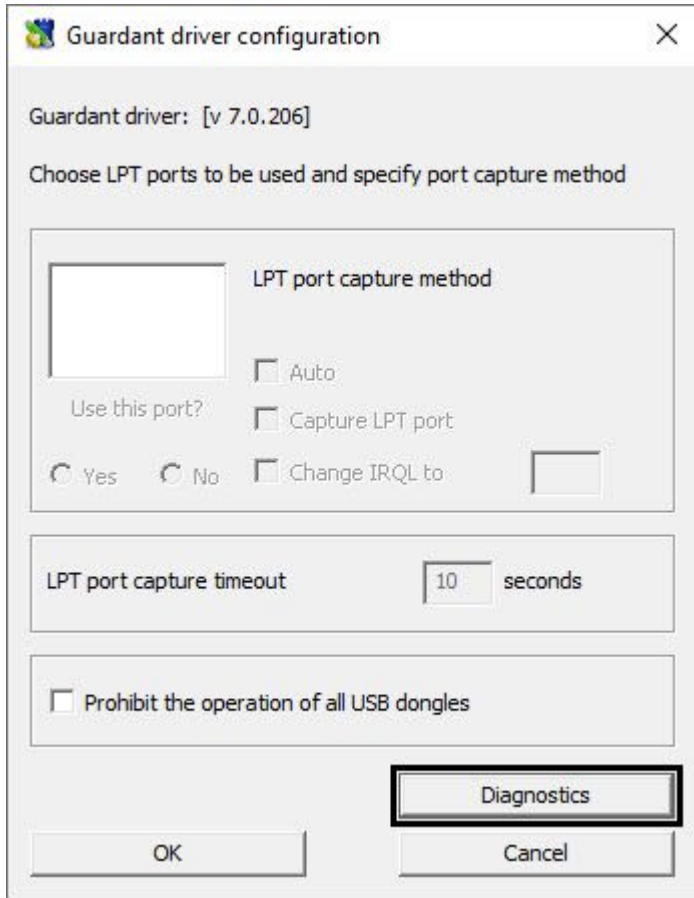
The Guardant dongle is a USB device with a key model embossed on its body.

To activate a Guardant dongle, refer to the official [Guardant documentation](#)<sup>91</sup>.

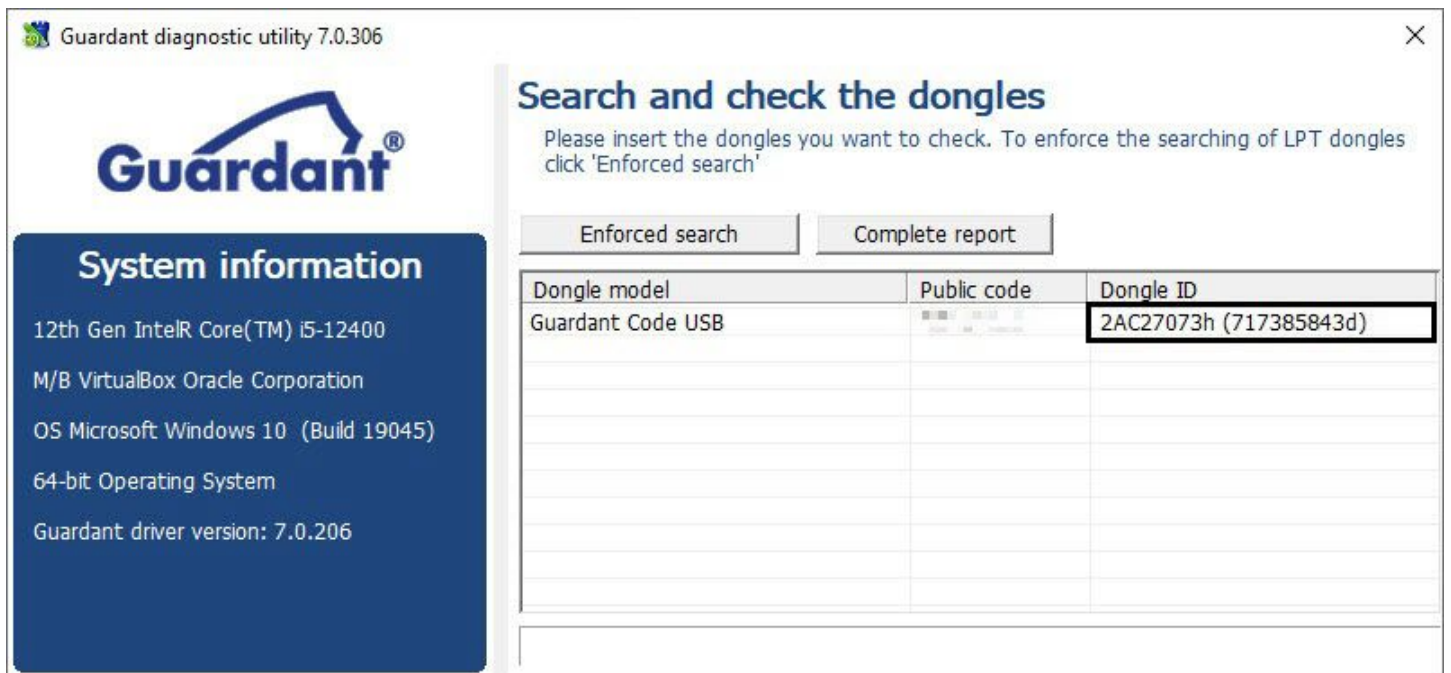
<sup>91</sup> <https://dev.guardant.com/display/PUB/Guardant+Doc+Home+Page>

To view the Guardant dongles information in the Windows OS, go to **Start → Control Panel → System and Security → Guardant drivers** tab.

In the **Guardant driver configuration** window that opens, click the **Diagnostics** button.



The **Guardant diagnostics utility** window that opens displays the information about the installed Guardant dongles, for instance, the dongle ID.



## 15 Upgrading Axxon One

To upgrade *Axxon One*, do as follows:

1. Deactivate your license (see [Deactivating a license](#)(see page 43)).
2. Generate an activation request (see [Creating an activation request](#)(see page 30)). Proceed with payment.
3. Activate your purchased license (see [Activation by applying license file](#)(see page 32), [Activation with serial number](#)(see page 35)).

 **Note**

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

## 16 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:

- *Axxon One* is licensed with a license file and Guardant dongle binding;
- the type of *Axxon One* installation is **Server and Client**;

### Attention!

This manual isn't relevant for the **FailOver Server and Client** installation type.

- the name of the new *Axxon One* Server is the same as the name of the old Server;
- the product version (up to and including the build number) on which the backup was made matches the version on the new computer.

To transfer a license, do the following:

1. Save the license file (see [Saving the license file](#)(see page 46)).
2. Use the Backup and restore utility to back up the configuration (see [Backup and restore utility](#)<sup>92</sup>).
3. Copy the folder with the configuration backup.
4. Uninstall *Axxon One* on an old computer (see [Removal](#)<sup>93</sup>).
5. Install the same version of *Axxon One* on a new computer as the version that was installed on an old computer (see [Installation](#)<sup>94</sup>).
6. Insert the Guardant dongle into a new computer.
7. Use the Backup and restore utility to restore a configuration backup from an old computer (see [Backup and restore utility](#)<sup>95</sup>).
8. Restart all *Axxon One* Servers (see [Starting and stopping Axxon One software](#)<sup>96</sup>).

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

<sup>92</sup> <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486695/Backup+and+restore+utility>

<sup>93</sup> <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484162/Removal>

<sup>94</sup> <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484136/Installation>

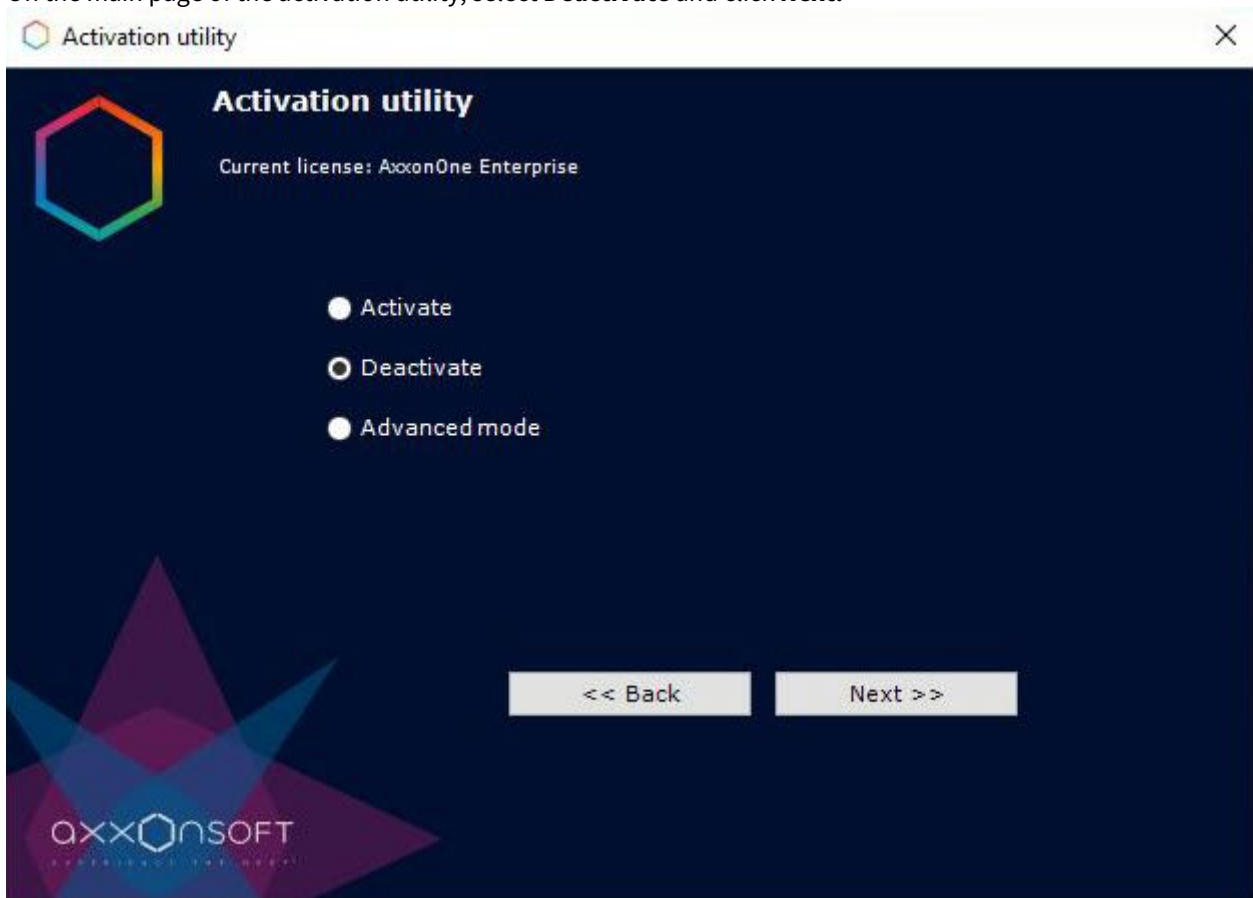
<sup>95</sup> <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486695/Backup+and+restore+utility>

<sup>96</sup> <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484184/Starting+and+stopping+Axxon+One+software>

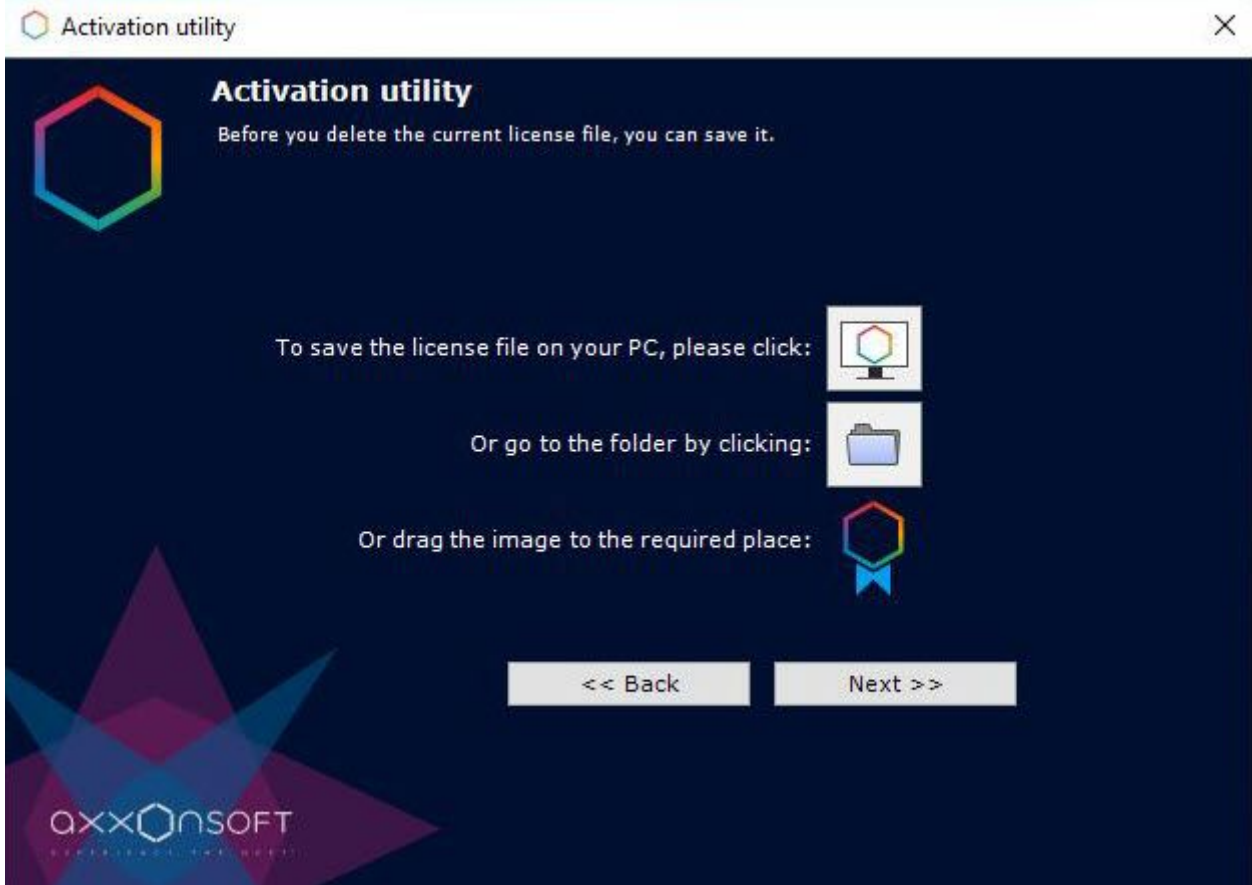
## 17 Deactivating a license

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

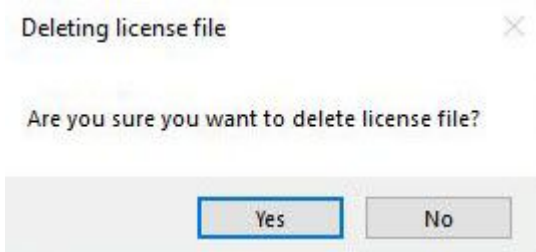
1. On the main page of the activation utility, select **Deactivate** and click **Next**.



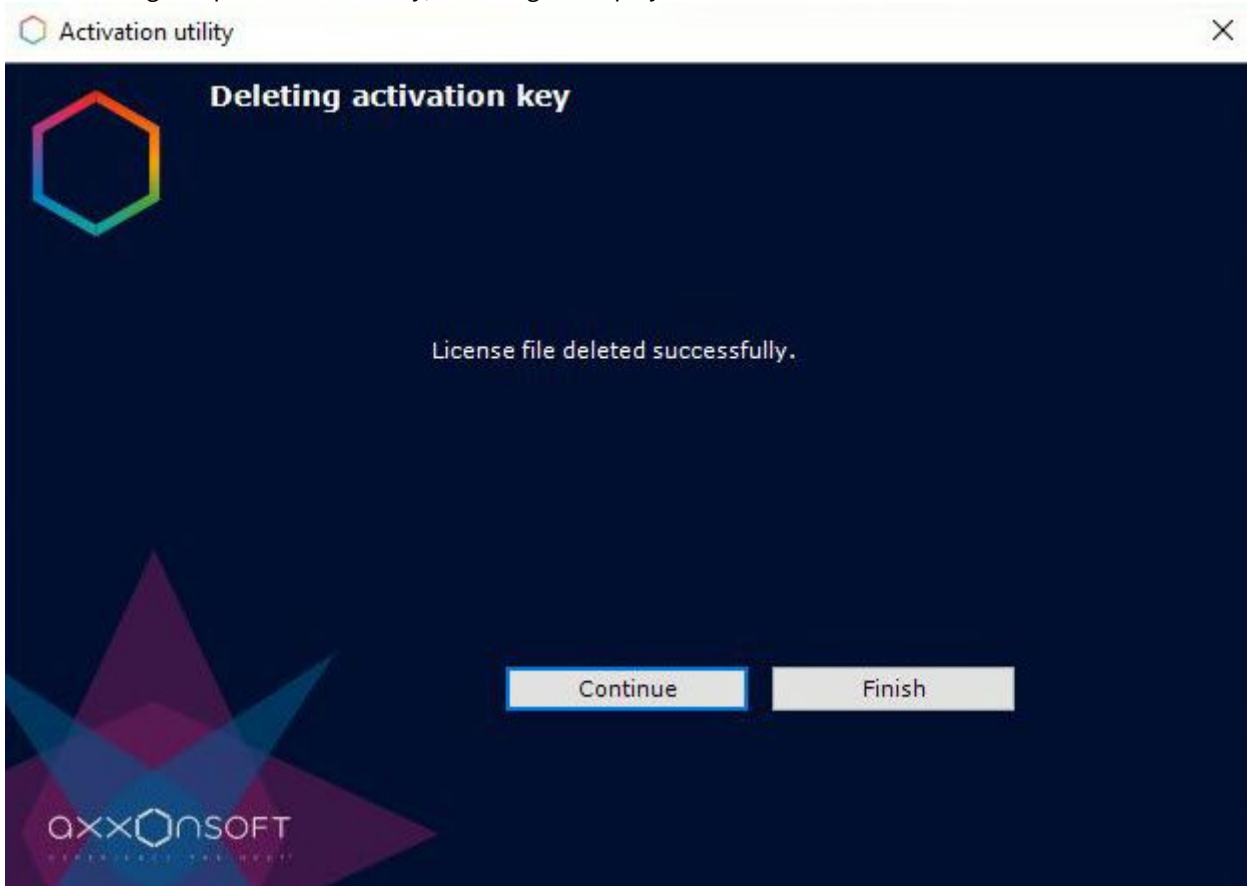
2. You can save the activation request file using any one of the methods prompted on the screen. Click the **Next** button.



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!**

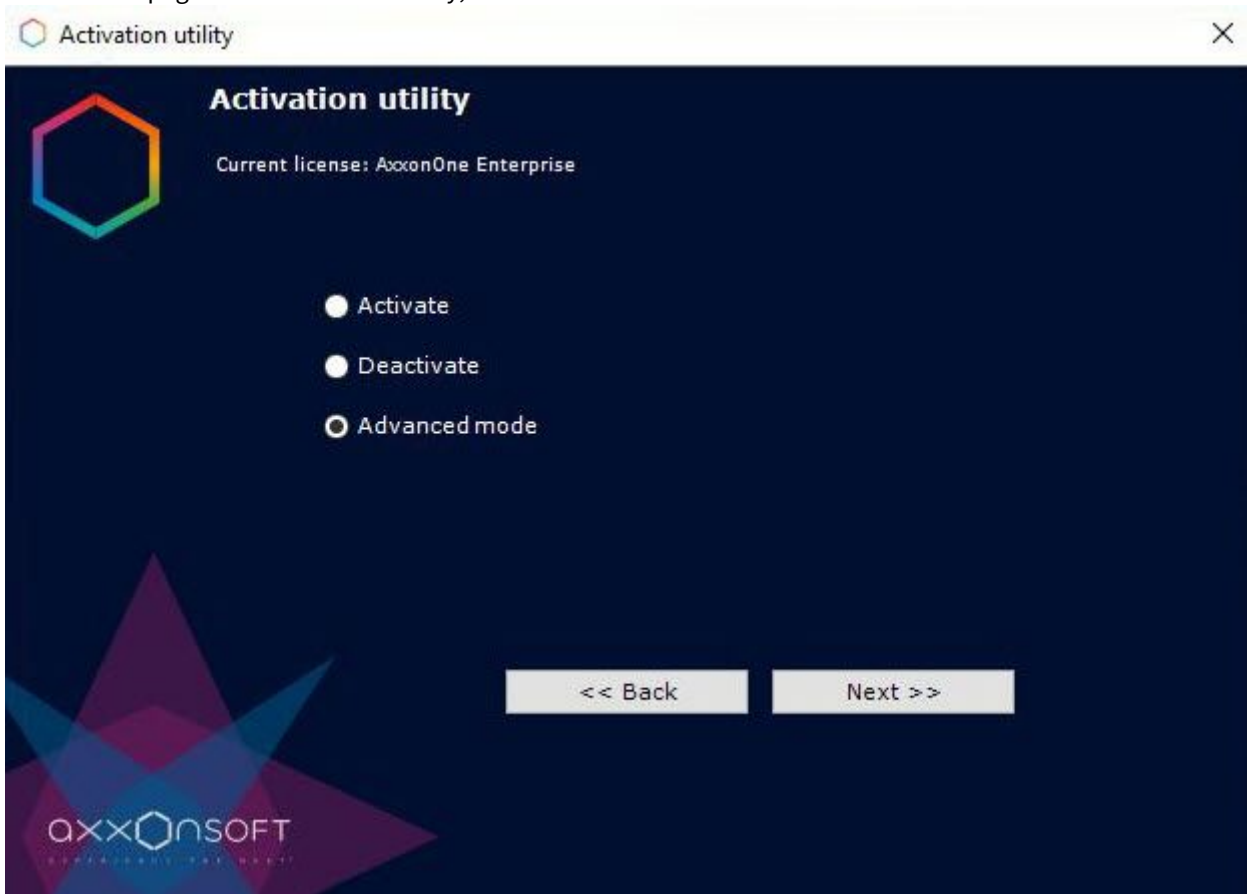
The *Axxon One* Server must be restarted after deactivation.

## 18 Additional license utility actions

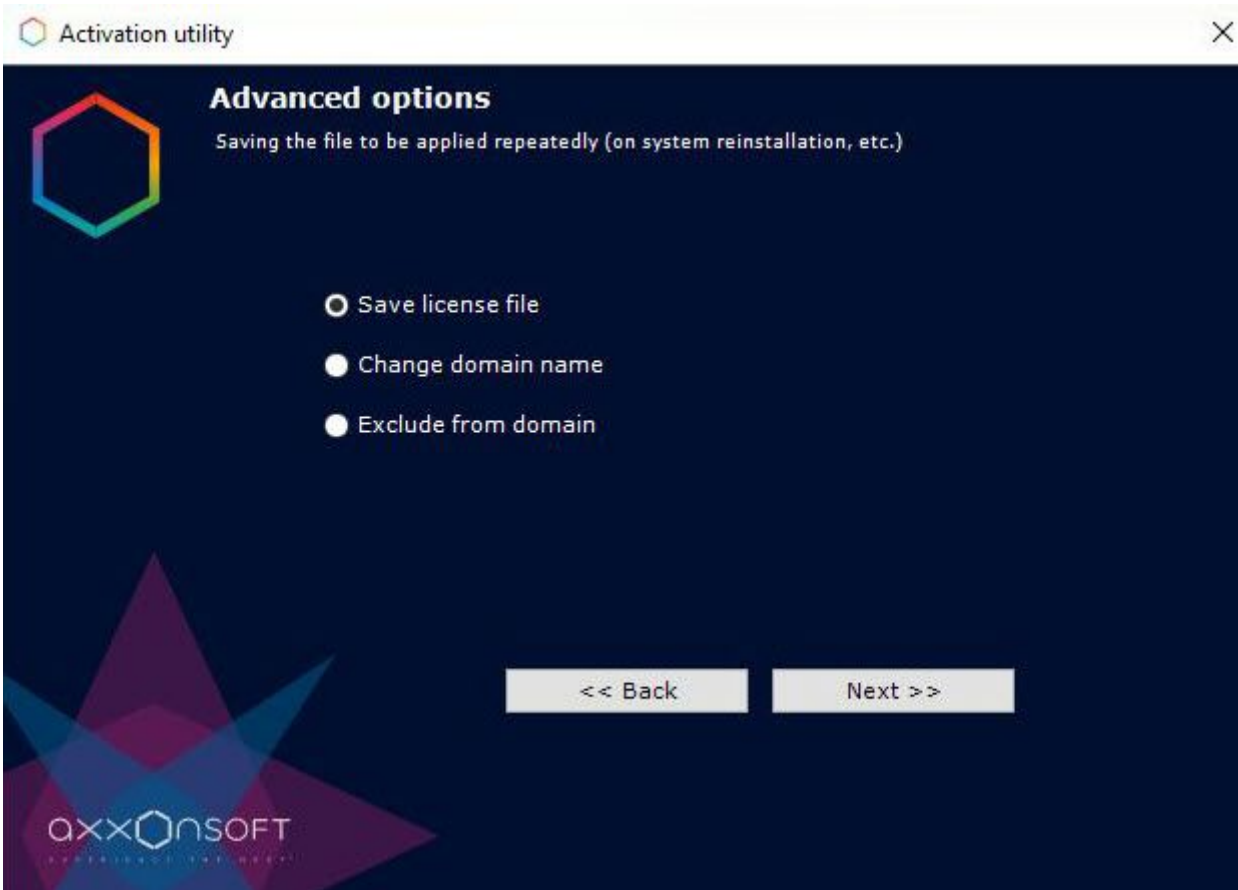
### 18.1 Saving the license file

To save the license file, follow these steps:

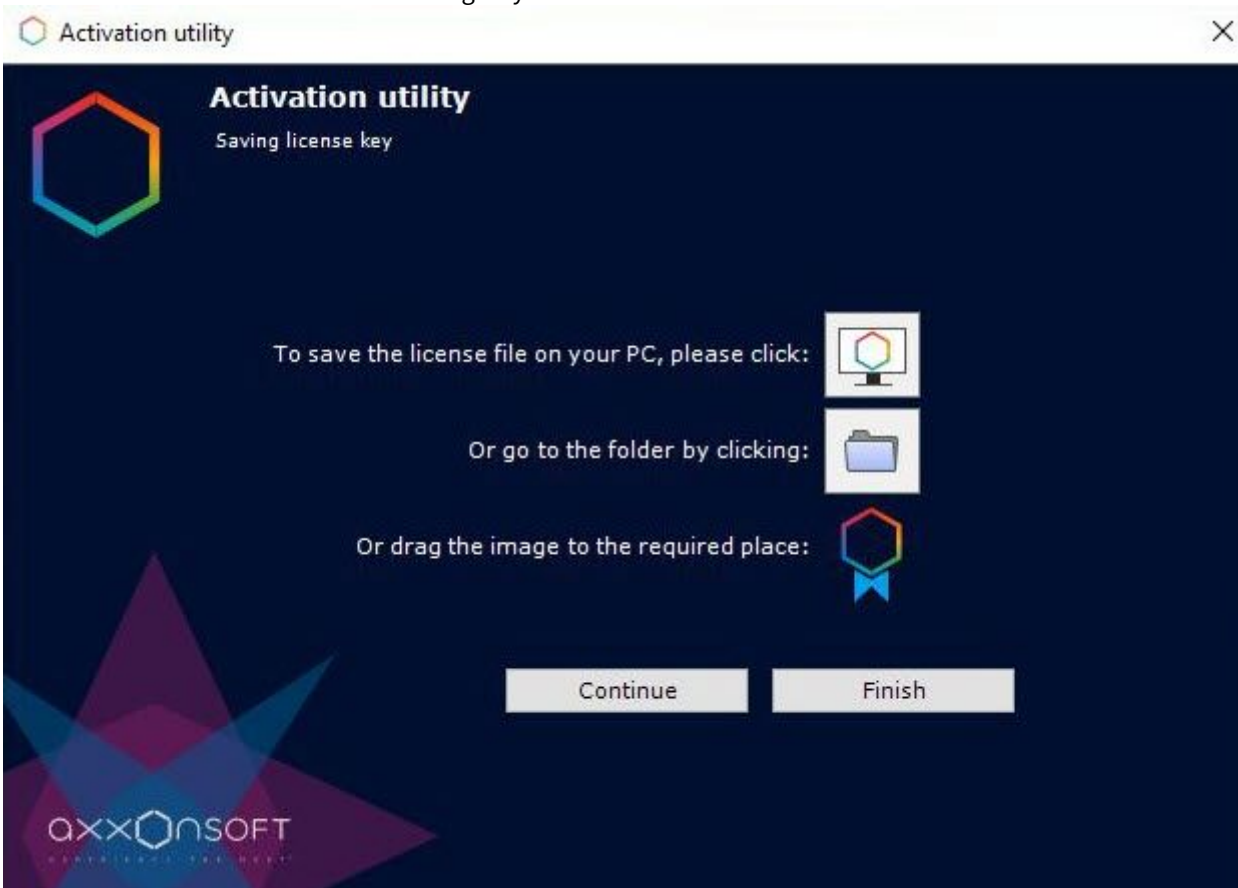
1. On the main page of the activation utility, select **Advanced mode** and click the **Next** button.






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.

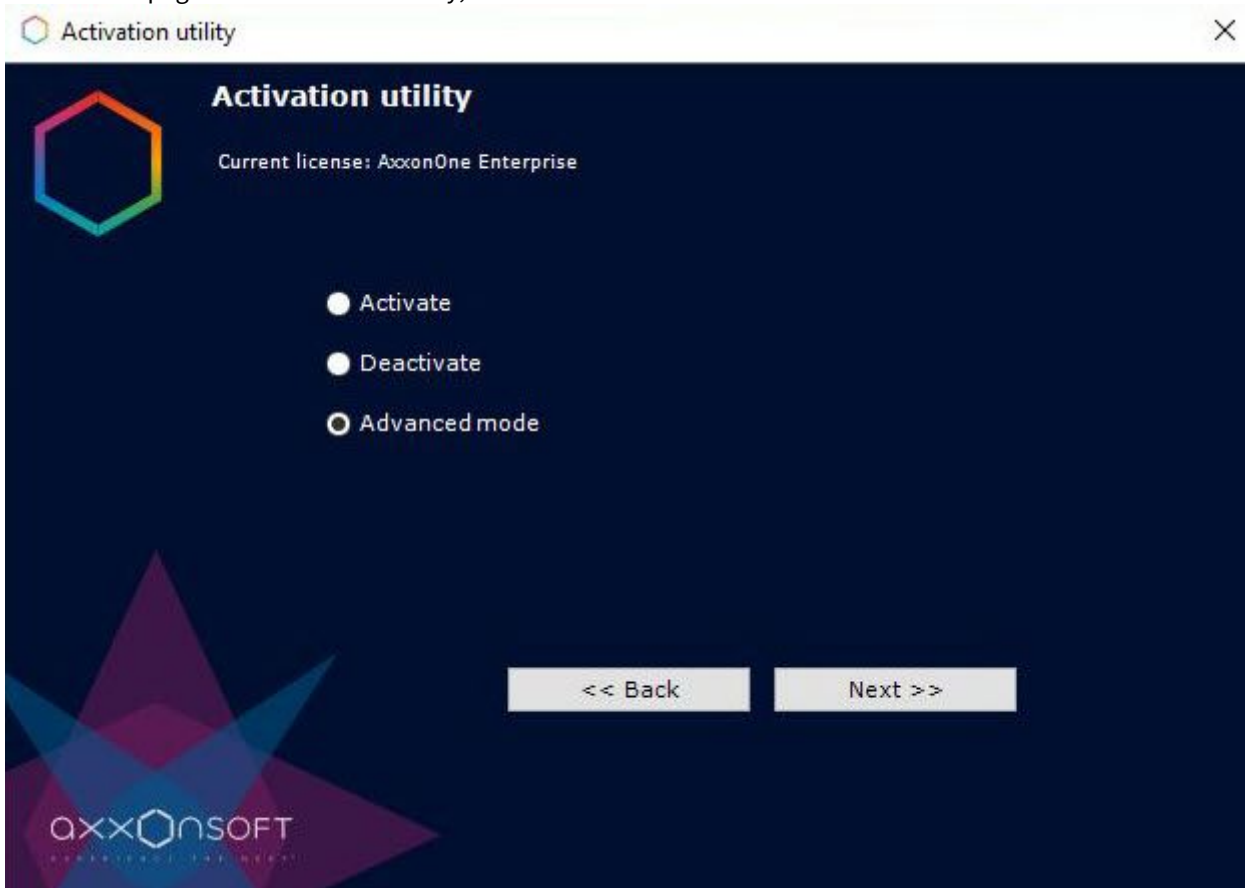
Saving the license file is complete.

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

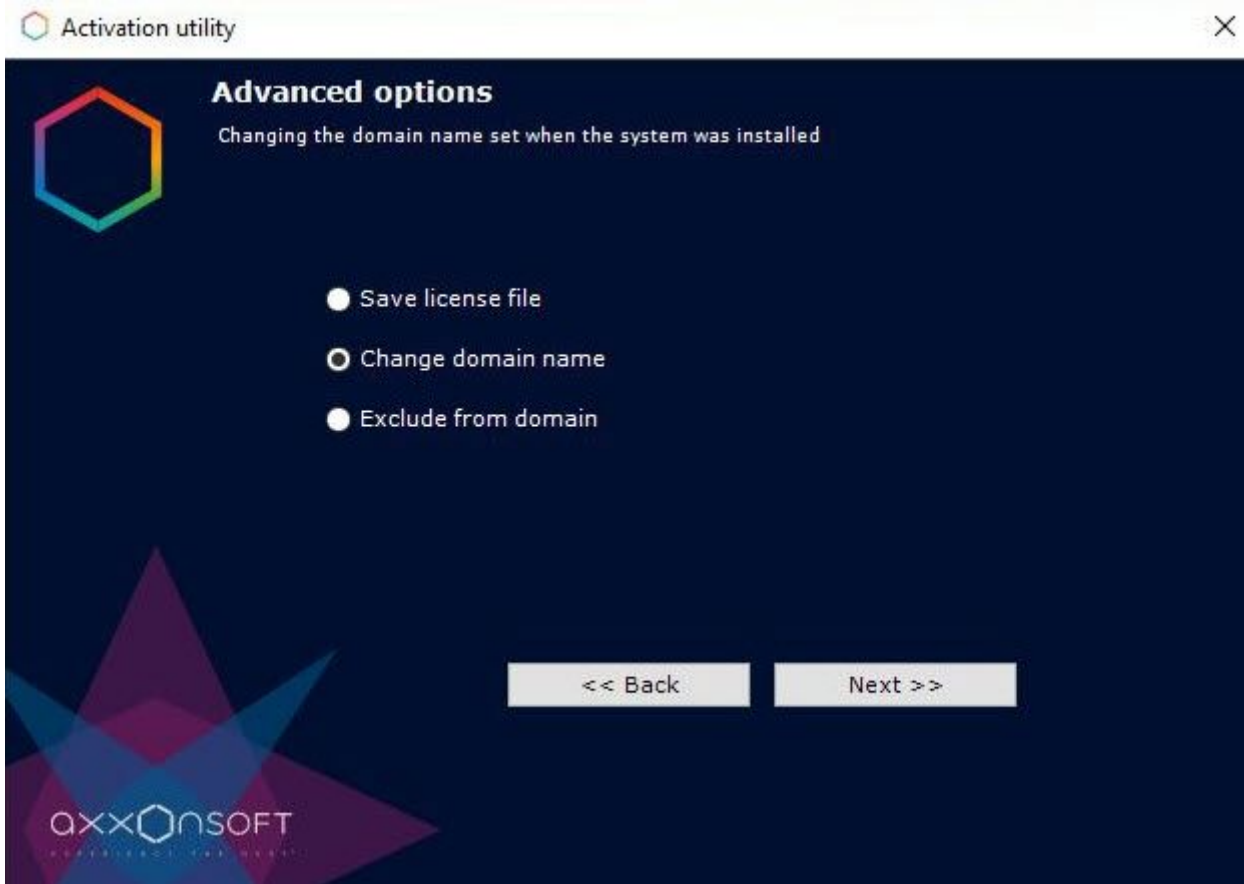
## 18.2 Changing the domain name

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

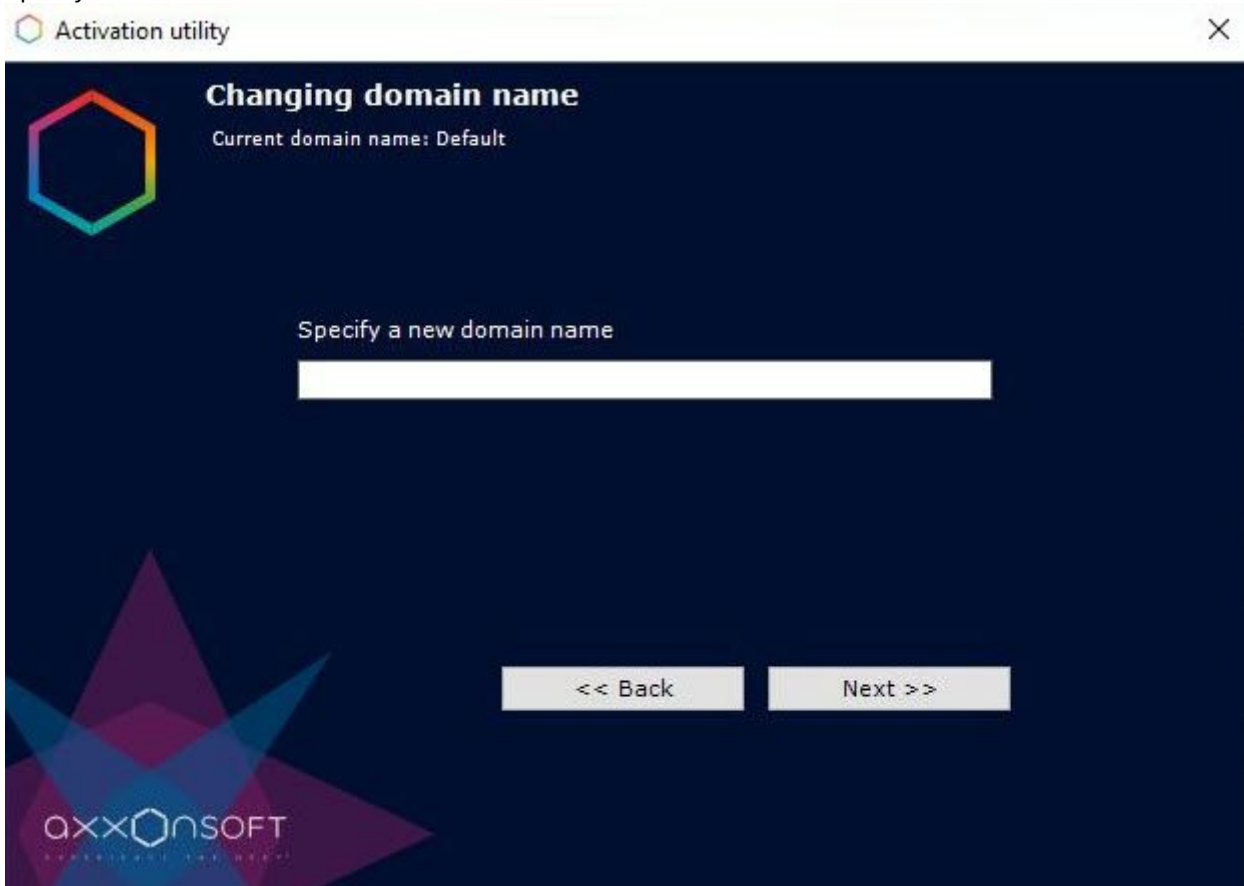
1. On the main page of the activation utility, select **Advanced mode** and click the **Next** button.



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



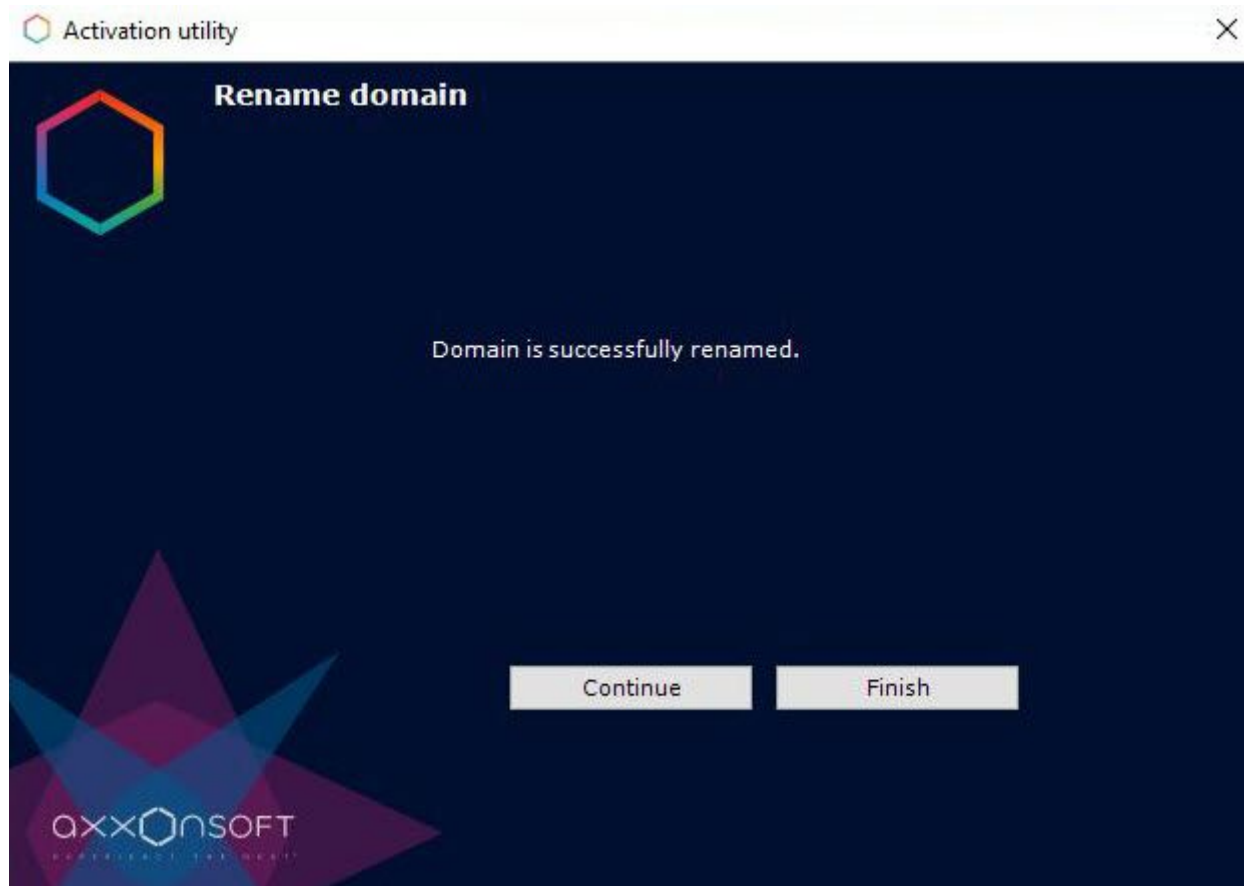
3. Specify the new domain name and click **Next**.



**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.

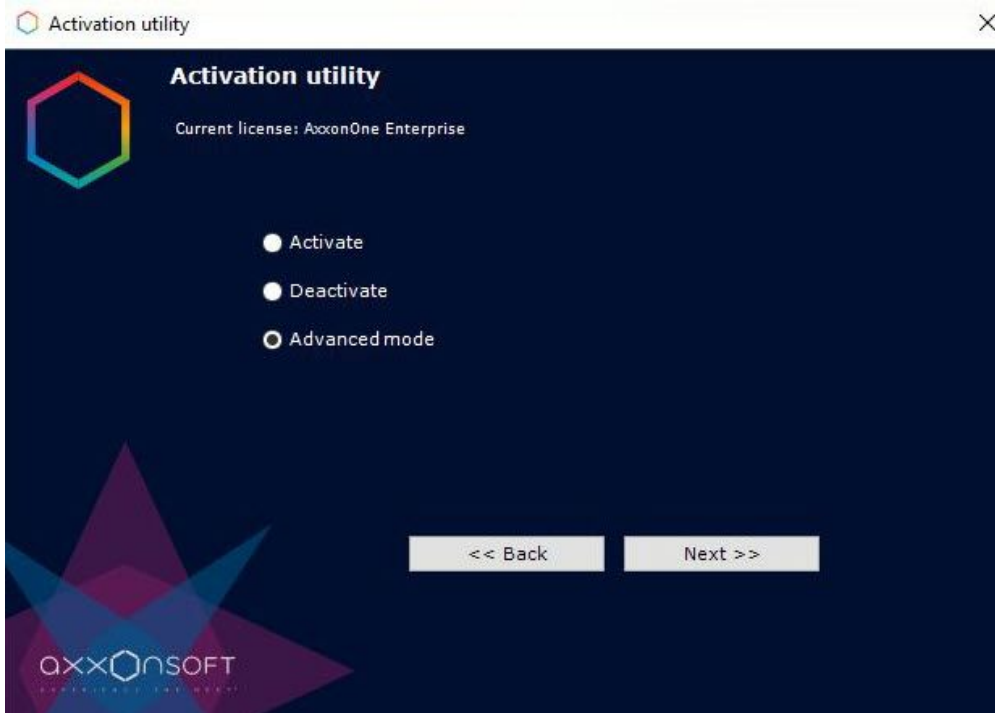


To return to the Home page of the activation utility, click **Continue**, to exit it – click **Finish**.

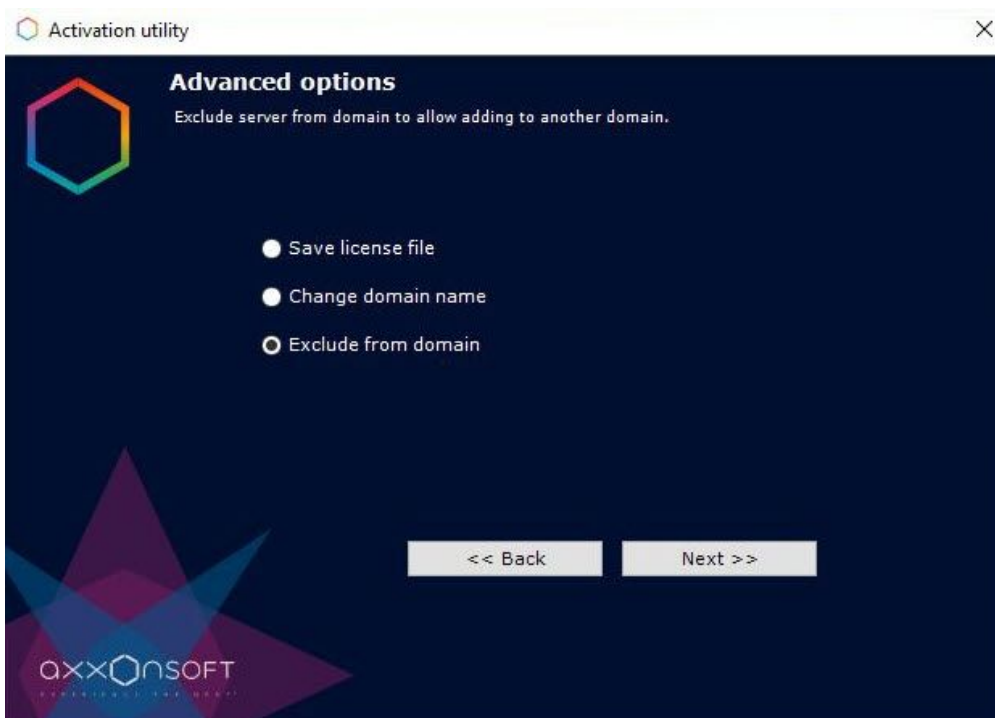
### 18.3 Excluding the Current Server from an domain

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

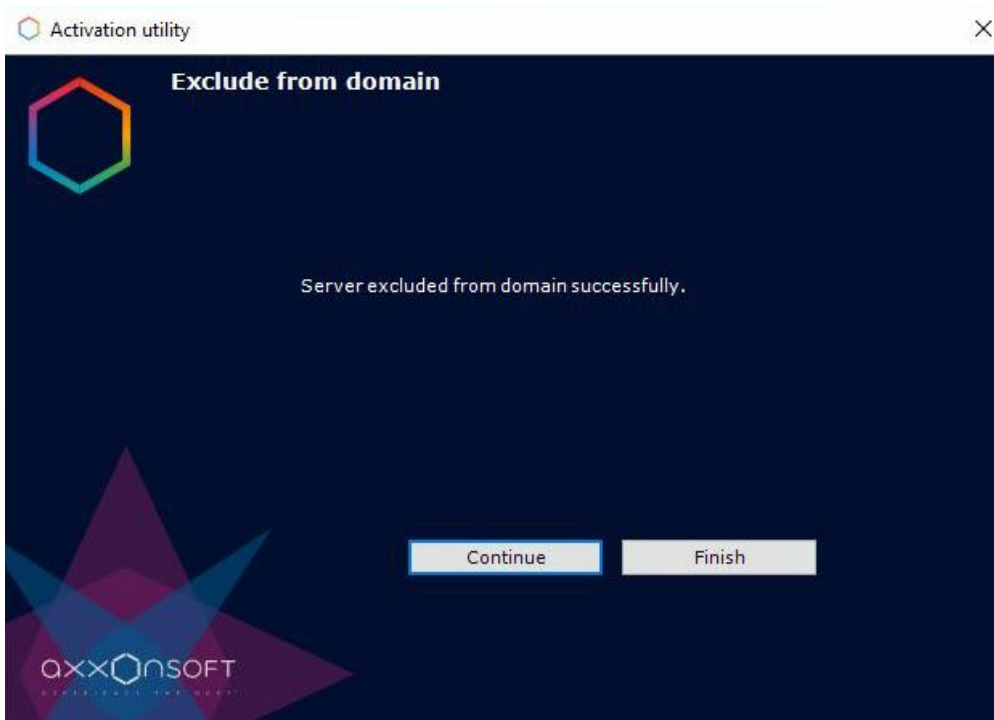
1. On the main page of the activation utility select **Advanced mode** and click **Next**.



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**.

## 19 Generating license files via the web interface of the licensing service

### On the page:

- [Generating the Axxon One Free license file](#)(see page 53)
- [Generating the Axxon One license file](#)(see page 54)

You can get a license file from an AxxonSoft representative, by sending them a request file. You can also generate a license file on the *licensing service* at <https://sale.axxonsoft.com/sale/>.

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

### 19.1 Generating the Axxon One Free license file

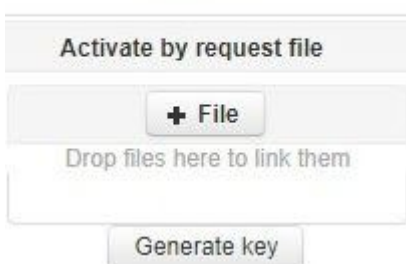
To generate the *Axxon One Free* license file, do the following:

1. In a web browser, go to <https://sale.axxonsoft.com/sale/>.



2. Follow the **Activate Free** link.
3. Click the **File** button and select the activation request file.

#### Activate



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

#### Activate



Generation of the *Axxon One Free* license file is complete.

## 19.2 Generating the Axxon One license file

You can generate the *Axxon One* license file only if there is the product serial number in the activation request. The product serial number is provided after payment.

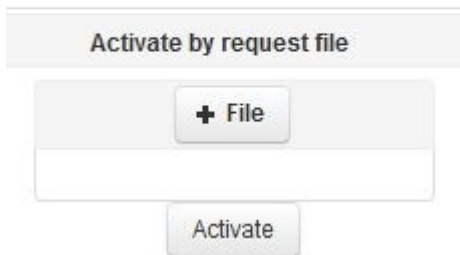
To generate a license file, do the following:

1. In a web browser, go to <https://sale.axxonsoft.com/sale/>.



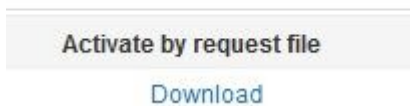
2. Follow the **Activate** link.
3. Click the **File** button and select the activation request file.

### Key generate



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

### Key generate



Generation of the *Axxon One* license file is complete.

## 20 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.

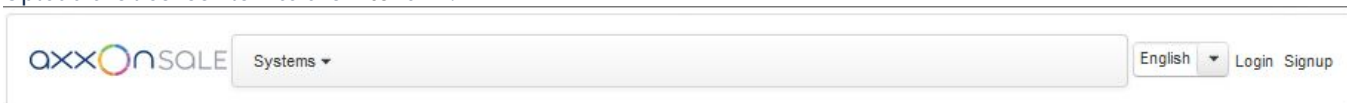


**Note**  
Decoding is available to registered users only. Click **Signup** to register.

3. Select **Systems** → **Decoding**.



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



### Decoding

Apply request file or key to decode

**+ File**  
Drop files here to link them

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

Decoding of the activated license is complete.

The information about the license type, expiration date, and 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:** [REDACTED]  
**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	∞