



iConstruct™

FOR AUTODESK™ NAVISWORKS™

iConstruct 2017

Installation & License Activation

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iConstruct software for Autodesk® Navisworks® is a powerful suite of tools that enables information from various segments of the construction industry to be integrated, standardized and configured in a single, data-rich 3D model within Navisworks®.

Installation & License Activation for iConstruct 2017

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Installation & License Activation for iConstruct 2017

iConstruct 2017 Installation & License activation

When installing iConstruct for the first time, make sure you have the latest of relevant release of iConstruct suitable to run on your release of Autodesk Navisworks. Before you begin installation make sure all Navisworks programs are closed.

1 Prerequisites

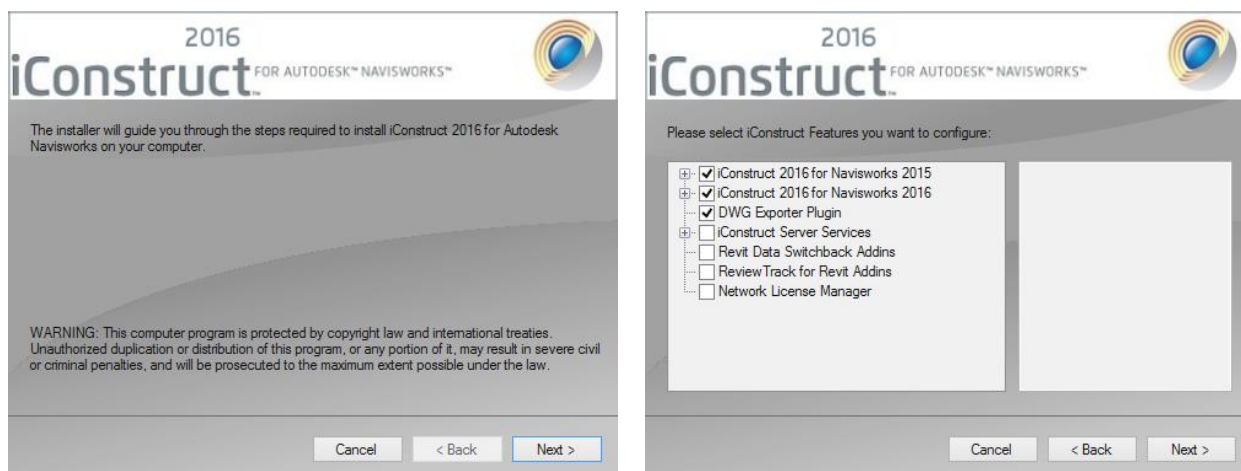
Before installing iConstruct 2017 make sure all older versions of iConstruct are first uninstalled from the Navisworks versions you intend to install. You can run iConstruct 2017 on Navisworks 2016 and iConstruct 2017 on Navisworks 2017 on the same computer, but you cannot have iConstruct 2016 and 2017 running on the same version of Navisworks.

These pre-requisites must also be installed and configured properly on your computer:

- Autodesk Navisworks 2017 Simulate or Manage, or Autodesk Navisworks 2016 Simulate or Manager
- Microsoft .NET Frameworks 4.6
- MS Access Database Engine or Microsoft Office (64 bit)

2 Running the Installer

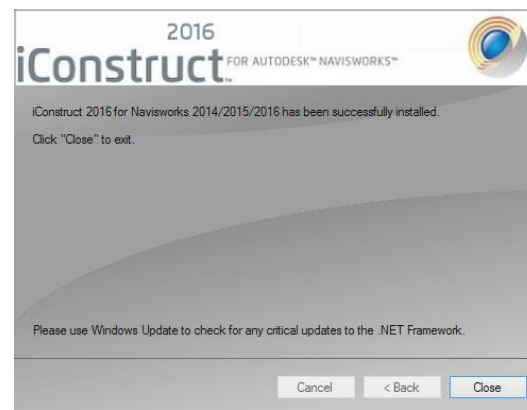
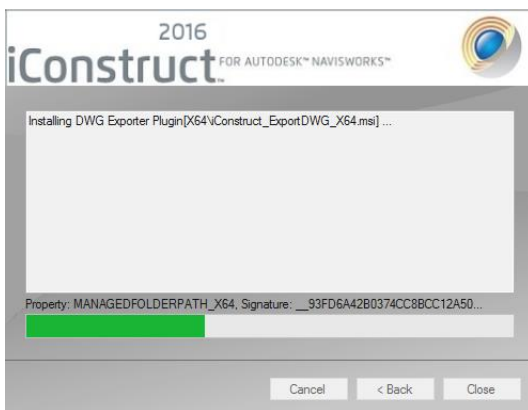
The setup should be 'Run as Administrator'. The Welcome dialog will appear, click 'Next'. This will take you to the feature selection (below right).



By default the installer detects the available versions of Navisworks and automatically ticks those features to be installed. iConstruct Server Service and Revit Data Switchback Addins are features that are not required for the general function of iConstruct and so should be ticked only if the user is familiar with them. Please consult chapters 21 & 22 for further information regarding these features.

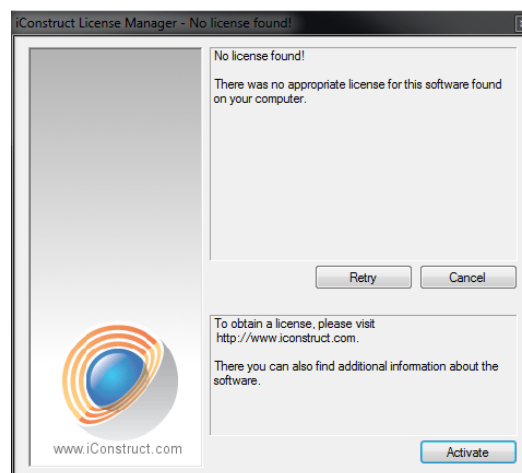
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Once the Feature selection is complete, click 'Next'. The installer will prompt for an optional server name or IP address of an existing iConstruct server (This is not the network license server address). This can be left blank if no server is available. Click 'Next' again and then 'Finish' to start the installation process.



3 Licensing and Registration

The iConstruct Toolset requires user registration in order to activate the product. When iConstruct is executed for the first time, the user is prompted to activate the product via the dialog below.

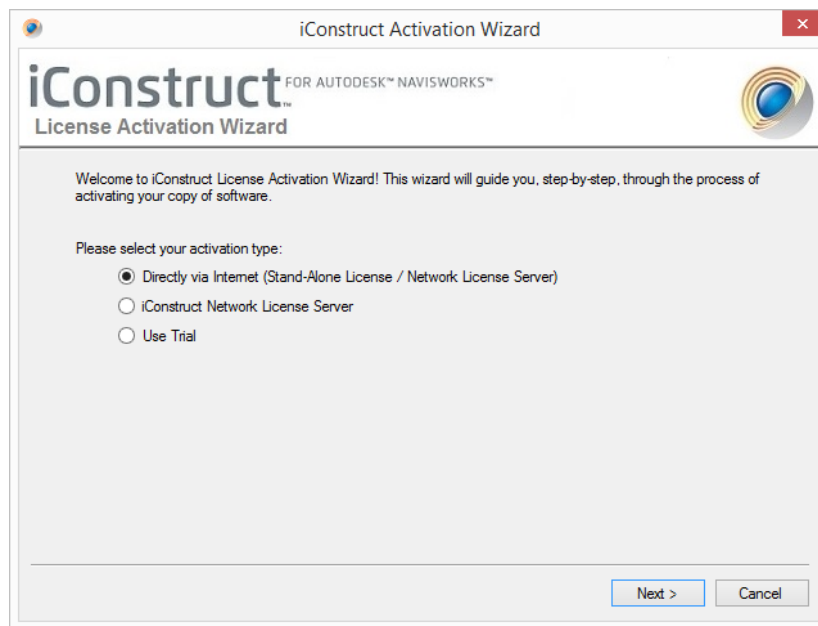


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The iConstruct Toolset can operate in one of three activation methods:

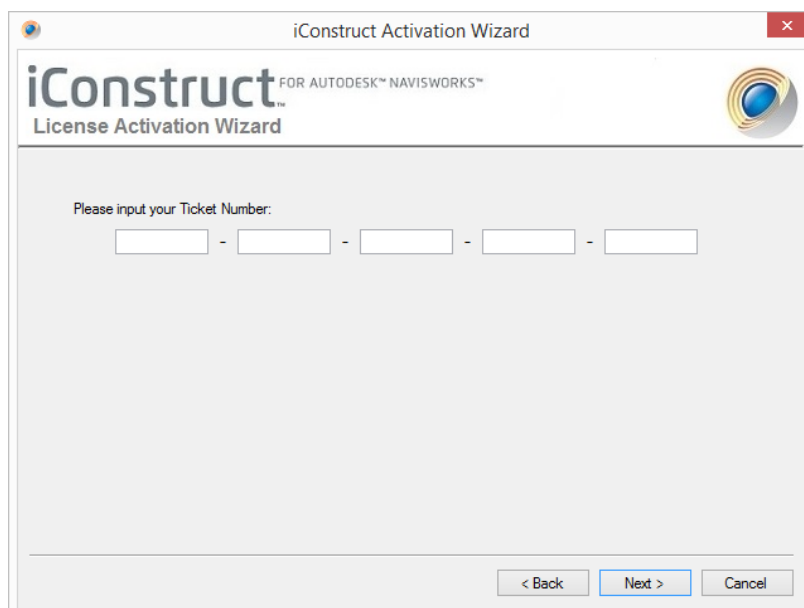
Please check the type of license that has been supplied

- **Standalone License:** A standalone licence will issue the user with a licence to operate the Toolset on the PC to which the licence was requested.
- **iConstruct Network License Server:** An enterprise or floating licence is network based licence that allows users to push and pull licences from a network pool.
- **Trial License:** A standalone license with expiration time (usually 30 days).



3.1 Standalone License Activation

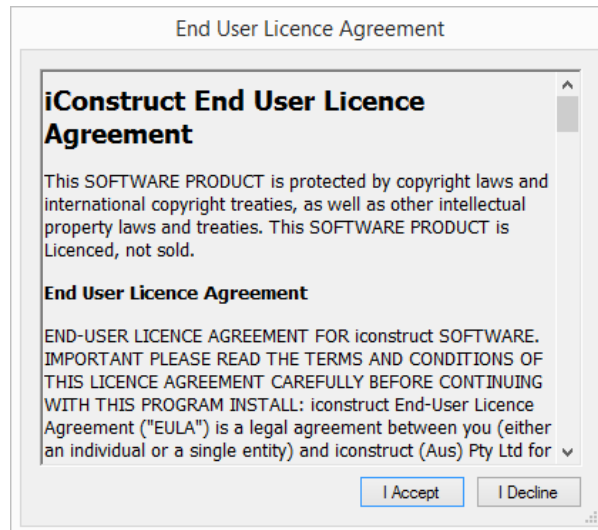
To activate a standalone copy of iConstruct select 'Directly via Internet' option and press 'Next'. You will need to input iConstruct Ticket Number (Activation Code) in the available text boxes and press 'Next':



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Please make sure that you are connected to internet at this time. The activation wizard contact online activation server and installs iConstruct License on your machine.

You will need to read through the End User Licence Agreement (EULA) and accept in order to activate your software.



At the end of the process it will prompt you that the activation has finished successfully. After closing the message box iConstruct will automatically start.

3.2 Floating Network License Activation

In order to use iConstruct in a floating network license environment, you first need to install and activate license server. To install iConstruct License Server you will need to install iConstruct Network License Manager on your license Server.

i Network license manager can be installed in a virtual desktop environment

3.2.1 System Requirements for iConstruct Network License Manager

The iConstruct Network License Manager is part of the iConstruct setup, so you only need to select a computer on your network that will act as a network server. To set up an iConstruct Network server as following:

- a computer with a network connection
- the computer needs to have internet connectivity for the initial activation of the license

i There is no need for a server level operating system for the iConstruct Network License server. Any computer that has a recent version of Windows is capable of acting as an iConstruct Network License server. (Windows XP, Vista, 7) Even one of the workstations can work as an iConstruct Network License server (Although this is not advised).

3.2.2 Activating License on the Server

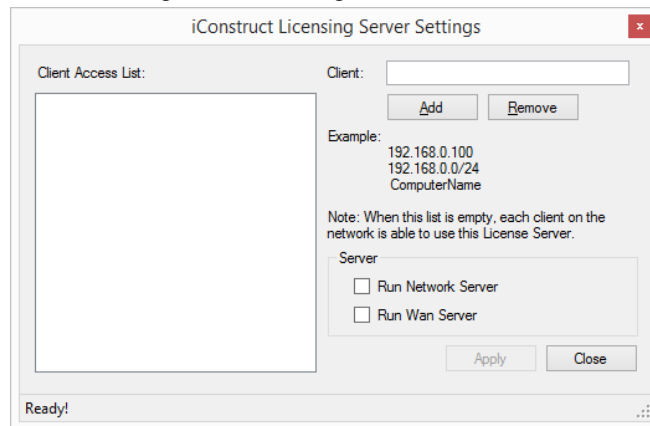
- Install iConstruct Network License Manager on the License Server
- Run 'iConstruct Network License Manager' from start menu > iConstruct 2017 folder
- Select 'Activate License' from File menu
- Select the Directly via Internet (Stand-Alone License / Network License Server)
- Input your Network License Activation Code
- Follow the wizard to activate license

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3.2.3 Set up the Server

After you have your server running and licensed you can enable license sharing following these steps:

- In iConstruct Network License Manager, run 'Settings' from the 'File' menu:



To enable the Network server:

- Check **Run Network Server** checkbox
- Do not forget to *Apply the changes*
- iConstruct network license manager uses port 22350 for LAN and 22351 for WAN (If WAN is enabled)

3.2.4 Access Control

By default all computers on the local network may use a licenses from the server.

In cases that access needs to be restricted:

- Open Settings
- Add IP address / range or computer name you want to grant access to the license server

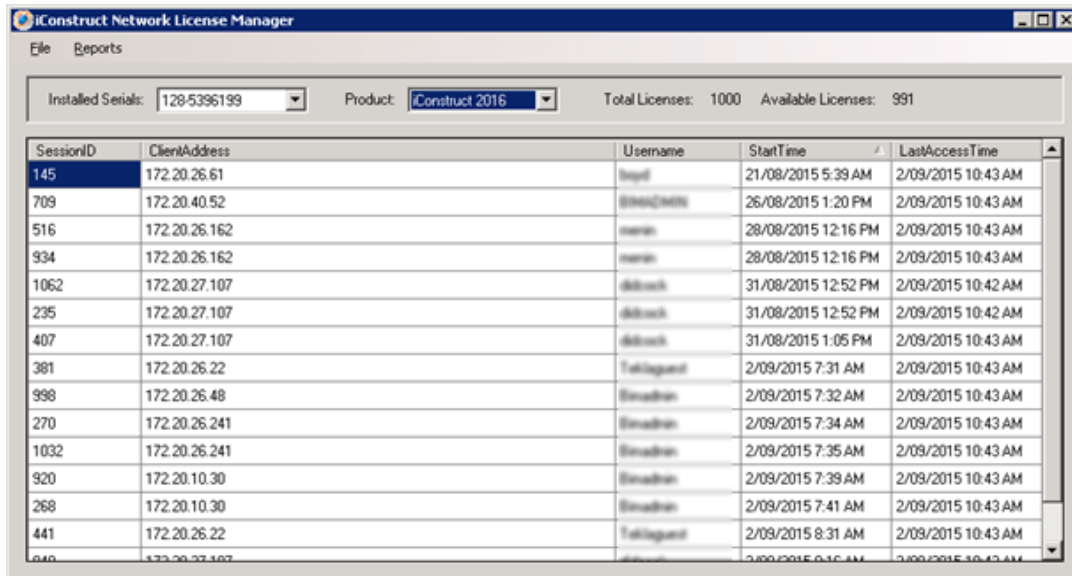
Anyone on the local network can use a license unless entries are specified in the clients list, in which case access is restricted to only those clients.

- **i** If the server is public on the Internet or licenses are to be restricted, make sure that this list is filled correctly to avoid unwanted license usage.

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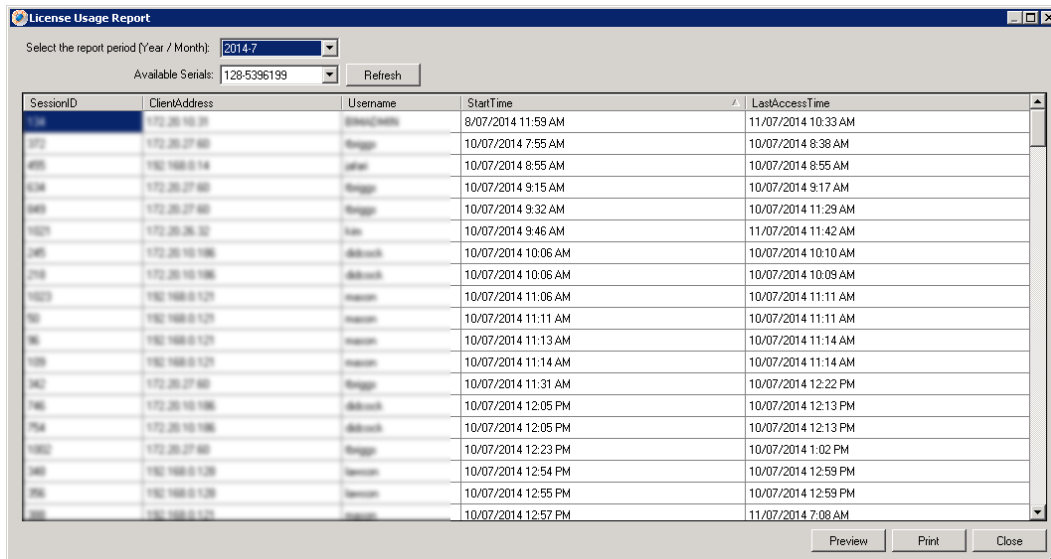
You may want to check who is using a license:

- Open iConstruct Network License Manager on the license server computer
- The main window will show you the list of currently connected clients:



| SessionID | ClientAddress | Username | StartTime | LastAccessTime |
|-----------|---------------|-----------|---------------------|--------------------|
| 145 | 172.20.26.61 | logd | 21/08/2015 5:39 AM | 2/09/2015 10:43 AM |
| 709 | 172.20.40.52 | bruce@msk | 26/08/2015 1:20 PM | 2/09/2015 10:43 AM |
| 516 | 172.20.26.162 | nevan | 28/08/2015 12:16 PM | 2/09/2015 10:43 AM |
| 934 | 172.20.26.162 | nevan | 28/08/2015 12:16 PM | 2/09/2015 10:43 AM |
| 1062 | 172.20.27.107 | dkbrack | 31/08/2015 12:52 PM | 2/09/2015 10:42 AM |
| 235 | 172.20.27.107 | dkbrack | 31/08/2015 12:52 PM | 2/09/2015 10:42 AM |
| 407 | 172.20.27.107 | dkbrack | 31/08/2015 1:05 PM | 2/09/2015 10:43 AM |
| 381 | 172.20.26.22 | Talkigant | 2/09/2015 7:31 AM | 2/09/2015 10:43 AM |
| 998 | 172.20.26.48 | Ermaslan | 2/09/2015 7:32 AM | 2/09/2015 10:43 AM |
| 270 | 172.20.26.241 | Ermaslan | 2/09/2015 7:34 AM | 2/09/2015 10:43 AM |
| 1032 | 172.20.26.241 | Ermaslan | 2/09/2015 7:35 AM | 2/09/2015 10:43 AM |
| 920 | 172.20.10.30 | Ermaslan | 2/09/2015 7:39 AM | 2/09/2015 10:43 AM |
| 268 | 172.20.10.30 | Ermaslan | 2/09/2015 7:41 AM | 2/09/2015 10:43 AM |
| 441 | 172.20.26.22 | Talkigant | 2/09/2015 8:31 AM | 2/09/2015 10:43 AM |
| 640 | 172.20.27.107 | dkbrack | 2/09/2015 9:15 AM | 2/09/2015 10:43 AM |

Also you can get monthly reports of the license usage from 'Reports' menu:

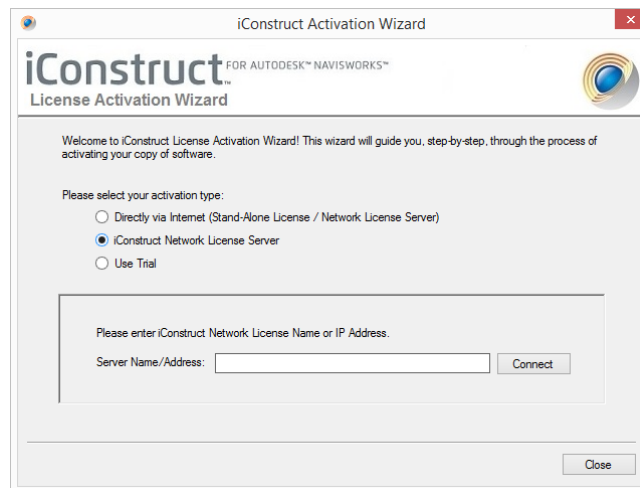


| SessionID | ClientAddress | Username | StartTime | LastAccessTime |
|-----------|---------------|----------|---------------------|---------------------|
| 144 | 172.20.10.30 | Ermaslan | 8/07/2014 11:59 AM | 11/07/2014 10:33 AM |
| 172 | 172.20.27.80 | Frageg | 10/07/2014 7:55 AM | 10/07/2014 8:38 AM |
| 495 | 192.168.0.14 | laser | 10/07/2014 8:55 AM | 10/07/2014 8:55 AM |
| 638 | 172.20.27.80 | Frageg | 10/07/2014 9:15 AM | 10/07/2014 9:17 AM |
| 649 | 172.20.27.80 | Frageg | 10/07/2014 9:32 AM | 10/07/2014 11:29 AM |
| 1029 | 172.20.26.32 | van | 10/07/2014 9:46 AM | 11/07/2014 11:42 AM |
| 145 | 172.20.10.196 | dkbrack | 10/07/2014 10:06 AM | 10/07/2014 10:10 AM |
| 178 | 172.20.10.196 | dkbrack | 10/07/2014 10:06 AM | 10/07/2014 10:09 AM |
| 1023 | 192.168.0.129 | nevan | 10/07/2014 11:06 AM | 10/07/2014 11:11 AM |
| 10 | 192.168.0.129 | nevan | 10/07/2014 11:11 AM | 10/07/2014 11:11 AM |
| 81 | 192.168.0.129 | nevan | 10/07/2014 11:13 AM | 10/07/2014 11:14 AM |
| 128 | 192.168.0.129 | nevan | 10/07/2014 11:14 AM | 10/07/2014 11:14 AM |
| 142 | 172.20.27.80 | Frageg | 10/07/2014 12:23 PM | 10/07/2014 12:22 PM |
| 146 | 172.20.10.196 | dkbrack | 10/07/2014 12:05 PM | 10/07/2014 12:13 PM |
| 174 | 172.20.10.196 | dkbrack | 10/07/2014 12:05 PM | 10/07/2014 12:13 PM |
| 1492 | 172.20.27.80 | Frageg | 10/07/2014 12:23 PM | 10/07/2014 1:02 PM |
| 440 | 192.168.0.129 | nevan | 10/07/2014 12:54 PM | 10/07/2014 12:59 PM |
| 156 | 192.168.0.129 | nevan | 10/07/2014 12:55 PM | 10/07/2014 12:59 PM |
| 158 | 192.168.0.129 | nevan | 10/07/2014 12:57 PM | 11/07/2014 7:08 AM |

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3.2.4.1 Client Side Settings

To activating iConstruct on a client to use network floating license you need to select 'iConstruct Network License Server' while activating the client in the first execution:



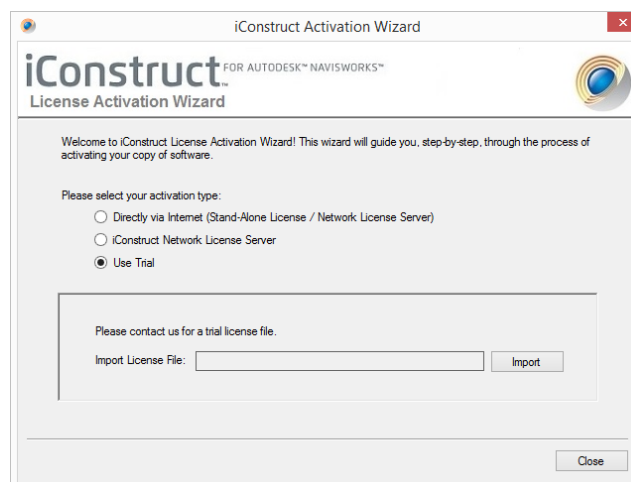
Here you will just need to input the name or IP address of the license server you have setup in the previous steps then press connect.

After accepting the License Agreement the wizard connects to the server and activates iConstruct using the network license server. iConstruct will start working after the activation finishes.

3.3 Trial Activation

To activate iConstruct using a trial license you first need contact your iConstruct dealer to obtain a trial license file. This trial license file can only be activated on your machine once and will expire on an exact date and time.

To activate the trial file select 'Use Trial' option in the activation wizard form and then choose the location of the trial file.



After importing the license file and accepting the software license agreement the trial license will be imported and iConstruct will be activated.

i Trial licenses cannot be activated on a virtual machine