

StarWind iSCSI SAN:

Getting Started with StarWind

April 2012

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If you have questions about installing or using this software, check this and other documents first - you will find answers to most of your questions on the [Technical Papers](#) webpage or in [StarWind Forum](#). If you need further assistance, please contact us.

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INTRODUCTION

This guide is intended for experienced Windows system administrators who will be installing the StarWind iSCSI SAN software in their IT infrastructures. StarWind can be used as shared storage for almost any application. It is fully compatible with VMware, Hyper-V, or server clusters for applications such as SQL Server, Exchange, and SharePoint.

DOWNLOADING AND INSTALLING

1. Download the **StarWind setup executable file** from our website:

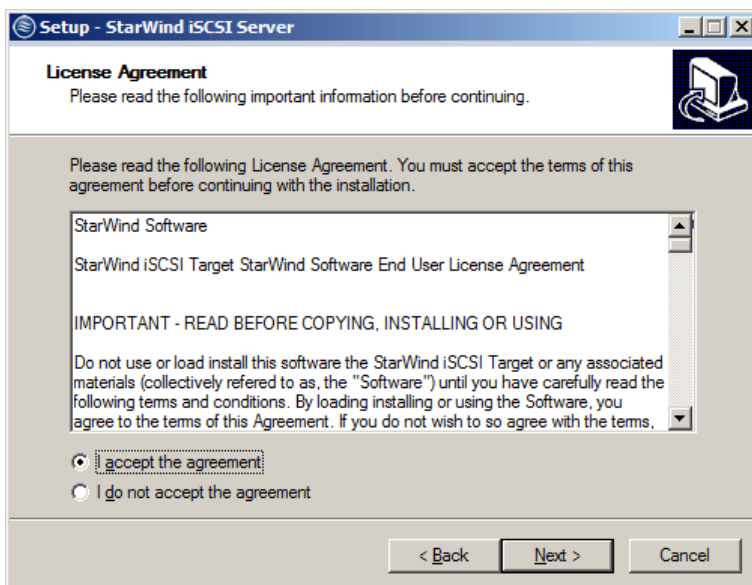
<http://www.starwindsoftware.com/products>

Note: The setup file is unified for x86 and x64, so that you do not need to worry about the platform compatibility.

2. Launch the downloaded executable setup file on the server that you want to turn into SAN storage. **Setup Wizard** appears.

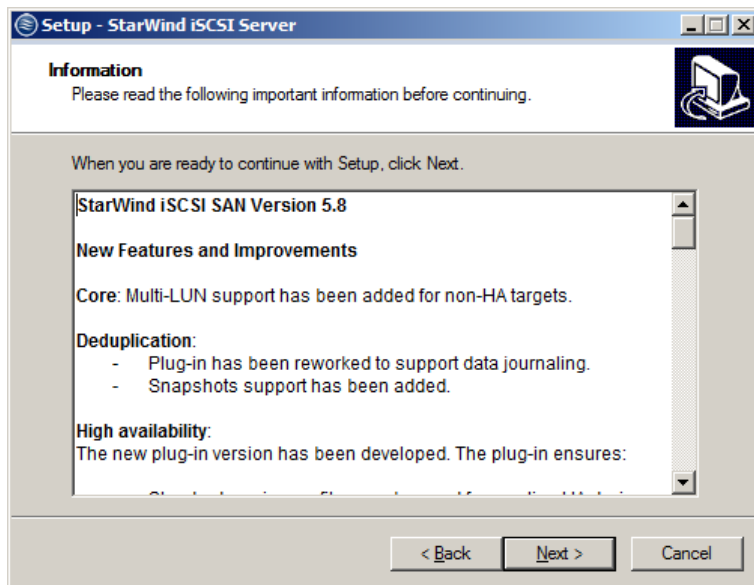


3. Click **Next** to continue.
4. Read and accept the **License Agreement**.

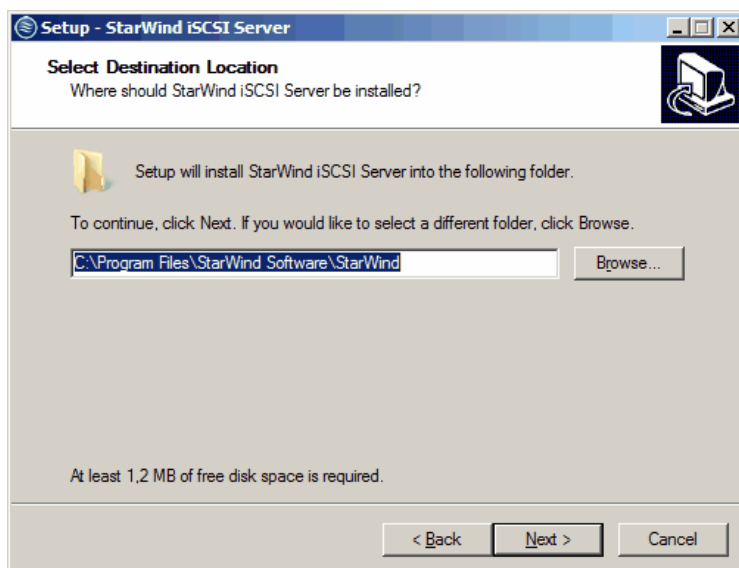


5. Click **Next** to continue.

6. Read the information.



7. Click **Next** to continue.
8. Click **Browse** to select the installation path.



9. Click **Next** to continue.

10. Specify the installation type:

StarWind iSCSI Service

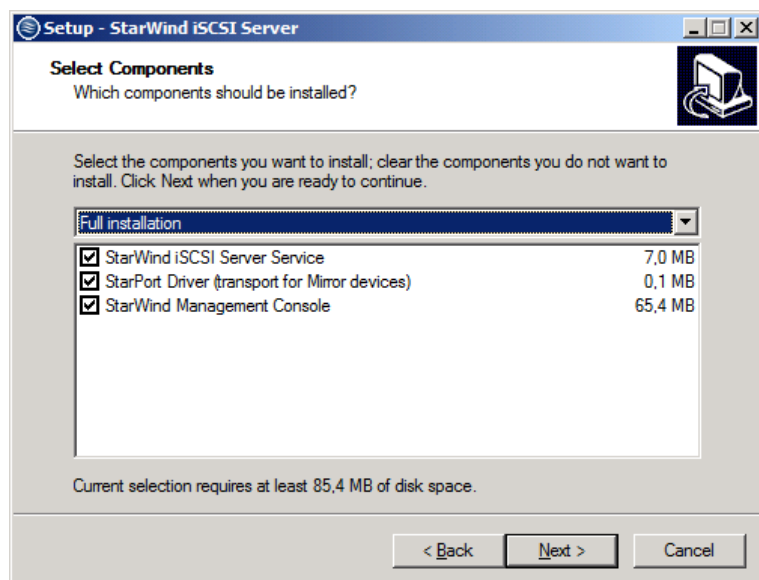
This installation type is applied to remote access servers. StarWind Service enables the creation of various devices (e.g. HA devices, Snapshot, CDP, and Mirror devices) and can be managed with StarWind Management Console from another computer.

StarWind Management Console

Management Console is the Graphical User Interface (GUI) part of the program that monitors and controls the storage related operations (e.g. allows for the creation of devices on the available target servers). After its installation, **Management Console** connects to **StarWind Service** remotely.

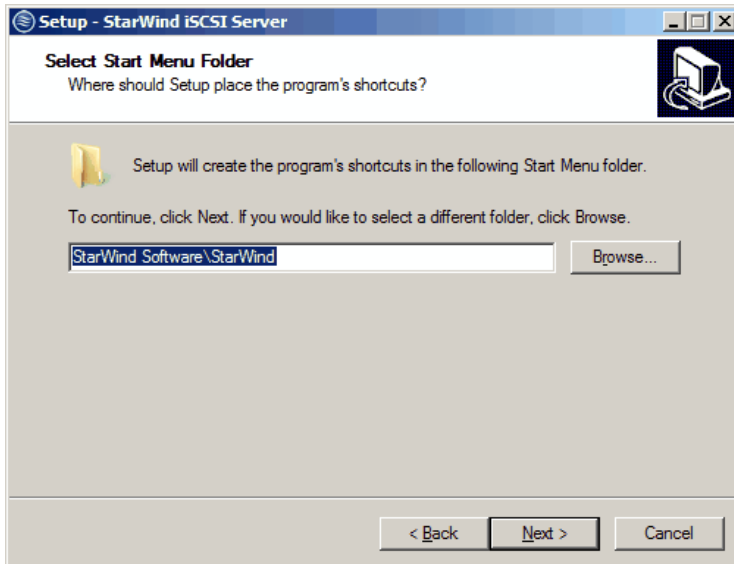
Full installation

Full installation includes both **StarWind Service** and **Management Console** elements. It allows for the management of resources from the machine with installed **StarWind Service**.



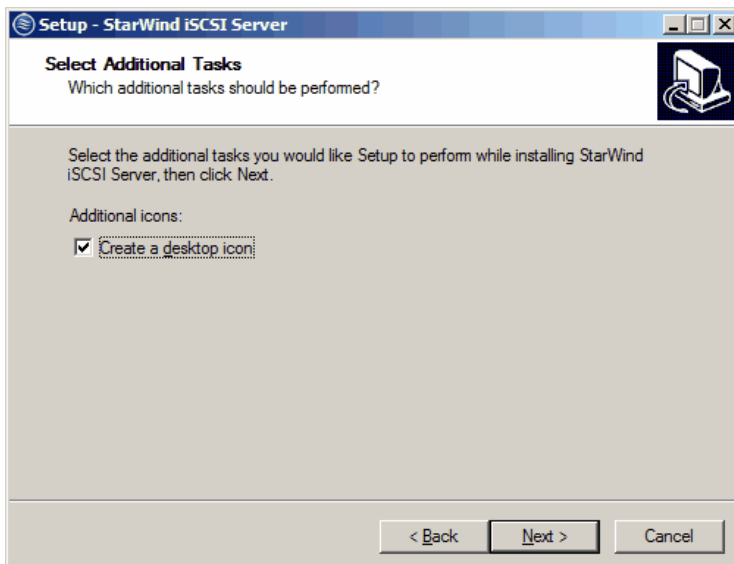
11. Click **Next** to continue.

12. Specify the **Start Menu** folder.



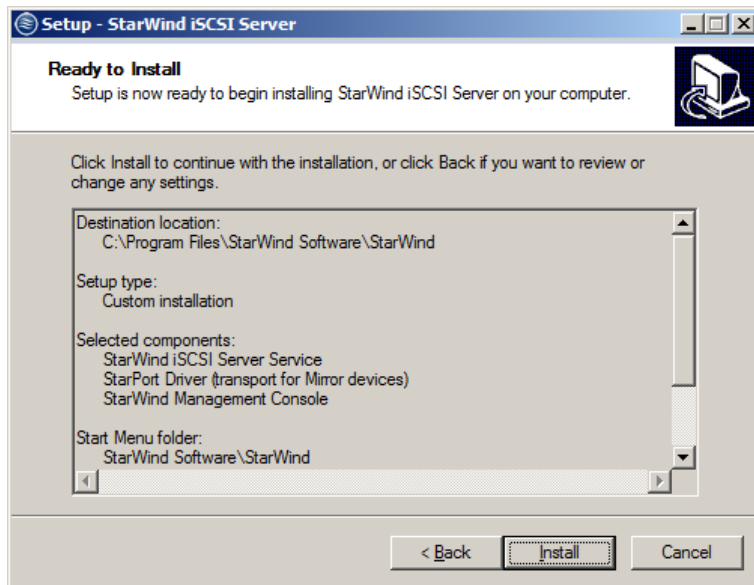
13. Click **Next** to continue.

14. Select the appropriate checkbox if you want to create a desktop icon.

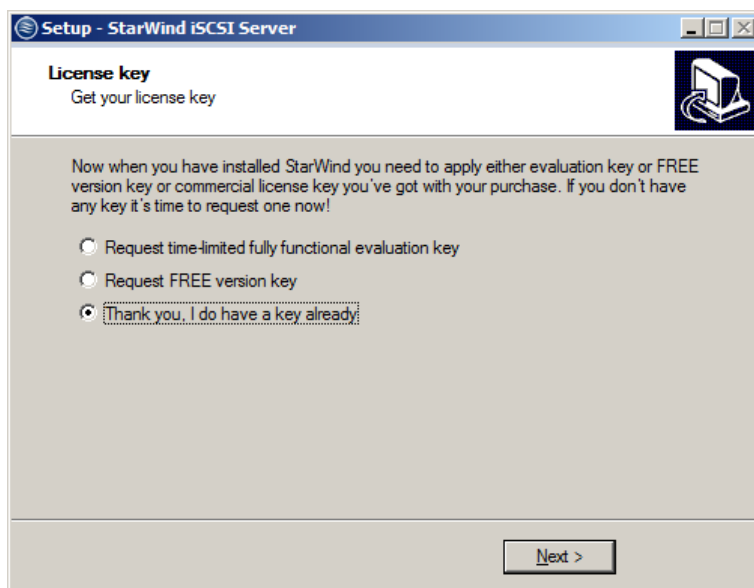


15. Click **Next** to continue.

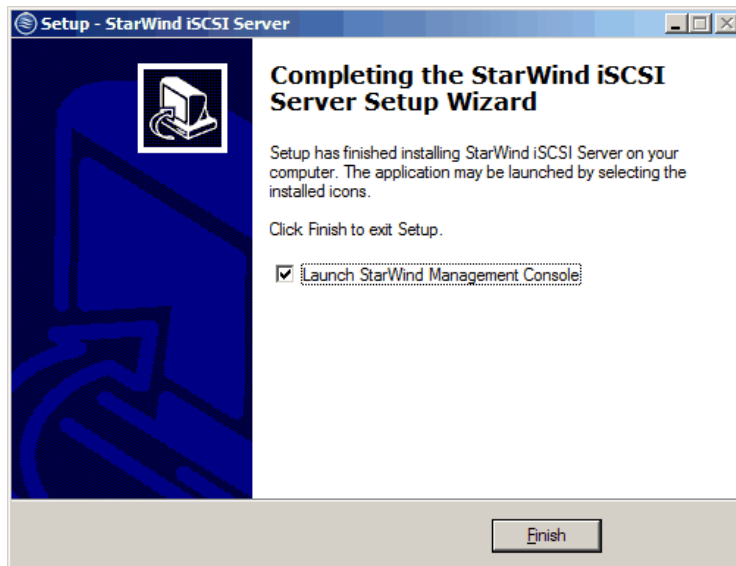
16. Check the settings you have specified, and click **Back** if you need to make any changes. Click **Install** to continue.



17. After the installation process is complete, you will be prompted to apply either a time-limited fully functional evaluation key, or a FREE version key, or a fully unlocked commercial license key that is supplied with an acquired StarWind product. Select the appropriate option.



18. Click **Next** to continue.
19. Select the appropriate checkbox to launch **StarWind Management Console** immediately.



20. Click **Finish** to close the wizard.

REGISTERING THE SOFTWARE

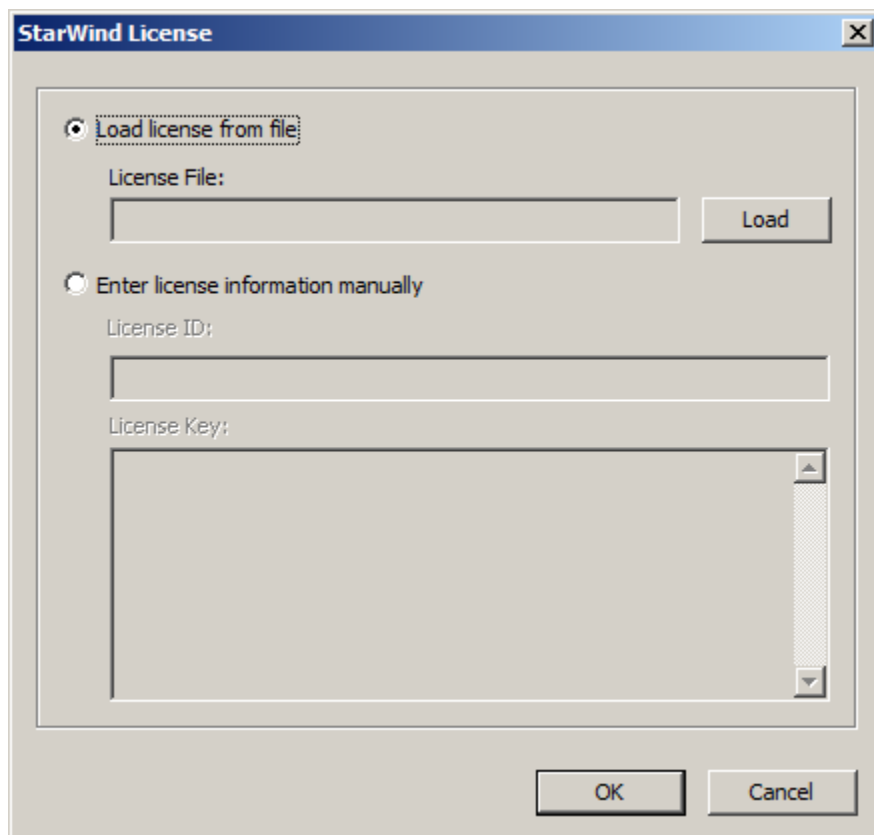
1. Launch **StarWind Management Console**: double click the **StarWind tray icon**.

StarWind Management Console allows for the management of multiple StarWind servers from one computer.

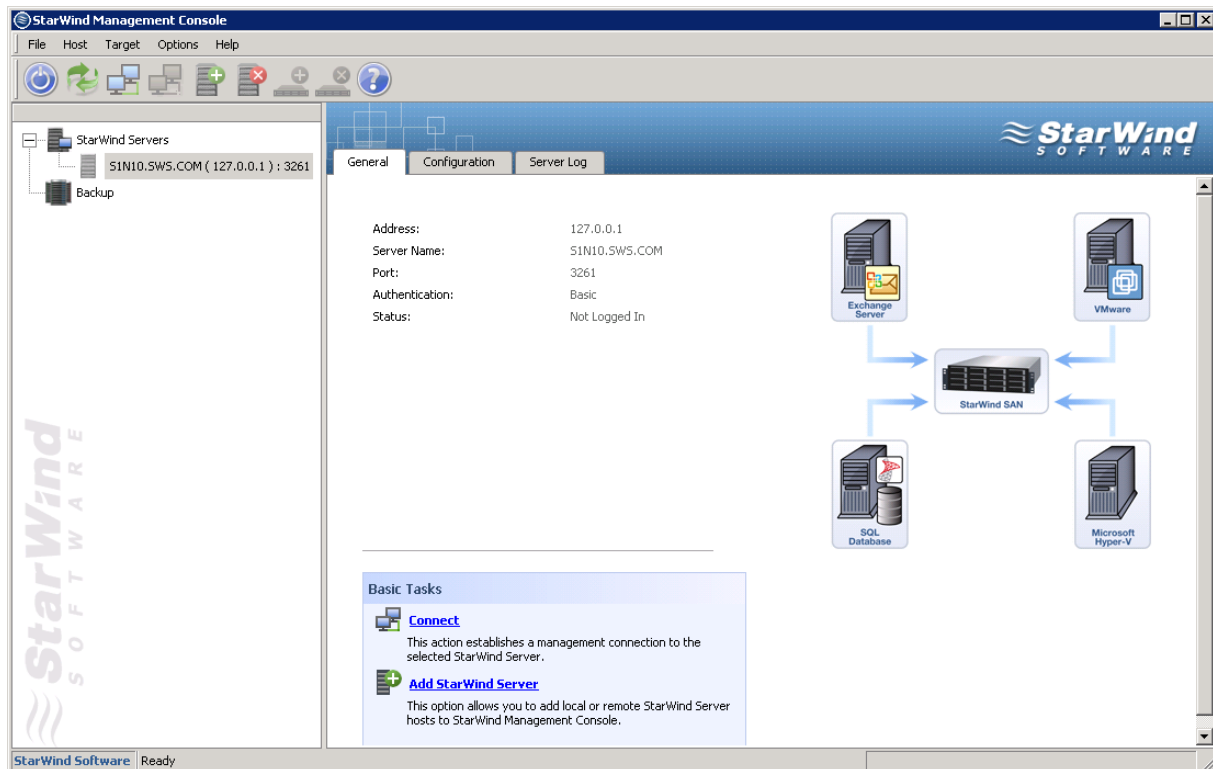
2. Activate **StarWind Management Console** by applying your license key: Click **Apply key...** to proceed.



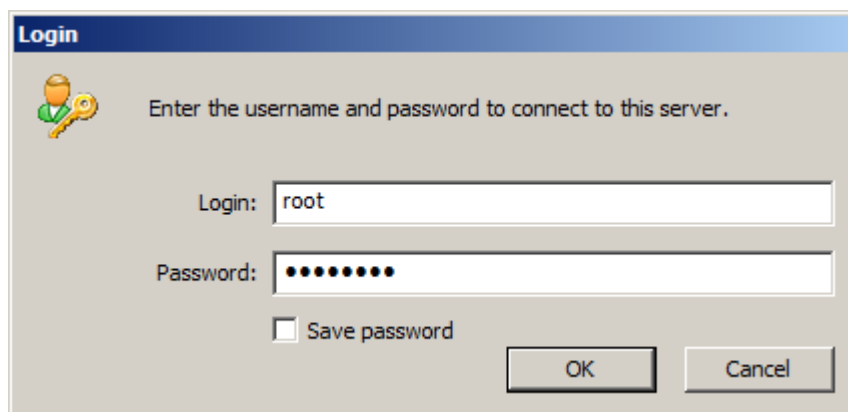
3. Click **Load** to select and open the license file that you have received.



4. Click **OK** to continue.
5. The locally installed StarWind Service server is listed in the **Servers** item of the **Console tree**.



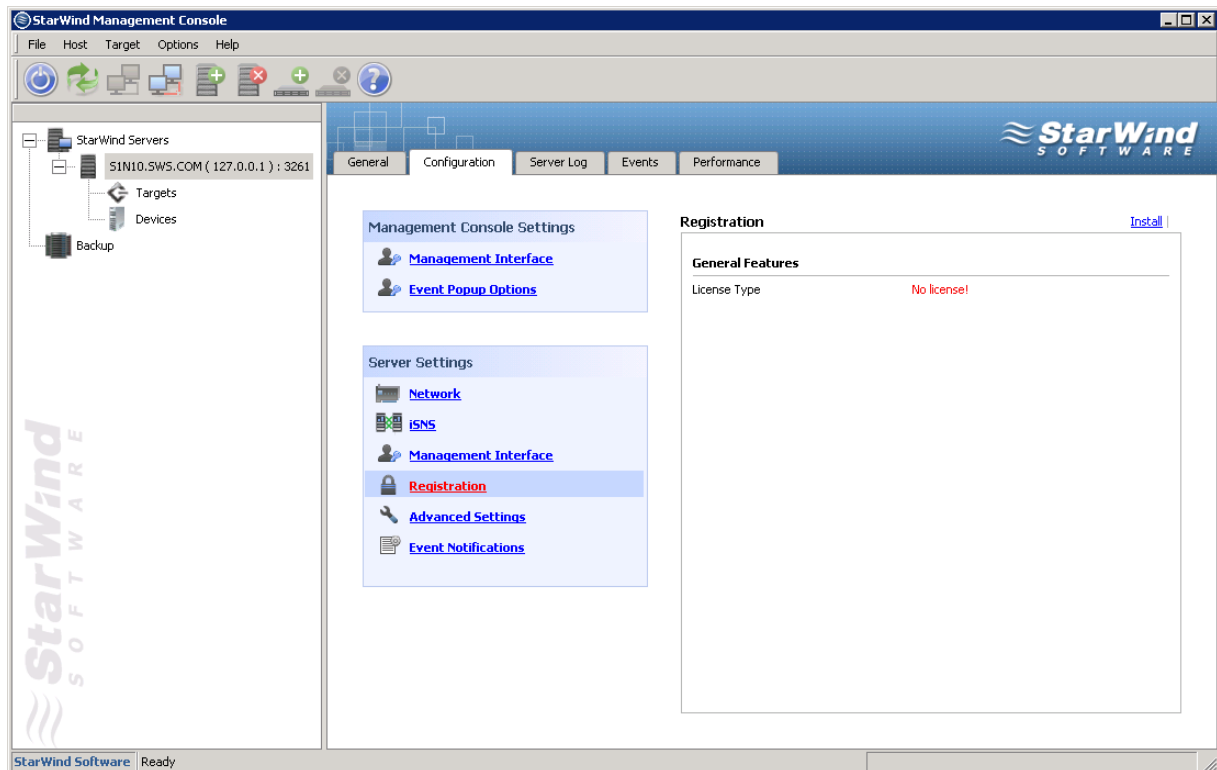
6. Click **Connect** in the toolbar to connect to the server.
7. You will be prompted to enter login and password. The default login and password are “**root**” and “**starwind**”. You can always change them later.



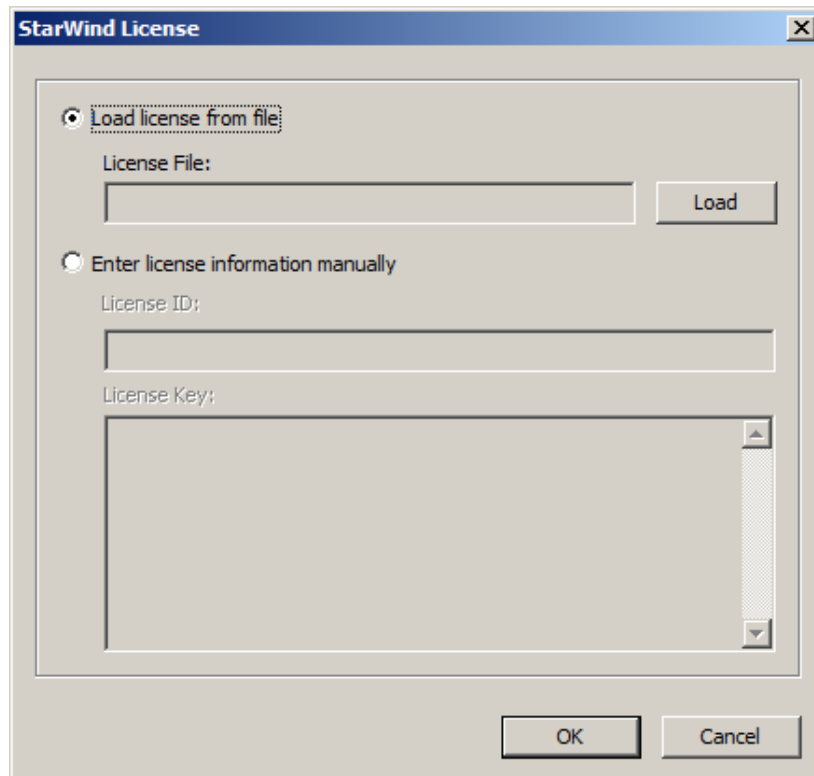
8. Click **OK** to continue.

To register StarWind software:

1. Select the connected server and go to the **Configuration** tab.
2. Click **Registration**. You will see the information about the license applied to this server.



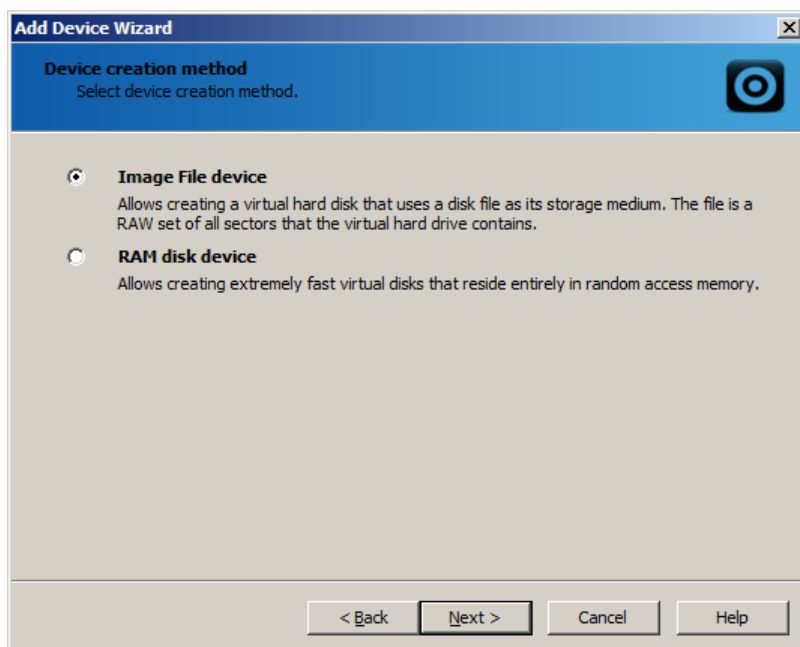
3. Click **Install** to apply the license.
4. Click **Load** to select and open the license file that you have received.



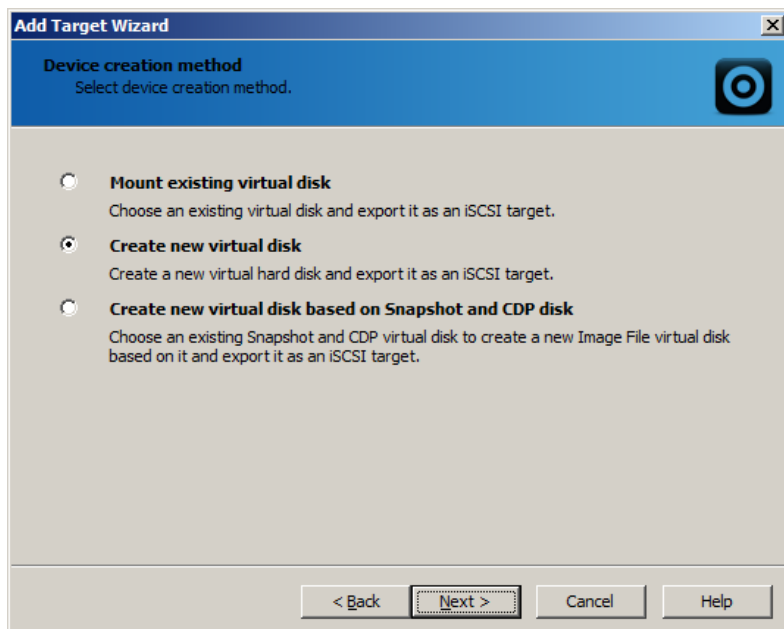
5. Click **OK** to continue.

CREATING A BASIC VIRTUAL DEVICE

1. Select the server where a new virtual device will be created. Click **Add Device** in the toolbar. **Add Device Wizard** appears. Please follow the Wizard's steps to complete the creation of a new image file device.
2. Go to **Hard Disk -> Basic virtual -> Image File device**.

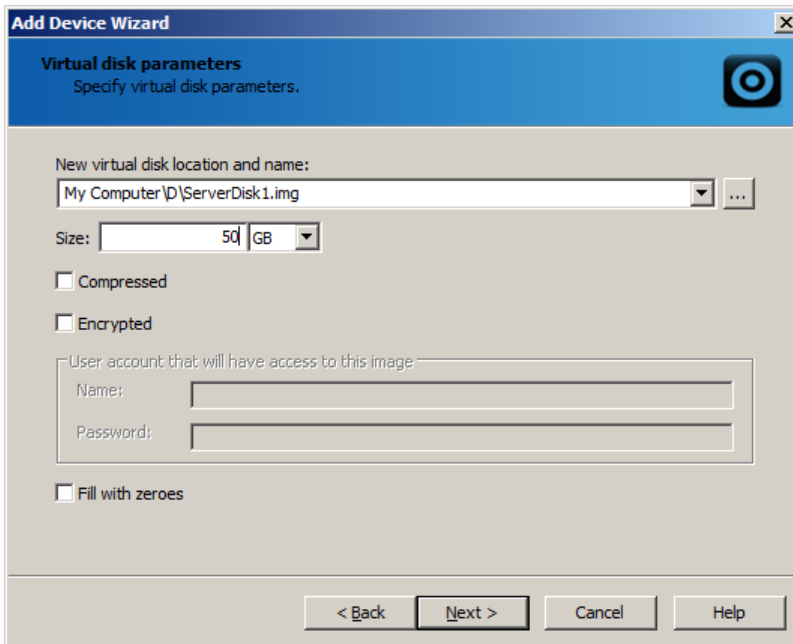


3. Click **Next** to continue.
4. Select the **Create new virtual disk** option.



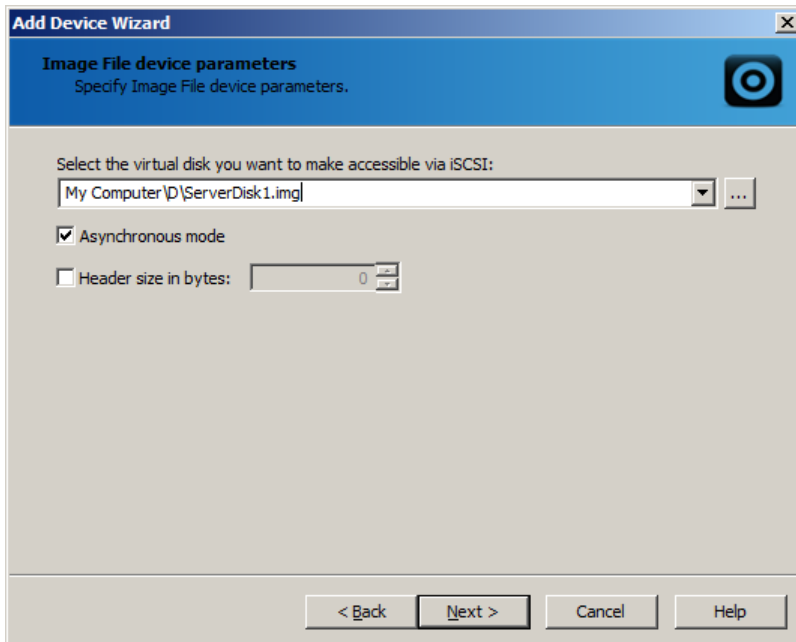
5. Click **Next** to continue.

- Specify the location, name, and size of a virtual disk in the appropriate fields.



The screenshot shows the 'Add Device Wizard' dialog box with the 'Virtual disk parameters' step selected. The title bar reads 'Add Device Wizard'. The main heading is 'Virtual disk parameters' with the subtitle 'Specify virtual disk parameters.' and a StarWind logo. The 'New virtual disk location and name:' field contains 'My Computer\D\ServerDisk1.img'. The 'Size:' field is set to '50 GB'. There are three checkboxes: 'Compressed' (unchecked), 'Encrypted' (unchecked), and 'Fill with zeroes' (unchecked). Below these are fields for 'User account that will have access to this image' with 'Name:' and 'Password:' sub-fields. At the bottom are buttons for '< Back', 'Next >', 'Cancel', and 'Help'.

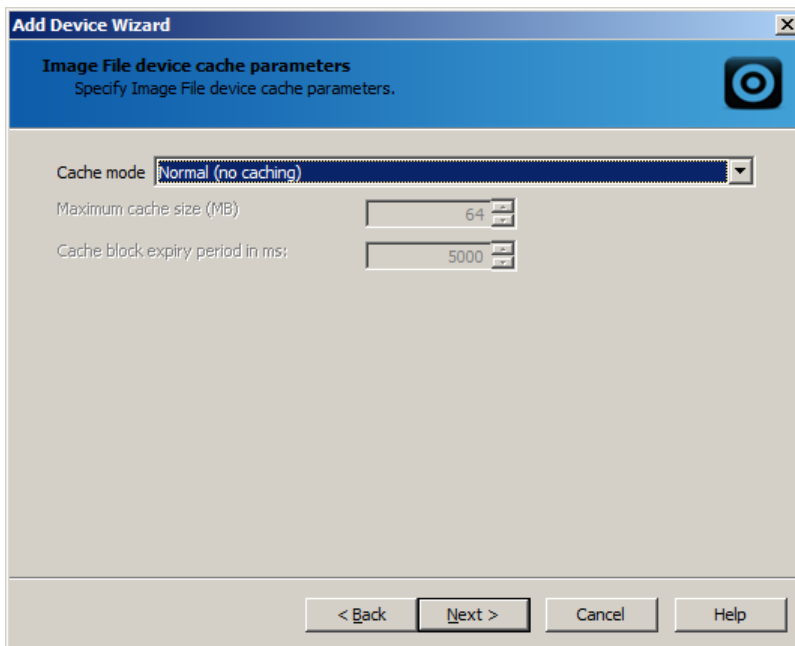
- Click **Next** to continue.
- If needed, set additional parameters for your virtual disk. Click **Help** to get detailed information.



The screenshot shows the 'Add Device Wizard' dialog box with the 'Image File device parameters' step selected. The title bar reads 'Add Device Wizard'. The main heading is 'Image File device parameters' with the subtitle 'Specify Image File device parameters.' and a StarWind logo. The 'Select the virtual disk you want to make accessible via iSCSI:' field contains 'My Computer\D\ServerDisk1.img'. There are two checkboxes: 'Asynchronous mode' (checked) and 'Header size in bytes:' (unchecked, with a value of '0'). At the bottom are buttons for '< Back', 'Next >', 'Cancel', and 'Help'.

- Click **Next** to continue.

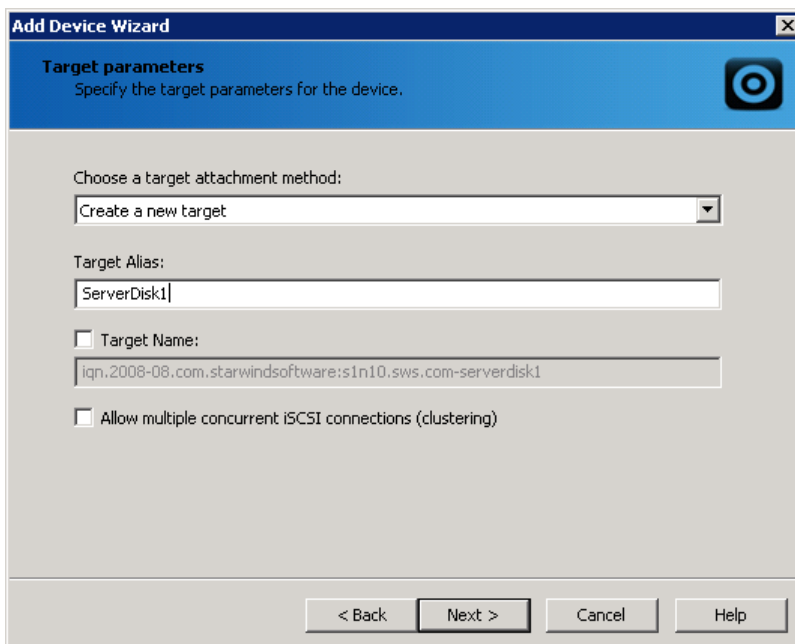
10. Set the cache parameters for your device.



The screenshot shows the 'Add Device Wizard' dialog box with the title 'Image File device cache parameters'. The subtitle is 'Specify Image File device cache parameters.' The 'Cache mode' dropdown menu is set to 'Normal (no caching)'. The 'Maximum cache size (MB)' is set to 64. The 'Cache block expiry period in ms' is set to 5000. At the bottom, there are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

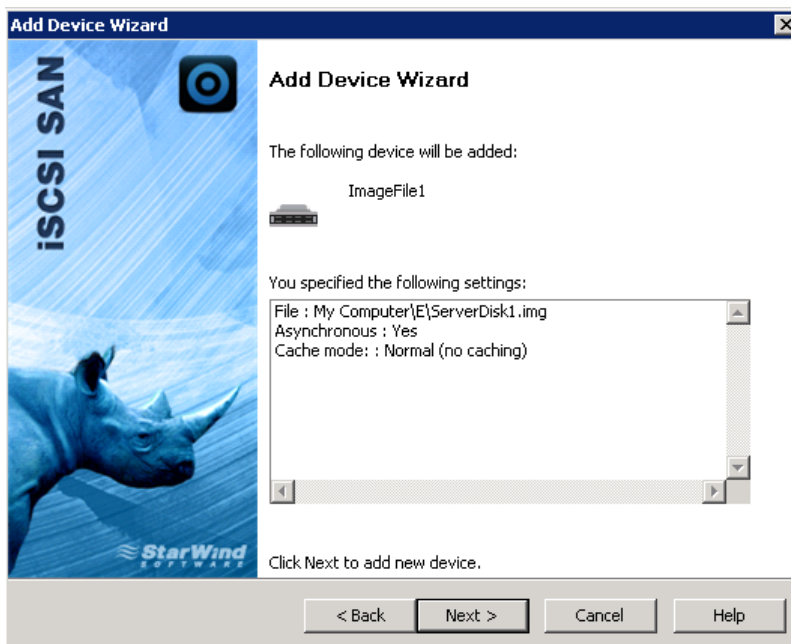
11. Click **Next** to continue.

12. Select **target attachment method**. For a new target, specify the **Target Alias** and **clustering** option if required.



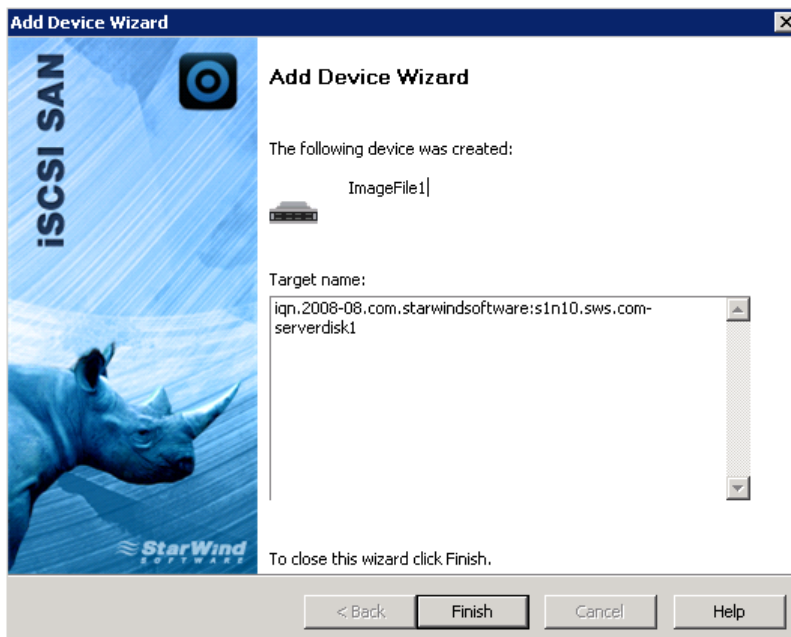
The screenshot shows the 'Add Device Wizard' dialog box with the title 'Target parameters'. The subtitle is 'Specify the target parameters for the device.' The 'Choose a target attachment method:' dropdown menu is set to 'Create a new target'. The 'Target Alias:' text box contains 'ServerDisk1'. The 'Target Name:' checkbox is unchecked, and the text box below it contains 'iqn.2008-08.com.starwindsoftware:s1n10.sws.com-serverdisk1'. The 'Allow multiple concurrent iSCSI connections (clustering)' checkbox is also unchecked. At the bottom, there are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

13. Check a summary of the set options. Click **Back** to make any changes.



14. Click **Next** to continue.

15. Click **Finish** to close the wizard.



CONTACTS

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