StarWind iSCSI SAN & NAS:

Getting Started

January 2013

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TECHNICAL SUPPORT AND SERVICES

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.

CONTENTS

INTRODUCTION

This guide is intended for experienced Windows system administrators. It provides detailed instructions on installation, registration, and initial steps with StarWind iSCSI SAN & NAS. StarWind delivers sophisticated shared storage for VMware and Hyper-V environments. It is a perfect clustering solution for applications such as MS SQL Server, Exchange, and SharePoint.
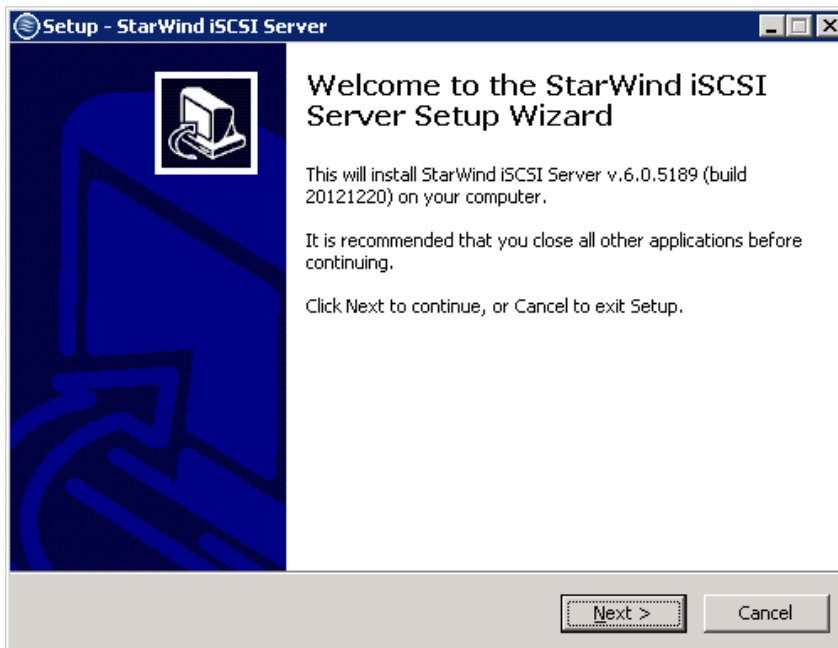
DOWNLOADING, INSTALLING, AND REGISTERING THE SOFTWARE

1. Download the StarWind setup executable file from our website:
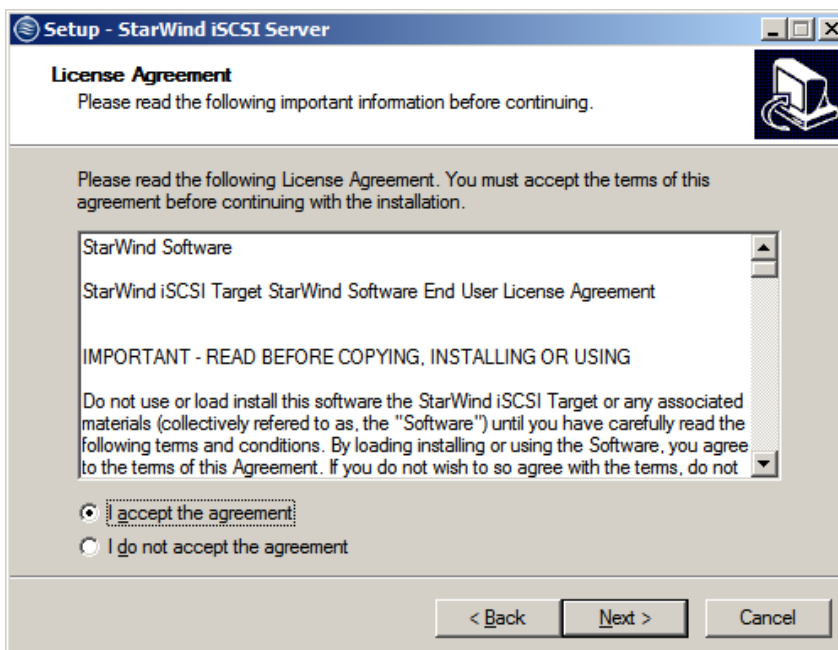   http://www.starwindsoftware.com/products

Note: The setup file is unified for x86 and x64 systems.

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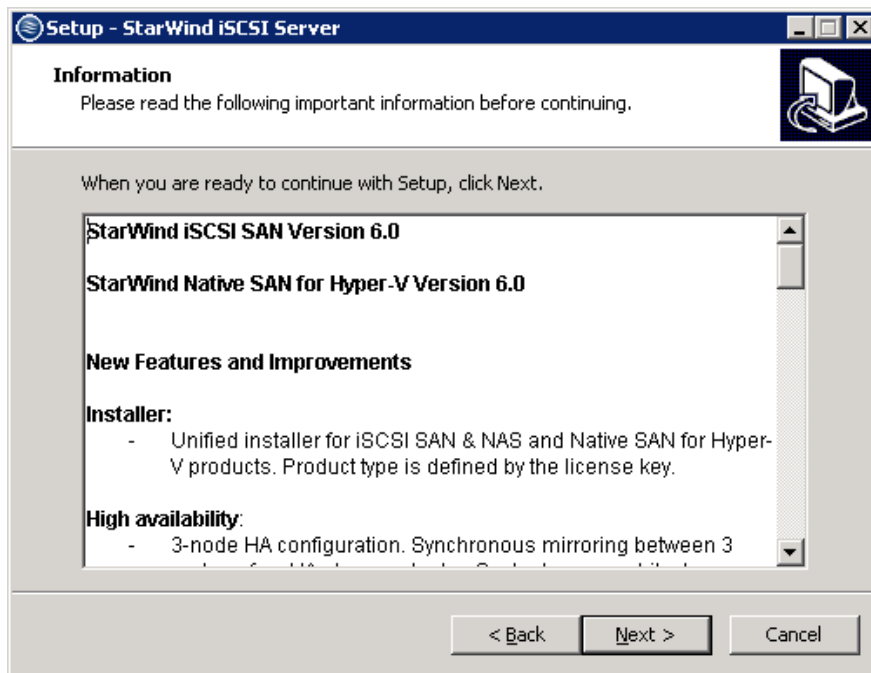

3. Click **Next** to continue.
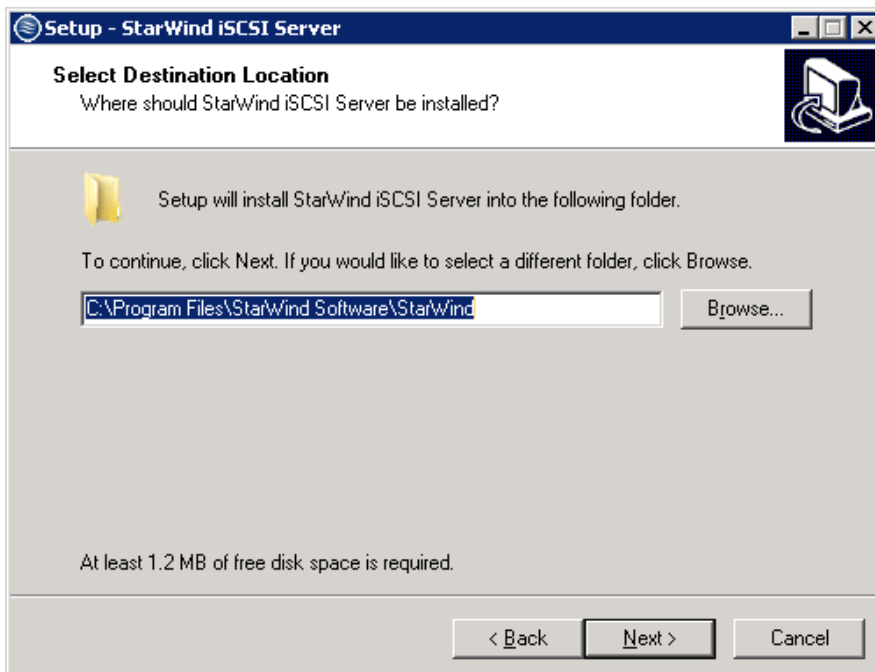4. Read and accept the License Agreement.

5. Click **Next** to continue.

6. Read the information about new features and improvements.

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

9. Click **Next** to continue.

10. Specify one of the following installation types:
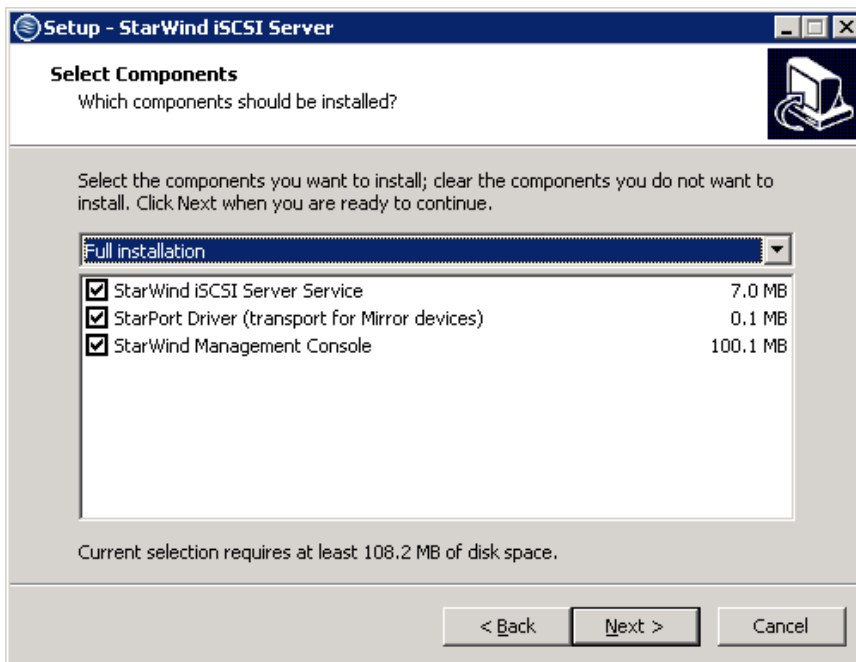
- **StarWind iSCSI Service**

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

- **StarWind Management Console**

The **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.
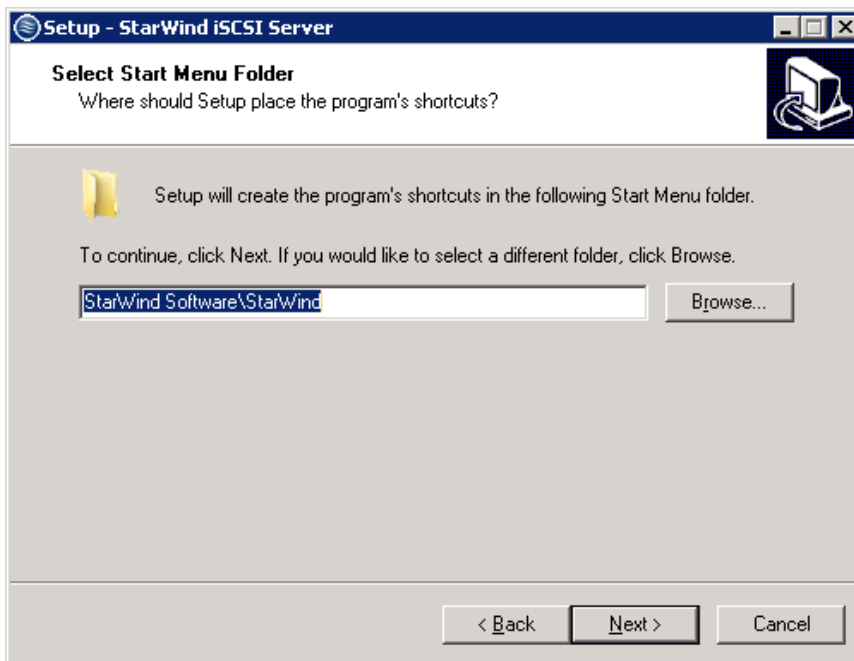
- **Full installation**

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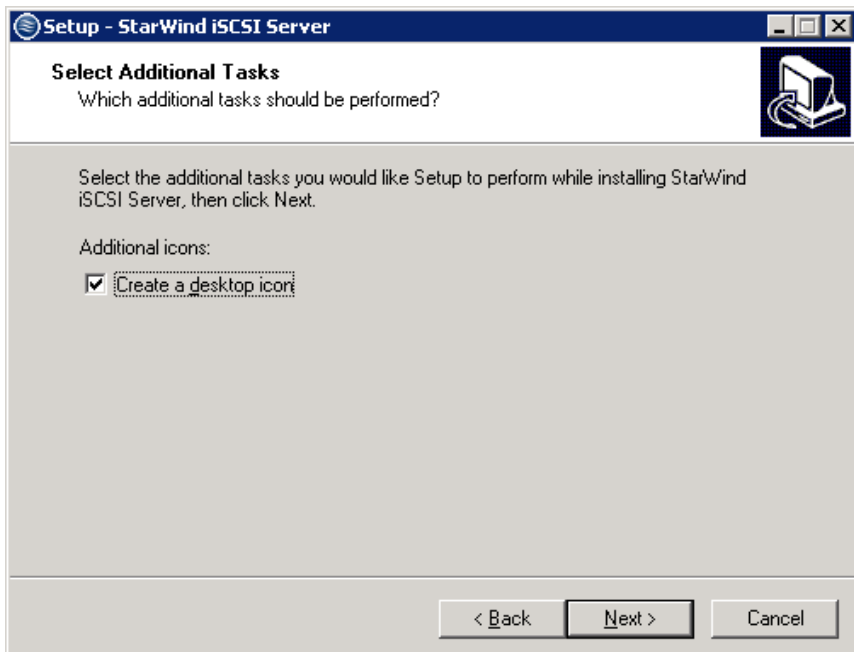

11. Click **Next** to continue.

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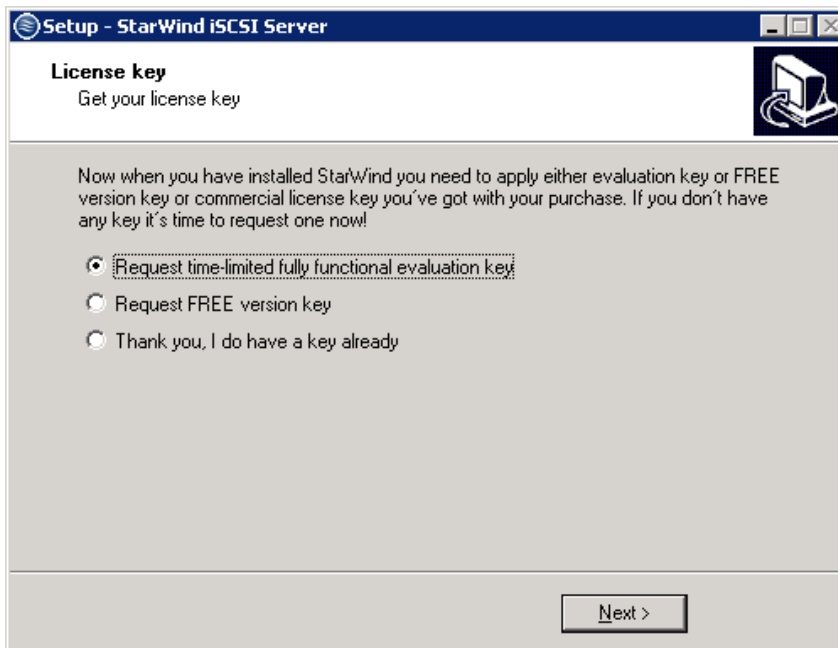

13. Click **Next** to continue.

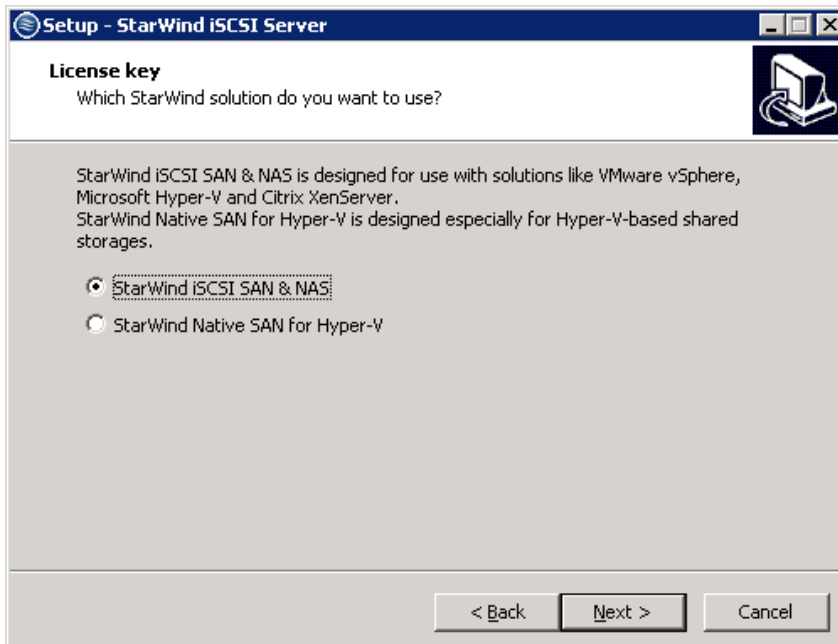14. Select the appropriate checkbox if you want to create a desktop icon.

15. Click **Next** to continue.

16. After the installation process is completed, 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.
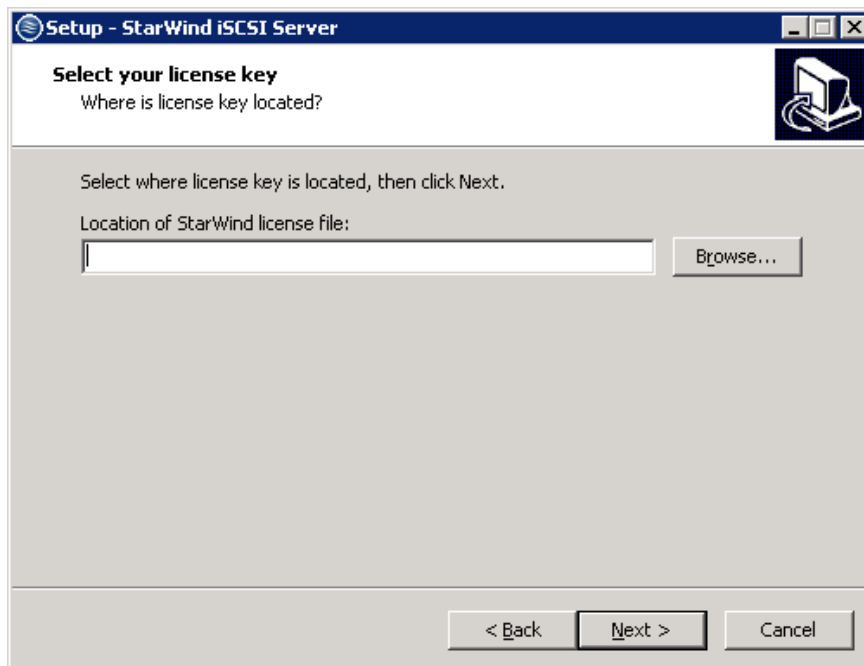

17. Click **Next** to continue.
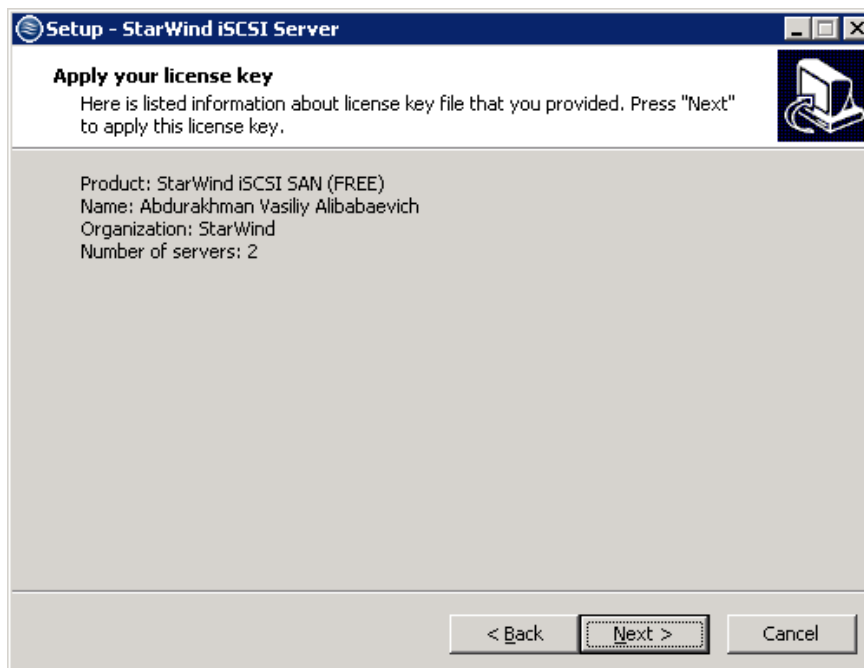18. Select a StarWind solution you are going to install.

19. Click **Next** to continue.

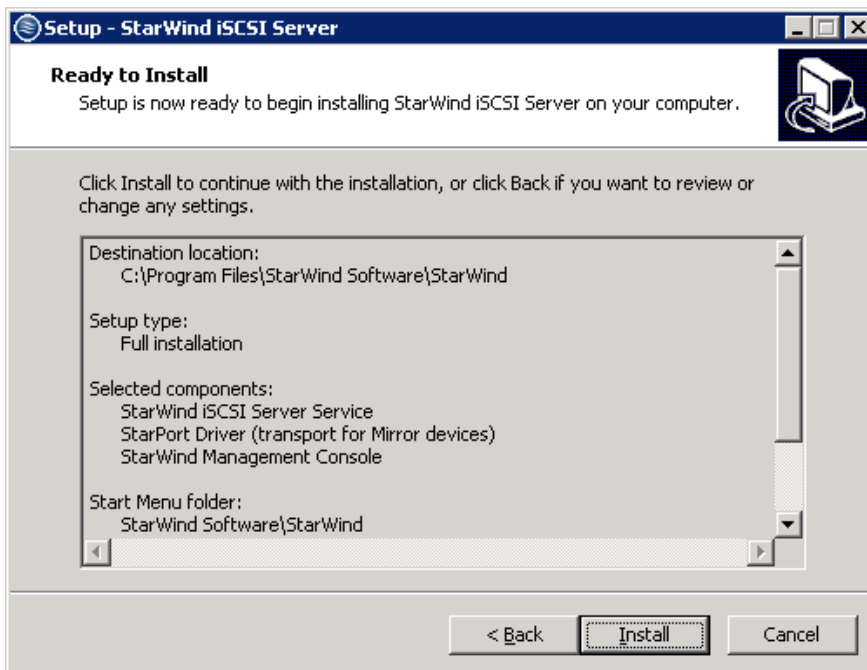20. Click **Browse** to specify the license file.

21. Click **Next** to continue.

22. Click **Next** to apply this license key.

23. Check the specified settings and click **Back** to make any changes. Click **Install** to continue.

24. Select the appropriate checkbox to launch **StarWind Management Console** immediately.

25. Click **Finish** to close the wizard.
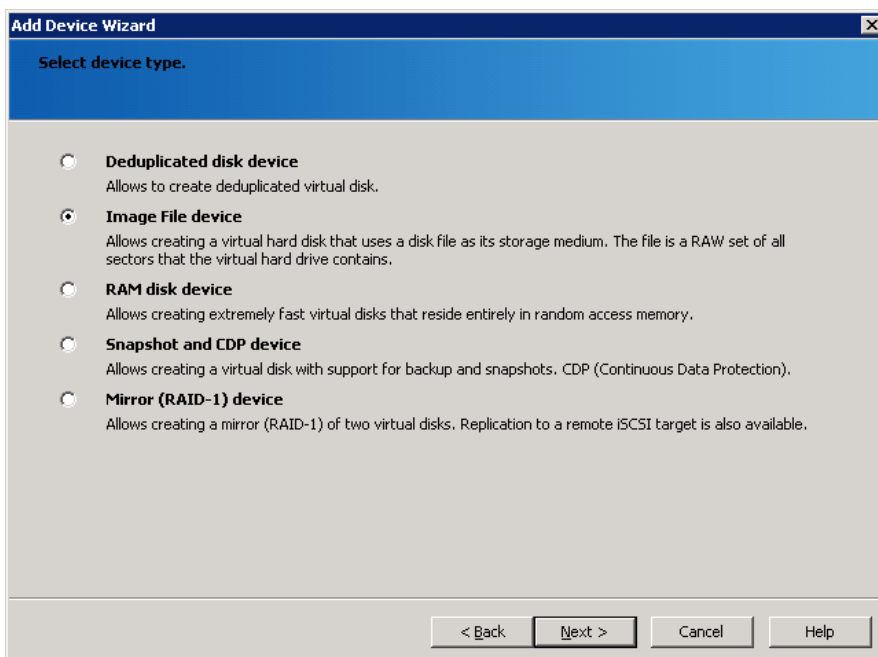
CREATING A BASIC VIRTUAL DEVICE

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

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

2. If **StarWind Service** and **Management Console** were installed on the same server, the **Console** will automatically add the host to the **Console tree** after the first launch. Then, the **Console** automatically connects to the host using the default authentication parameters.
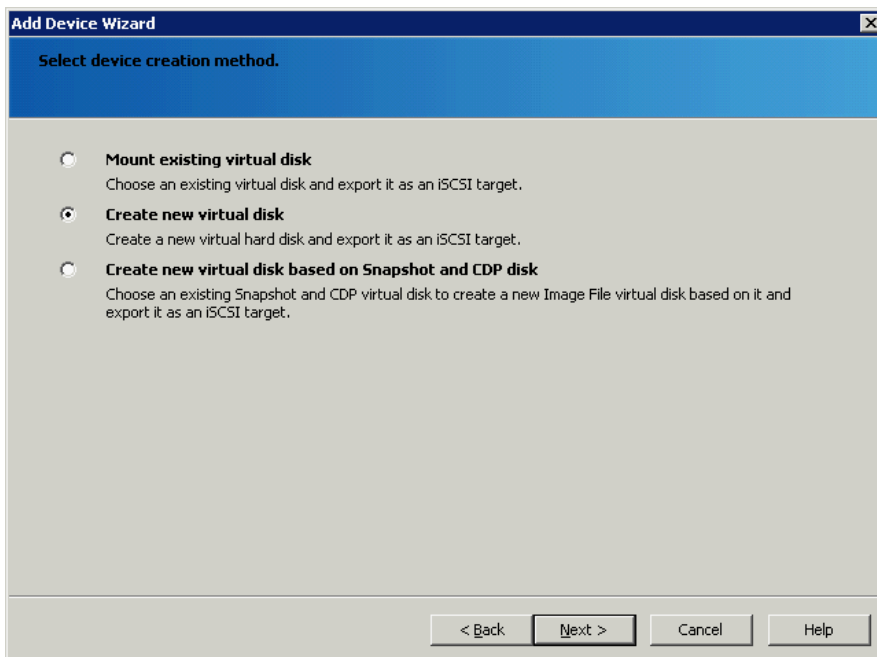
    Note: The default login and password are "root" and "starwind". You can always change them later. It's strongly recommended to change the default username/password to protect your StarWind Server from unauthorized access!

3. 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.

4. Go to **Virtual Hard Disk -> Image File device.**

5. Click **Next** to continue.

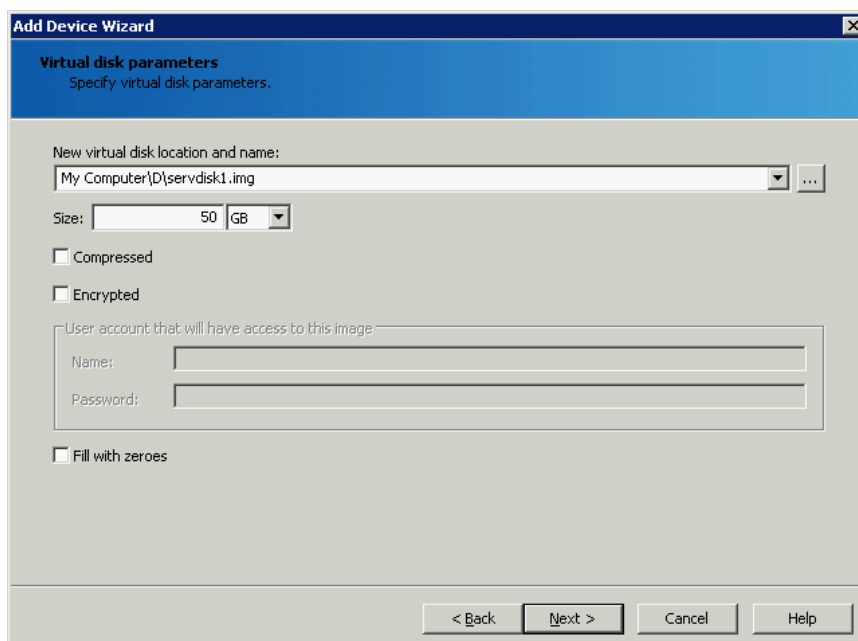6. Select the **Create new virtual disk** option.

7. Click **Next** to continue.
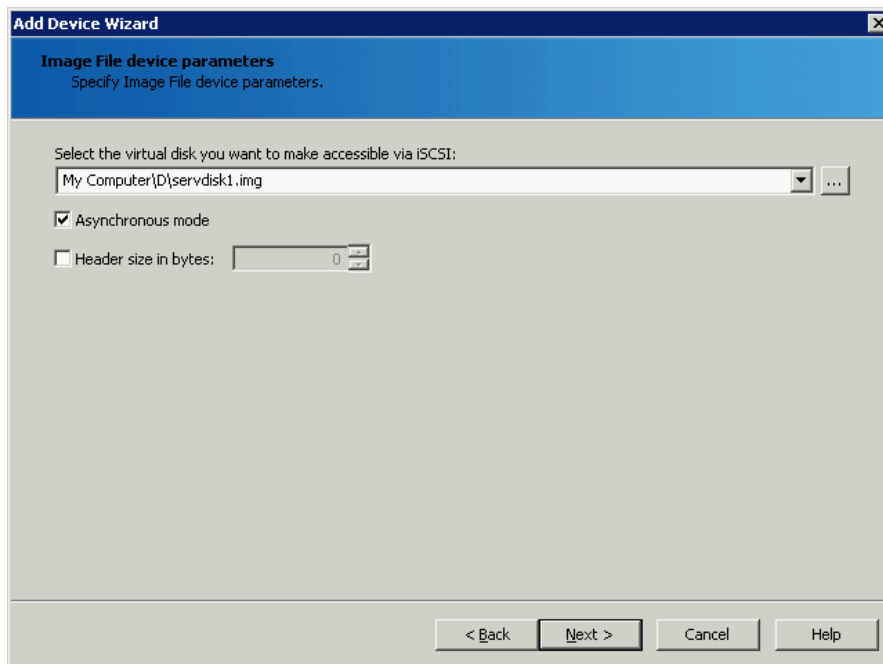8. Specify the location, name, and size of a virtual disk in the appropriate fields.

Note:

- The **Compressed** checkbox enables compression of the virtual disk.
- The **Encrypted** checkbox enables encryption of the virtual disk. StarWind uses Windows built-in encryption mechanism that can be applied to NTFS file system.
- The **Fill with zeroes** option is used for security purposes when non-trusted clients connect the virtual disk. Note that filling a large virtual disk with zeroes usually takes a long time (about 30-50 minutes per 100 GB).
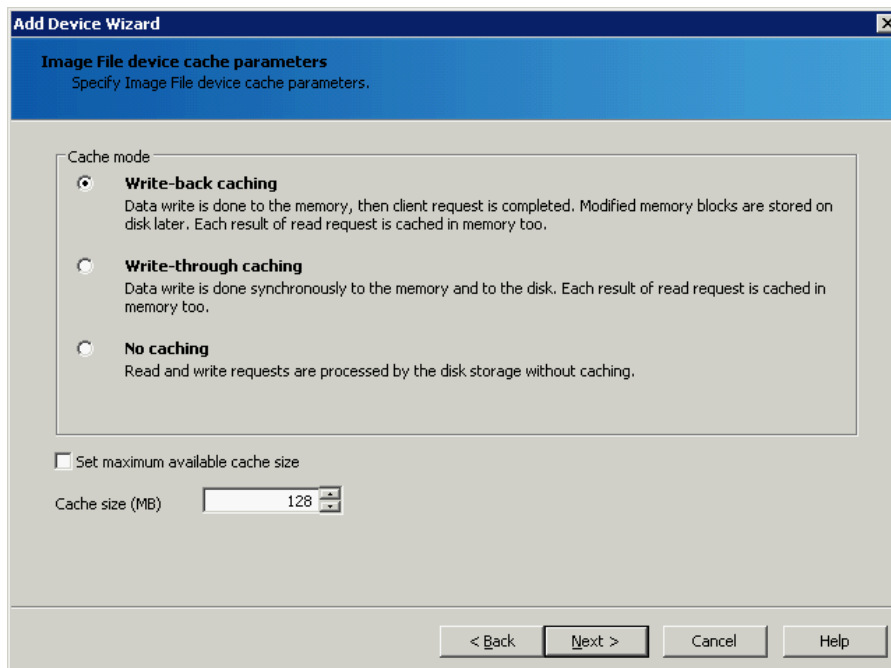

9. Click **Next** to continue.

10. If needed, set additional parameters for your virtual disk. Click **Help** to get more detailed information.
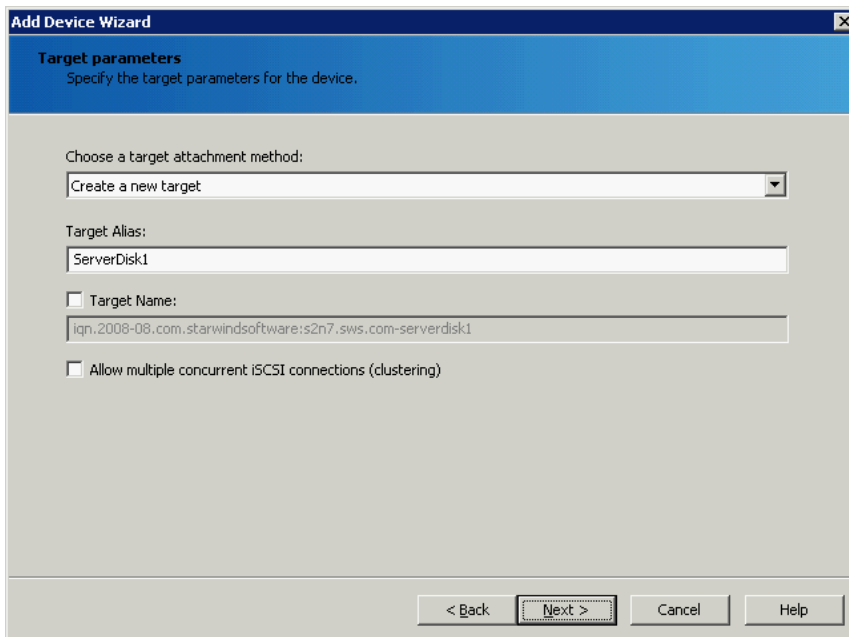

11. Click **Next** to continue.

12. Set the cache parameters for your device.   Click **Help** to get more detailed information.
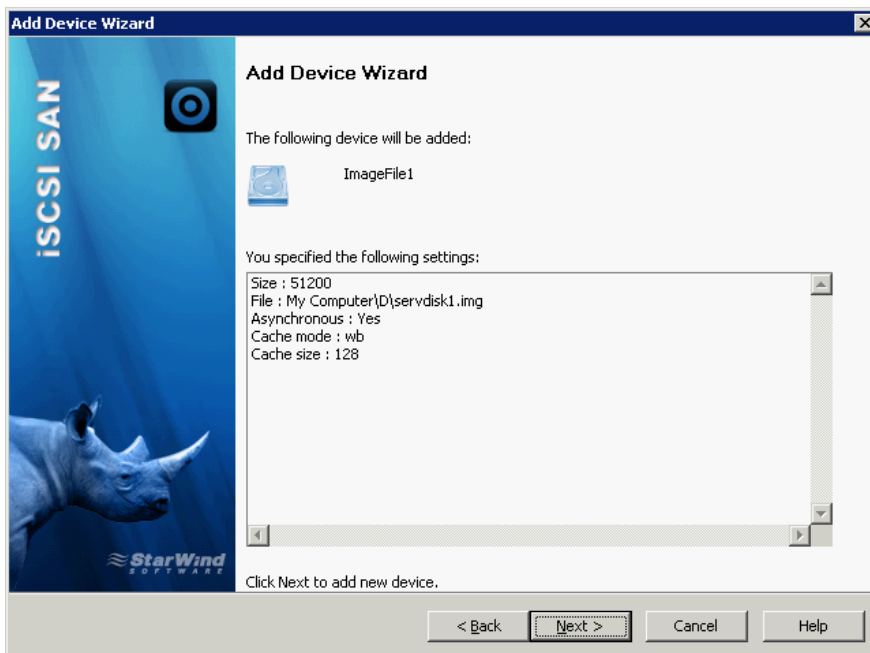

13. Click **Next** to continue.

14. Select a target attachment method. If needed (for a new target), specify the target alias and enable multiple concurrent iSCSI connections.
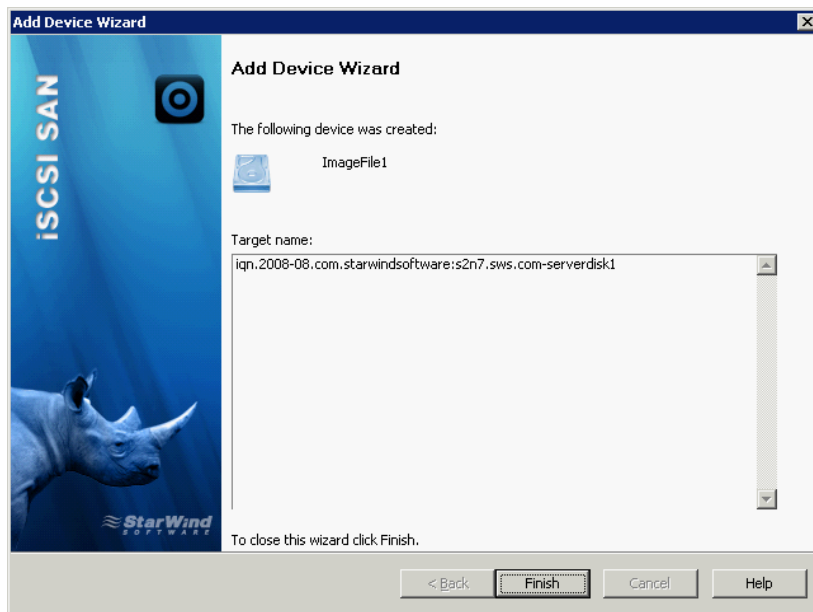

15. Check a summary of the set options. Click **Back** to make any changes.

16. Click **Next** to continue.

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

CONTACTS

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