

StarWind AoE Initiator: Using as ATA-over-Ethernet Initiator

www.starwindsoftware.com

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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 here or there. If you need further assistance, please contact us.

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Guide

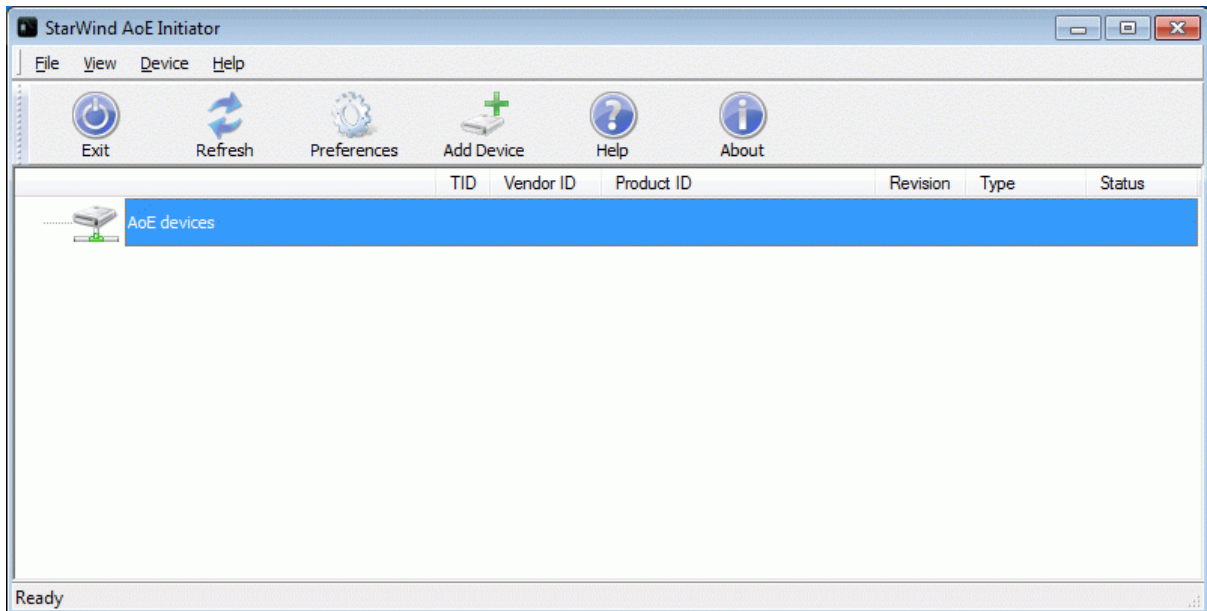
Introduction

ATA-over-Ethernet (AoE) is a network protocol designed for simple high-performance access to SATA storage devices over Ethernet. AoE does not rely on network layers above Ethernet, such as IP and TCP. It is more comparable to Fibre Channel over Ethernet than iSCSI.

StarWind AoE Initiator fully implements ATA-over-Ethernet client side protocol enabling you to connect to remote storage appliances such as Coraid®. **StarWind AoE Initiator** support enables connectivity to remote storage devices over a standard Ethernet network, regardless of where the device resides. With **StarWind AoE Initiator** and ATA-over-Ethernet, you can gain full access to a device anywhere on an Ethernet network, as though it were installed on a local machine.

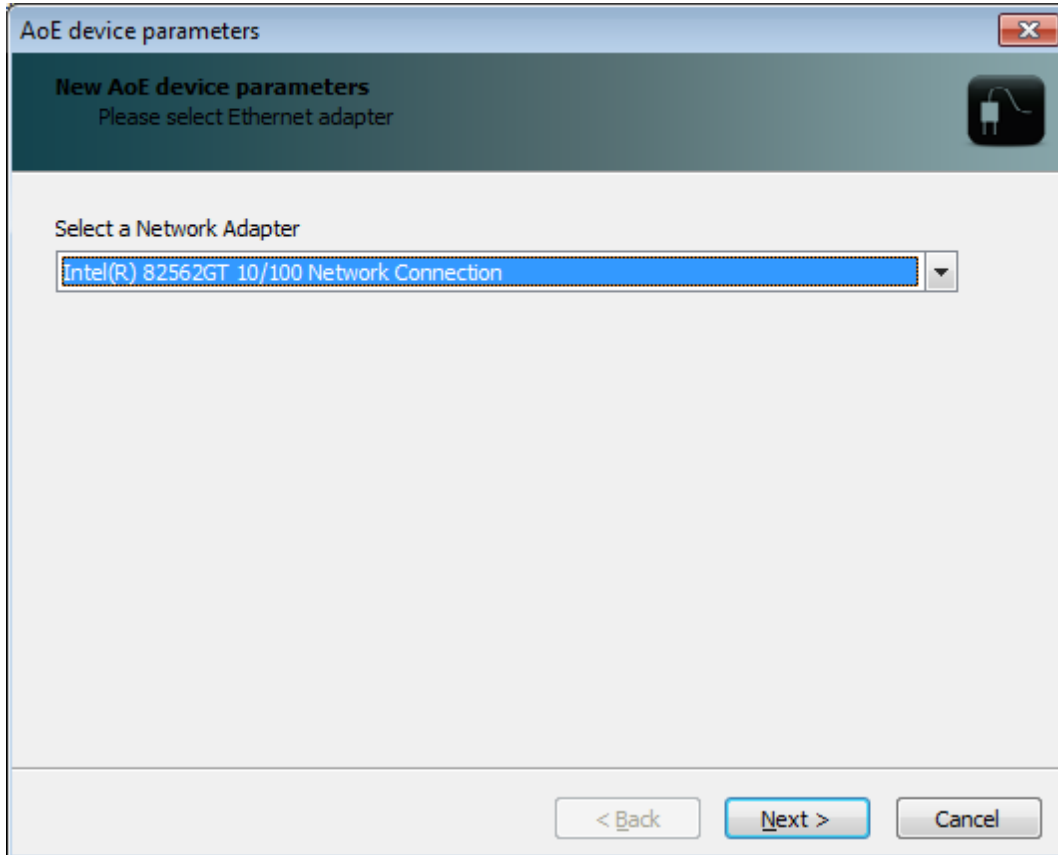
Adding new device

Launch the **StarWind AoE Initiator** control application by selecting **Start->All Programs->StarWind Software->AoE Initiator->AoE Initiator**. After the program is started its icon appears in the system tray. Double click the icon with the left mouse button or single click it with the right mouse button and select **Start Management** item from the pop-up menu. You'll see a picture like the one below:



Select **Add Device** menu item from **Device** drop down menu or just press **Add Device** button on the application tray bar. New device installation wizard (see next page for the image) will appear.

On the first step of the **New Device Installation Wizard** please select network adapter you wish to use to connect to the AoE device.



Press **Next** button to continue.

On the second step of the **New Device Installation Wizard** please specify the parameters of the AoE device you wish to add (see next page for the image):

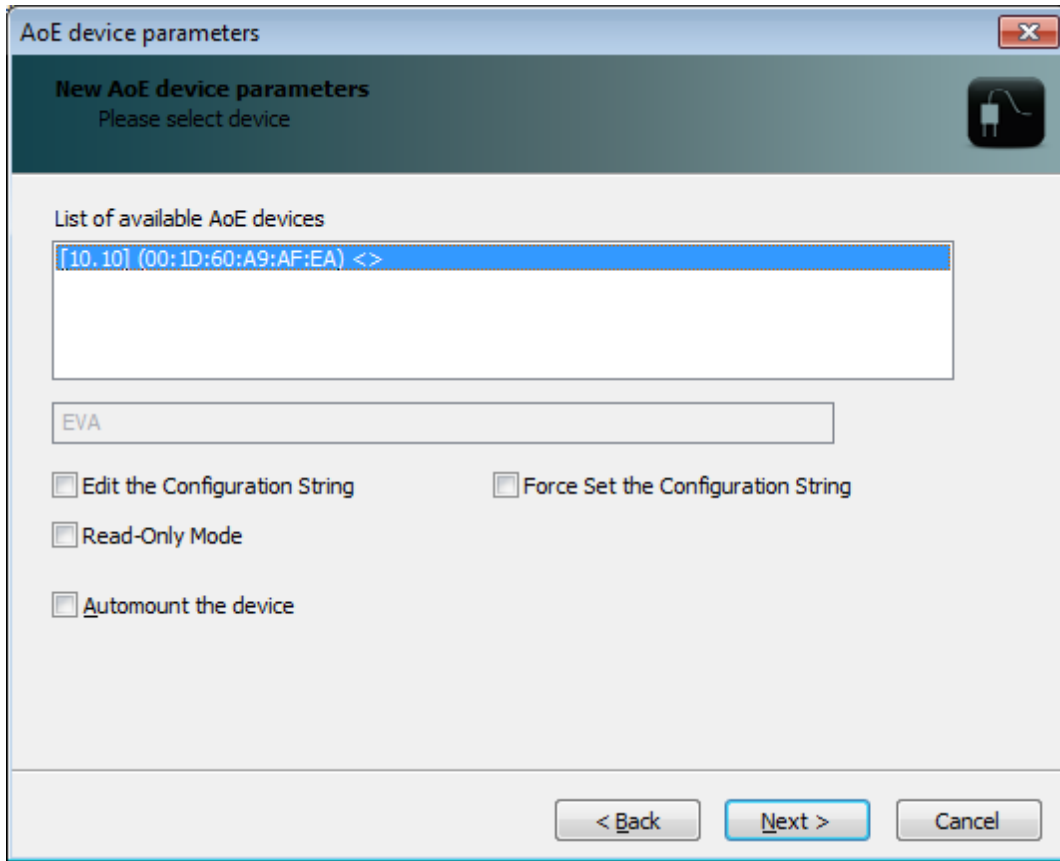
Select device you wish to add from the list of the available AoE devices.

If **Edit the Configuration String** option is selected you can specify custom AoE configuration string. By default **StarWind AoE Initiator** uses exact PC name as the configuration string. You should change the configuration string only if particular AoE device could not be mounted successfully and you are sure specified default configuration string is wrong.

Select **Force Set the Configuration String** option to overwrite the configuration string of the AoE device. In this case device's existing configuration string is changed and device is mounted with a new configuration string.

Select **Automount the device** to automatically re-create it when you restart your PC. It means an AoE device becomes available right after your PC boots and Windows starts.

Select **Read-Only Mode** if you wish to enable read-only access to the AoE device that you mount.

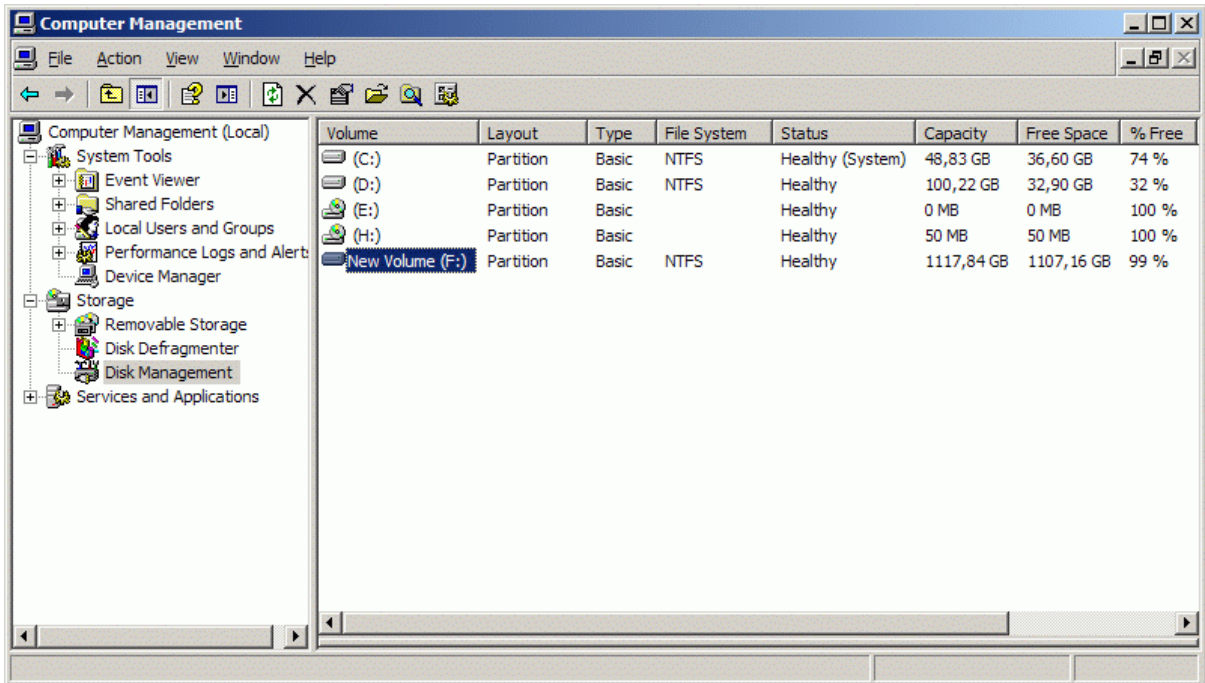
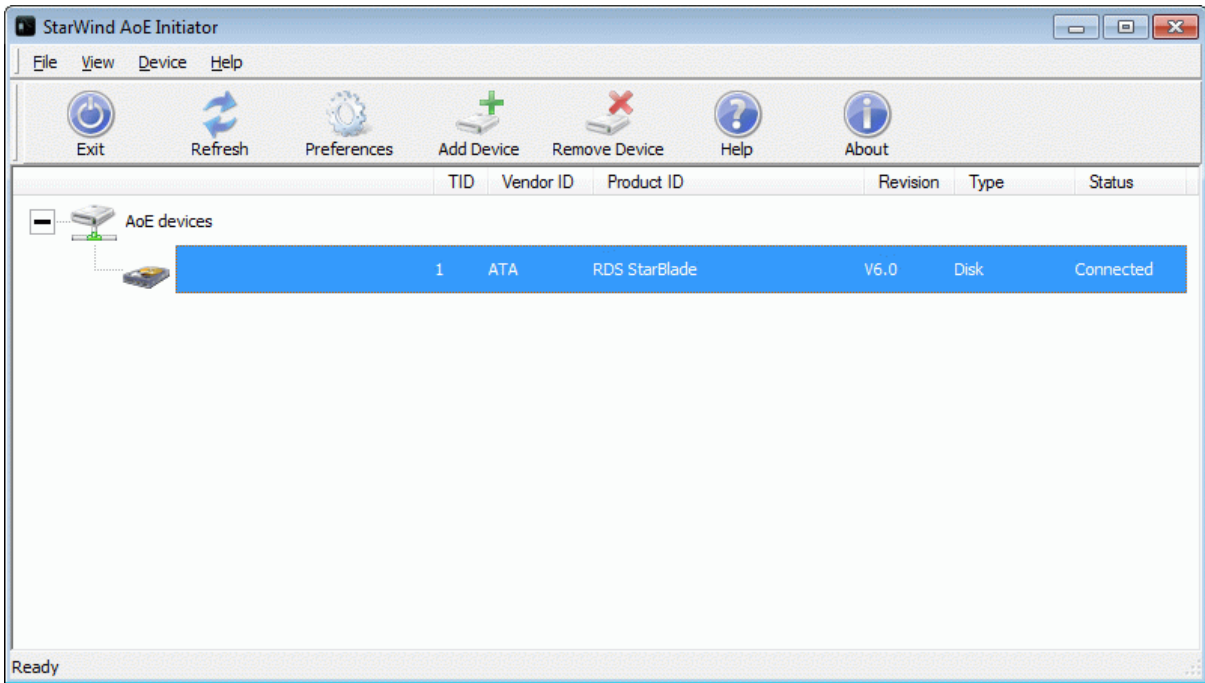


Press **Next** button to continue.

On the last step of the **New Device Installation Wizard** please confirm the installation results. If the new AoE device was installed correctly, it should appear as a new disk volume in your system. Right after that you will be able to access installed AoE device as an ordinary disk volume.

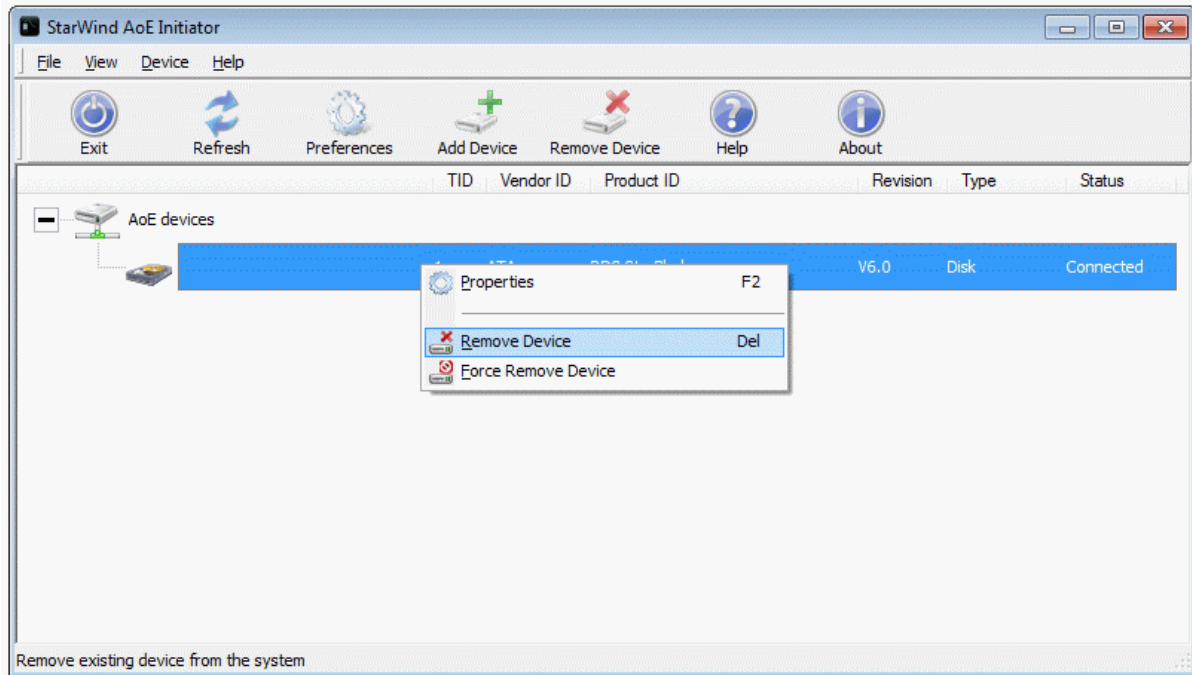


Press **Finish** button.



Removing existing device

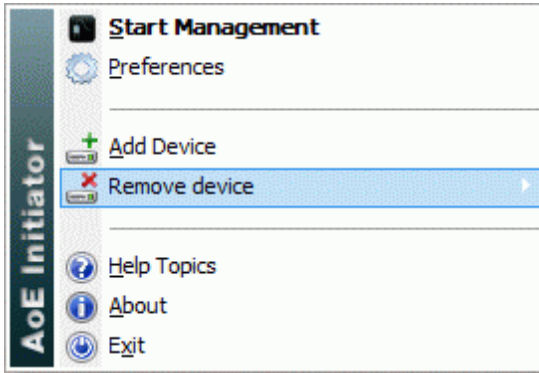
In the **StarWind AoE Initiator** control application please select the device you wish to remove and click it with the right mouse button.



Select **Remove Device** menu item from the pop-up menu that appears.

Use the **Force Remove Device** if you cannot remove a device in a normal way (e.g. it is locked by some application or process). However it is not recommended to use the **Force Remove Device** feature as it may cause loss of the data and general system instability.

Alternatively you can remove a device by doing the following: right click **StarWind AoE Initiator** icon in the system tray and find the device you wish to remove.



Contacts

Support: www.starwindsoftware.com/support

Support Forum: www.starwindsoftware.com/forums

Sales E-mail: sales@starwindsoftware.com

US Headquarters

Direct phone number: 1-617-449-7717

Fax: 1-617-507-5845

EMEA, APAC

Direct phone numbers: +44-0-2071936727

+44-0-2071936350

Voice Mail: 1-866-790-2646

StarWind Software Inc.

40 Mall Rd., Burlington

MA 01803, USA

www.starwindsoftware.com