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Paragon Boot Media Builder

Quick User Guide

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Introduction

Paragon Boot Media Builder™ is a wizard that helps you prepare a WinPE-based bootable environment on a CD/DVD/BD disc, USB thumb drive, or in an ISO image format. This type of environment contains a set of utilities that corresponds to the purchased product, and allows startup of your computer for maintenance or recovery purposes when OS is corrupted or cannot be used.

A WinPE environment offers an excellent hardware support and the same interface as the Windows version does. It provides support for network (through DHCP, or a manually configured connection), external FireWire or USB drives, enables to pre-mount network shares and inject drivers for special storage controllers and network cards.



Our company is constantly releasing new versions and updates to its software, that's why images shown in this manual may be different from what you see on your screen.

Key Features

- Build a WinPE environment on CD/DVD/BD, flash memory, or in an ISO image format;
- Clone a previously built WinPE environment on CD/DVD/BD or flash memory with the option to inject additional drivers in the process;
- Inject custom drivers for storage devices and network controllers during preparation;
- Set up a network connection with a pre-mounted network share during preparation;
- Supported formats of laser discs: CD-R/RW, DVD-R/RW, DVD+R/RW, DVD-R, DVD+R double layer, Blu-ray.

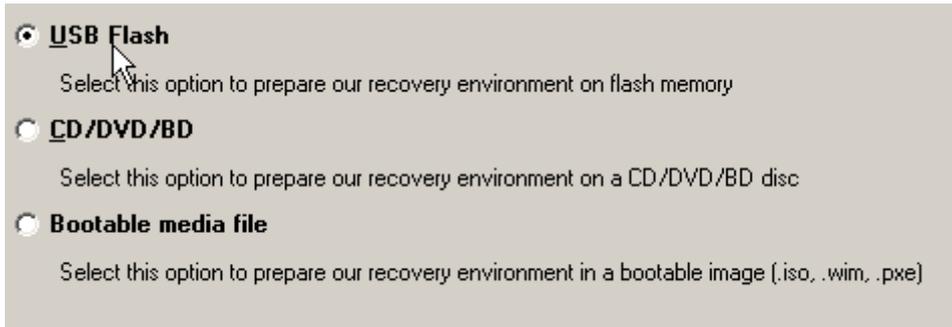
Building a WinPE Environment on a Thumb Drive

Before you launch Boot Media Builder please make sure you've got either Windows Automated Installation Kit (WAIK) or OEM Preinstallation Kit (OPK) installed in your system. Otherwise, you won't be able to accomplish the operation.

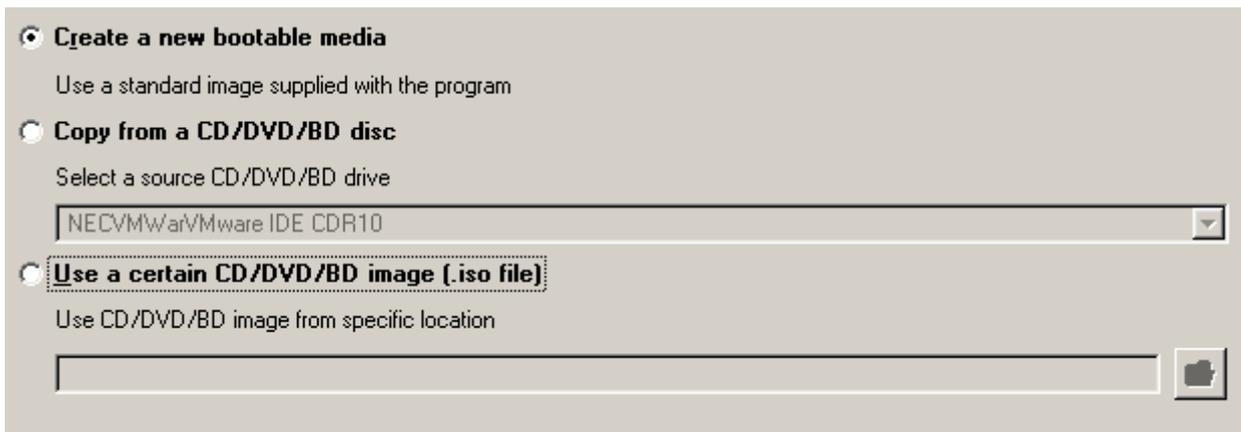


WAIK is a Microsoft's proprietary tool and can be obtained from its [Download Center](#) for free. Please note that you need a genuine Windows installation to be able to download this tool. Moreover you will need to download a version, which is suitable for your Windows OS – Boot Media Builder automatically detects your system and offers [the required download link](#).

1. Plug in a thumb drive of at least 250 MBs in size. Please note all data on that drive will be deleted.
2. Select: **Start > Programs > Paragon Software > Boot Media Builder**.
3. The welcome page introduces the wizard's functionality. Please click **Next**.
4. Select **USB Flash**. The other two options enable to prepare a bootable environment either on a CD/DVD/BD disc or in an ISO image format.



5. Select **Create a new bootable media**. The second and the third options enable to make a clone of previously prepared environments with the option to inject additional drivers if necessary.



6. If you install WAIK or OEM Preinstallation Kit by their default locations, the wizard automatically detects it. Otherwise, you will need to browse for the required folder. If you haven't installed one of these tools yet, click **Download WAIK** to get it directly from the Microsoft website.



The wizard won't continue until you install WAIK or OEM Preinstallation Kit.

7. As the next step you're to set up a network connection if needed. You've got several options to choose from:

Connect to the network automatically after the startup:

Network Parameters

A network adapter to use:

Obtain an IP address from a DHCP server

Specify an address

IP address:

Subnet mask:

DNS:

Connect to the network manually after the startup

No network support

- **Connect to the network automatically after the startup (recommended).** Specify the following parameters if you'd like to have an active network connection once the bootable environment has been started:
 - **A network adapter to use.** Select a network adapter (if several in the system) to be used for the network connection.
 - **IP address settings.** Choose whether to get an IP address automatically from a DHCP server or set it manually.
- **Connect to the network manually after the startup.** You will be prompted to set up a network connection once the bootable environment has been started.
- **No network support.**

8. Next you're to pre-mount a network share if needed. You've got several options to choose from:

Mount a backup storage automatically after the startup:

Authentication

User:

Password:

Mount a backup storage manually after the startup

Do not mount a backup storage

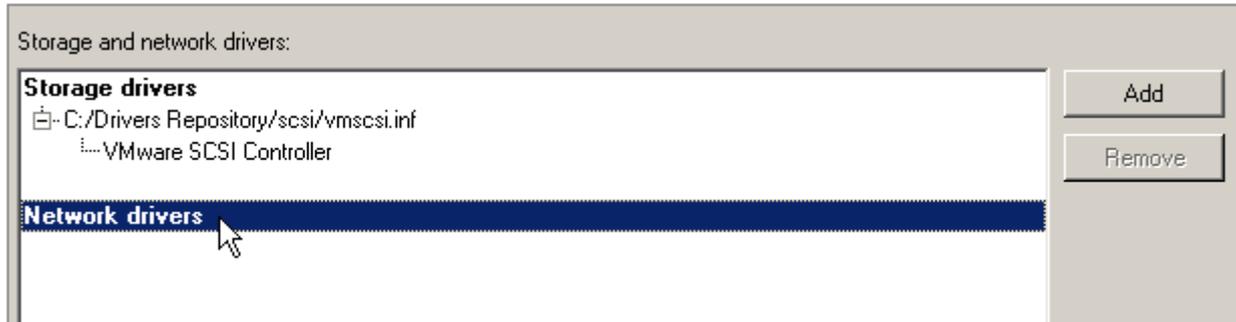
- **Mount a backup storage automatically after the startup (recommended).** Manually type in a path to the required network share or click **Browse** to find it, then provide user credentials if necessary.



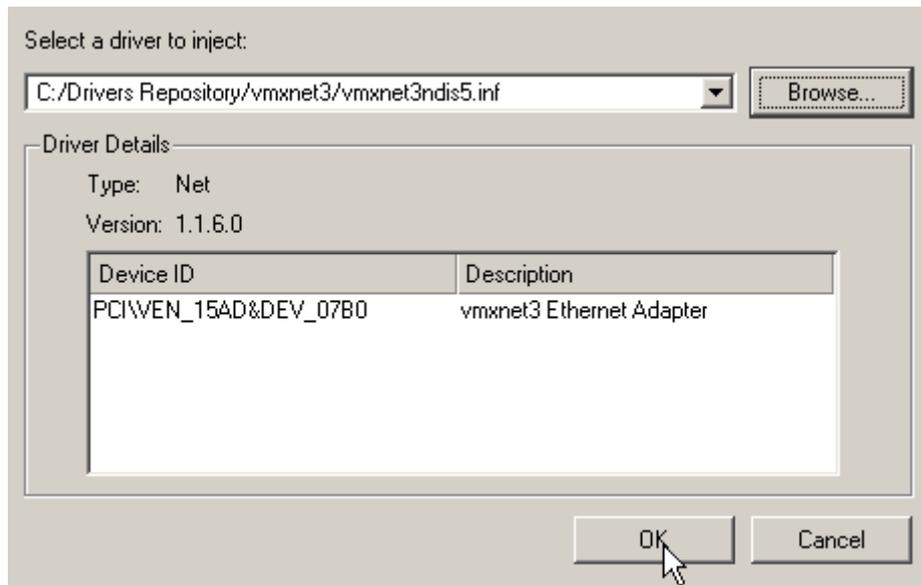
With no pre-defined user credentials your network share will be attempted to map under the Guest account.

You should use back slashes when providing a network path, like \\server\share.

- **Mount a backup storage manually after the startup.** You will be prompted to map a network share once the bootable environment has been started.
 - **Do not mount a backup storage.**
9. The next page allows injection of drivers for special storage controllers and network cards. Click on the desired section, then click **Add**.

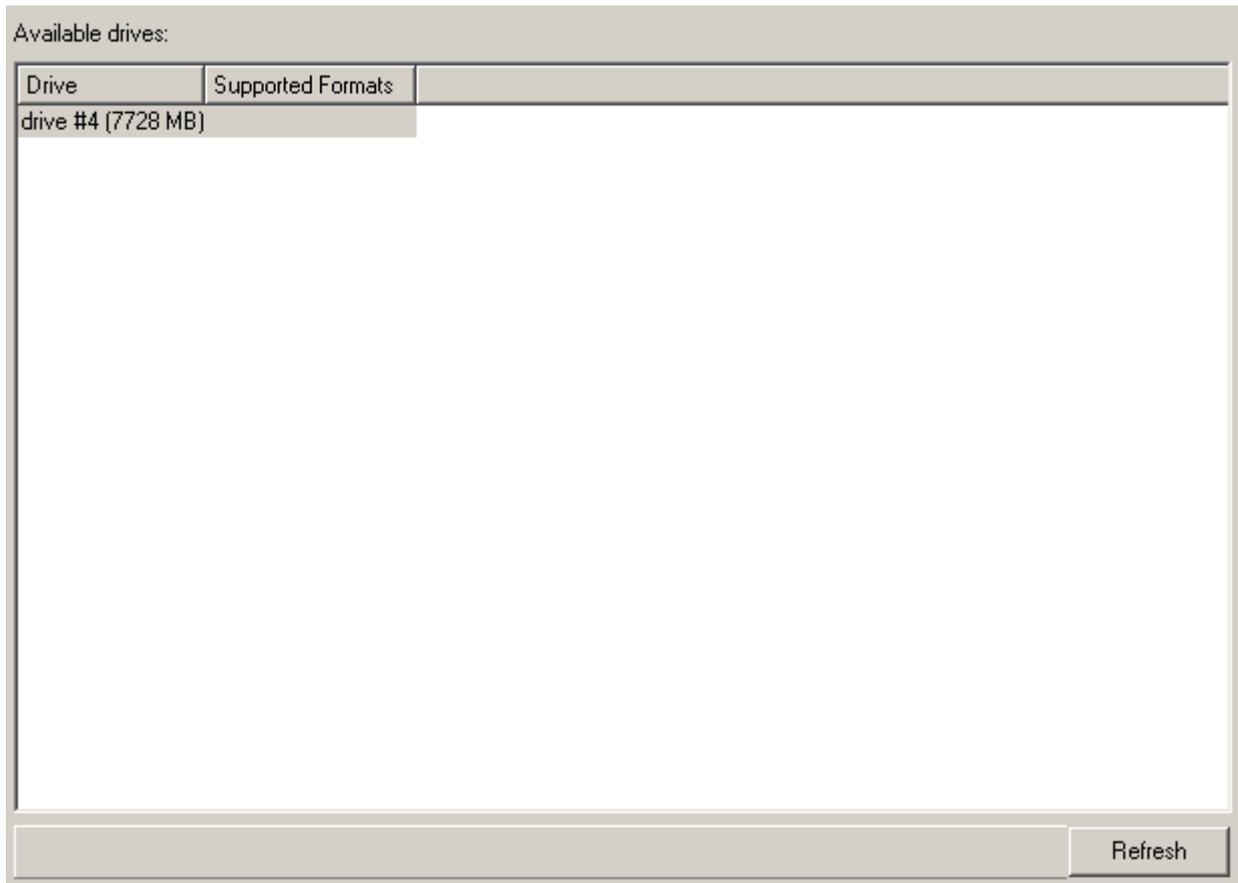


In the opened dialog click **Browse** to find an .inf file of the required driver or manually set a path to it. In the **Driver Details** section you can see properties of the selected driver. Click **OK** when ready.

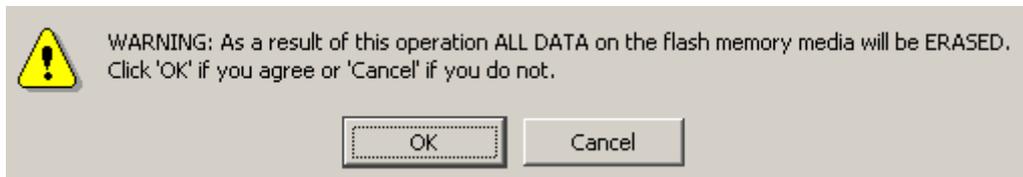


Only .sys drivers are allowed to inject.

10. Select a thumb drive from the list of flash memory devices available in the system at the moment (if several). If you haven't plugged it in yet, do it now, then click **Refresh** to see it on the list.



11. You will have to confirm the operation.



All data on the selected drive will be deleted.

The wizard starts the operation immediately after confirmation. As a result, you receive the required bootable media.

Contacting Paragon Software

If you have any questions about the company products, please do not hesitate to contact Paragon Software.

Service	Contact
Visit Paragon web site	www.paragon-software.com
Registration & updates web-service	kb.paragon-software.com
Knowledge Base & Technical Support	kb.paragon-software.com

Pre-sale information

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Unfortunately, the company can only provide technical support in the following languages at the present time: English, German, French and Russian. We are really sorry for possible inconvenience.
