EaseUS Todo Backup PXE Server

----New added in EaseUS Todo Backup 4.6


EaseUS Todo Backup PXE Server allows IT administrator to remotely boot machine from the network to the recovery environment for backup and restore, especially most useful for system recovery and system deployment.

What's PXE?

PXE is short for Preboot eXecution Environment or Pre-Execution Environment. It allows computers to boot through network even without hard disk, especially there are no CD-Rom and removable devices for system recovery. You can create a Windows operating system image in order for PXE boot Windows. All computers in the network can boot up from only one image so that it's much more easily and efficiently for the daily maintaining. Just need to operate the image one time while all computers using this image will get changed.

PXE boot can help an IT administrator reducing the daily workload. As an IT administrator responsible for a network with dozens of computers or more, you much spend much time to troubleshoot, and even sometimes you need to do system recovery and system deployment for many computers. That's a lot of work, especially if you have to do it several times a week. However, PXE boot solution can help you out of such annoyance.
Benefits at a glance

- Reduce power and cooling requirements.
- Reduce complexity and risk.
- Improve critical system availability.
- Significantly reduce initial capital and implementation costs.
- Implement enhanced disaster recovery solutions.
- Accelerate system deployments & upgrades and software installations

How to set up a machine to boot from PXE?

The machine’s BIOS must support network booting.

To Boot the machine from the network, the BIOS must be configured. The network interface card must be either the first boot device, or at least prior to the hard drive device. The example below shows one of BIOS configurations.
EaseUS Todo Backup PXE Server

EaseUS Todo Backup PXE Server lets you boot machines from your network into the recovery environment (either based on Linux or WinPE) for system recovery or system deployment.

By booting from your network, you don’t need to install the bootable CD or DVD into the system that has to be booted.

Booting multiple machines from the EaseUS Todo Backup PXE Server makes sense if there is a Dynamic Host Control Protocol (DHCP) server on your network. Then the network interfaces of the booted machines will automatically obtain IP addresses.
Install EaseUS Todo Backup PXE Server

1. Run the EaseUS Todo Backup 4.6 setup file.
3. Enable PXE on the main interface below:

![EaseUS Todo Backup Interface]

Launch EaseUS Todo Backup from PXE

1. Enable PXE from the main interface of EaseUS Todo Backup on the server.
2. Set up network interface card as the first boot device on the client.
3. After loading EaseUS Todo Backup from network, EaseUS Todo Backup is launched below:
Now you can backup and restore with EaseUS Todo Backup.

**Case Study**

**Case 1: System recovery**

I am a technicist and manage 40 computers in the company. There is no CD-Rom and removable devices for the 40 computers to restore system, but I have backed up the OS, how to restore system when the system fails?

**Solution:**

1. Enable PXE from main interface of Todo Backup on the server.
2. Set up network interface card as the first boot device on the client.
<table>
<thead>
<tr>
<th>PhoenixBIOS Setup Utility</th>
<th>Item Specific Help</th>
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<tr>
<td><strong>Main</strong></td>
<td>Keys used to view or configure devices: &lt;Enter&gt; expands or collapses devices with a + or - &lt;Ctrl&gt;Enter expands all &lt;-&gt; and &lt;-&gt; moves the device up or down. &lt;n&gt; May move removable device between Hard Disk or Removable Disk &lt;d&gt; Remove a device that is not installed.</td>
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<td><strong>Advanced</strong></td>
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<td><strong>Boot</strong></td>
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<th>F1</th>
<th>Help</th>
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<th>Select Item</th>
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<th>Change Values</th>
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<tr>
<td>Esc</td>
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<td>Select Menu</td>
<td>Enter</td>
<td>Select ▶ Sub-Menu</td>
<td>F10</td>
<td>Save and Exit</td>
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3. Launch Todo Backup from your network.
4. Select "System recovery" from the main interface of Todo Backup.

5. Start system restore.

More details about system backup and system recovery, refer to: http://www.todo-backup.com/support/tutorial/system-state-backup-and-restore.htm

Case 2: System deployment

I am an IT administrator and manage the 40 new machines which have the same configurations. There is no CD-Rom and removable devices for the new machines to install the operating system. It is a time-consuming job to install the operating system and applications on every machine. How to do it?
Solution:
1. Install the operating system and applications on one machine.
2. Backup the system with Todo Backup on this machine and save the image to the network share.


3. Enable Todo Backup PXE Server on the server.
4. Set up network interface card as the first boot device on the client.
5. Launch Todo Backup from your network on the machine which needs to install the operating system and applications.
6. Use "Recover to dissimilar hardware" to restore system to the local hard disk.
More details about "Recover to dissimilar hardware", refer to: [http://www.todo-backup.com/support/tutorial/redeploy-system-to-dissimilar-hardware.htm](http://www.todo-backup.com/support/tutorial/redeploy-system-to-dissimilar-hardware.htm)

7. After restore, repeat step 4, 5, 6 on other machines.

**Tech support**

For more information about EaseUS Todo Backup, please visit our website: [http://www.todo-backup.com](http://www.todo-backup.com)

If you cannot find what you are looking for and need further assistance, we encourage you to contact EaseUS Technical Support by support@todo-backup.com.