Symantec Boot Disk Creator Help

Symantec

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Contacting Technical Support

Customers with a current support agreement may access Technical Support information at the following URL:

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Before contacting Technical Support, make sure you have satisfied the system requirements that are listed in your product documentation. Also, you should be at the computer on which the problem occurred, in case it is necessary to replicate the problem.

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- Product release level
- Hardware information

- Available memory, disk space, and NIC information
- Operating system
- Version and patch level
- Network topology
- Router, gateway, and IP address information
- Problem description:
  - Error messages and log files
  - Troubleshooting that was performed before contacting Symantec
  - Recent software configuration changes and network changes

Licensing and registration

If your Symantec product requires registration or a license key, access our technical support Web page at the following URL:

www.symantec.com/business/support/

Customer service

Customer service information is available at the following URL:

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- Questions regarding product licensing or serialization
- Product registration updates, such as address or name changes
- General product information (features, language availability, local dealers)
- Latest information about product updates and upgrades
- Information about upgrade assurance and support contracts
- Information about the Symantec Buying Programs
- Advice about Symantec's technical support options
- Nontechnical presales questions
- Issues that are related to CD-ROMs, DVDs, or manuals

Support agreement resources

If you want to contact Symantec regarding an existing support agreement, please contact the support agreement administration team for your region as follows:

Asia-Pacific and Japan	customercare_apj@symantec.com
Europe, Middle-East, and Africa	semea@symantec.com
North America and Latin America	supportsolutions@symantec.com

Contents

Chapter 1

Symantec Boot Disk Creator Help

This chapter includes the following topics:

Introduction to Symantec Boot Disk Creator

Symantec Boot Disk Creator (BDC) creates and configures the boot images that are used to start computers in the preboot automation environment. These images leverage WinPE, and Linux operating systems and include native Ghost Solution Suite Agents to run the assigned tasks.

The Ghost Solution Suite automation tasks include the following:

- Run Script
- Create Disk Image
- Distribute Disk Image
- Scripted OS Install
- Backup Registry
- Restore Registry

Before creating configurations, you must first install the preboot operating system files for the types of preboot configurations that you want to create.

See "Install Pre-boot Operating System Files" on page 33.

After you have installed the preboot operating systems, refer to the following section:

See “Create Boot Disk” on page 24.

Boot Configuration Creation Process

The **New Configuration Wizard** is the main process of Boot Disk Creator. This is how you select the type of preboot environment configuration that you want to create, along with other settings, such as the type of network adapter, network server information, TCP/IP information, and so on.

After the wizard completes, the **Create Boot Disk Wizard** automatically appears. This is the production process of Boot Disk Creator that lets you select the boot disk creation method to implement the configuration you created. Network and automation boot disks can create ISO images, which you can save to bootable CDs using your own third-party CD-burning software; or you can select a flash drive from the **Bootable drive** drop-down list. You can also create a Windows Installation package to run in a Windows production environment, which installs an embedded (recommended) or hidden automation partition on the client computer's hard drive.

See “Automation Partitions, Network and Automation Boot Disks” on page 24.

If you create an Automation boot disk, the Automation Agent is added to the configuration so that when you boot client computers, they try to connect to the Ghost Solution Suite Server. If you select Network boot disk, client computers boot to the network server you specified in the **New Configuration Wizard**, displaying only a user's prompt.

See “New Configuration Wizard” on page 13.

You can also access **Boot Disk Creator** from the **PXE Configuration Utility**, so that you can create boot menu options using the **New Configuration Wizard**. You can also create boot configurations directly from **Boot Disk Creator** and import the boot images into the **PXE Configuration Utility**. The **PXE Configuration** Import feature lets you import images created by **Boot Disk Creator** or any other third-party imaging software, but you cannot edit the boot images after importing them. See *PXE Configuration Utility Help*.

To help you manage the configurations you create, Boot Disk Creator uses colors to inform you about the type of preboot configuration you are editing. The colors on the display change when you select a configuration from **Configurations** in the left pane of the utility.

The colors indicate the following:

- Black - No configuration is selected or there are no configurations to select.
- Green - Linux configuration.

- Red - WinPE configuration.

See "Edit Configuration" on page 21.

The Boot Disk Creator Utility is easy to use because each process guides you through the settings and options that you can select to create preboot environment configurations to help manage automation tasks used by the Ghost Solution Suite Server.

To start the **Boot Disk Creator** tool, open the Ghost Solution Suite Console and navigate to **Tools > Boot Disk Creator**.

Toolbar Description

The icons on the Boot Disk Creator toolbar help you navigate easily between the tasks that you want to perform.

The options are:

Table 1-1 Toolbar description

Icons	Description
	**New Configuration Wizard**: Creates new configurations that are used when booting client computers to automation or a network prompt. See "New Configuration Wizard" on page 13.
	**Create an Automation Install Package**: Creates an installation program that installs an embedded automation partition. See "Create Automation Partition Install Package" on page 25.
	**Remove Automation Partition**: Creates an installation program that can be assigned to a computer to remove an automation partition. See "Remove Automation Partition" on page 30.
	**Create Automation Boot Disk**: Creates automation boot disks to manually boot client computers to automation. See "Create Automation Boot Disk" on page 27.

Table 1-1 Toolbar description *(continued)*

Icons	Description
	**Create Network Boot Disk**: Creates network boot disks to manually boot client computers to a specified network server. See "Create Network Boot Disk" on page 28.

Chapter 2

New Configuration Wizard

This chapter includes the following topics:

New Configuration Wizard

You can create multiple configurations to support varying types of computer environments. Before you begin, you must install the preboot operating system files that **Boot Disk Creator** uses to create new configurations.

See "Install Pre-boot Operating System Files" on page 33.

To start the **New Configuration Wizard**, open the **Boot Disk Creator**, and navigate to **File > New Configuration**. on the toolbar of the Boot Disk Creator tool.

Alternately, in the **Boot Disk Creator**, you can use **Ctrl+N** to open the **New Configuration** dialog box.

Configuration Name

This is the first page of the New Configuration Wizard, which is the same for Linux, or WinPE. The description field is optional, but helps you know what the configuration contains, such as the file server type, NIC drivers, and any additional files you want to add.

Table 2-1 Field Definitions

Item	Description
Name	The configuration name you enter appears in **Configurations** in the left pane after the wizard completes.
Description	Enter a description for the configuration. (Example: Enter the type of computer, operating system, network adapter, and any other characteristics that help you identify this particular configuration.) After the Create Configuration and Create Boot Disk wizards complete, if you select the configuration from the left pane, the description that you enter for this field appears at the top of the right pane.
Pre-boot Operating System for this Configuration	Boot Disk Creator supports Linux, and WinPE 5.x operating systems. You can use these operating systems to create preboot environments. Select the preboot operating system and click **Install Pre-boot Operating System Files** to install the preboot operating system files. See "Install Pre-boot Operating System Files" on page 33.

Network Adapters

The drivers listed in the **Network Adapters** window vary depending on the type of configuration you create. You can install preboot operating system files for Linux, or WinPE.

See “Install Pre-boot Operating System Files” on page 33.

After installing the preboot operating system files for WinPE, the Windows NIC drivers that are available to create a WinPE configuration appear and are automatically added to the new configuration. If you select **Auto-detect all network adapters**, WinPE determines the network adapter driver to use.

Note: This option is available only for WinPE, and is selected by default.

Select a driver from the network adapter drivers list. You must create a new configuration for each type of network adapter that is installed on the client computers, unless you want to create a Multi-NIC configuration.

If the network adapter you want does not appear in the list, click **Have Disk**, **Internet**, or **Advanced** (if they are available for the type of configuration you are creating) to add additional drivers.

See “Have Disk” on page 15., See “Internet” on page 15.

Field Definition

Auto-detect all network adapters: Select this for WinPE to auto-detect the type of adapter in a client computer when the boot image runs.

Have Disk

You can add network adapter drivers by using any disk media or by navigating to a folder. You can download network adapters from the manufacturer's website and save to a folder or a disk to install later. New network adapters come with a floppy disk or CD to install the appropriate drivers.

Internet

Symantec supports many manufacturer network adapters as well as a website for you to download the latest NIC drivers. From the Network Adapters page, click **Internet** to launch the web browser and connect to ftp://support.Symantec.com/support/NIC_drivers/. Download the driver you want and unzip the files to a folder on the hard drive. Click **Add Driver** and the driver you download is added to the Network Adapters list.

TCP/IP Protocol Settings

This page lets you set up TCP/IP protocol settings for boot configurations. TCP/IP is the default protocol when client computers boot to automation on a Windows network. If you use the IPX protocol, Ghost Solution Suite Server uses its own IP stack to work on IPX networks.

Table 2-2 Field Definitions

Item	Description
Obtain an IP address from a DHCP server	Select this option if you want client computers to obtain an IP address from a DHCP server.
Use a static IP address	Select this option if you want to assign a specific IP address to a client computer that is using this configuration. Enter an **IP address**, **Subnet mask**, and **Default gateway**. You can also enter a **Primary WINS server** address and a **Secondary WINS server** address if you need to resolve IP addresses and naming conventions. You must create a configuration for each client computer so that the IP address is not the same for all computers.

Symantec Ghost Solution Suite Server Communication

This option lets you set communication properties for the Ghost Solution Suite Server. The **Ghost Solution Suite Server IP address** and **Port** fields are critical because they define the way client computers establish communications with the Ghost Solution Suite Server.

Example: The **TCP port** on the Ghost Solution Suite Server is set to 402 and the **Port** field in the Boot Disk configuration is set to 502. These settings prevent client computers from communicating with the Ghost Solution Suite Server because the port numbers do not match. To establish communications between client computers and the Ghost Solution Suite Server, change the Port field in the Boot Disk configuration to 402.

Note: The settings on this page are used only if you create an automation boot image where the Automation Agent needs to know how to find the Ghost Solution Suite Server. If you want to create a network boot disk, you can ignore this page by clicking **Next** because none of the properties are used to create a network boot image.

To set the TCP port on the Ghost Solution Suite Server

1. From the Ghost Solution Suite Server, click **Start > Control Panel > Symantec Ghost Solution Suite Server > Options > Transport** tab.

   You can also click **Start > All Programs > Symantec > Deployment Solution > Configuration > Options > Transport** tab. This opens the **Symantec Ghost Solution Suite Server transport settings** page.
2. Enter the **TCP Port** number.
3. Click **OK**.

The following options are available on the **Symantec Ghost Solution Suite Server Communication** page:

- **Use TCP/IP multicasting to find the Symantec Ghost Solution Suite Server**
  Select this option to use TCP/IP multicasting to find the Ghost Solution Suite Server. When client computers boot to automation using this configuration, a multicast packet is broadcast across the network to find where the Ghost Solution Suite Server is located.
  - **Multicast IP address**
    Enter a multicast IP address for client computers to send a broadcast packet across the network to find the Ghost Solution Suite Server.
  - **Port**
    This option defines which port client computers can use to communicate with the Ghost Solution Suite Server Engine, which manages the Deployment Database, sends job commands to the Deployment Agent, and more.
  - **Server name**
    When you select **Use TCP/IP multicasting to find the Symantec Ghost Solution Suite Server**, a multicast packet is broadcast to the server you specify. If you leave this field blank, the client computer connects to the first server that responds to the multicast packet.
- **Use TCP/IP to connect to the Symantec Ghost Solution Suite Server**
  Select this option to connect to a specific Ghost Solution Suite Server. You must select this option if your network adapter or network does not support multicasting. See your network adapter documentation, call the manufacturer, or consult with your IT department for information.

- **Server IP address**
  Enter the IP address of the Ghost Solution Suite Server to access information stored in the Deployment Share. If you are using the Intel Universal NIC driver (UNDI), the IP address is required.
- **Port**
  This option defines the port that the client computers can use to communicate with the Ghost Solution Suite Server Engine, which manages the Deployment Database, sends job commands to the Deployment Agent, and more.

- **Automation Agent Location**
  - **Remote**
    Select this option to run the most recent automation agent located on the remote server share.
  - **Local**
    Select this option to run the automation agent that currently exists in the local preboot environment.
- **Lock Keyboard**
  Select this option for additional security. This prevents someone on the remote computer from ending the automation session and possibly accessing your network.

Network Connection

This option lets you define the way the client computers connect to the Deployment Share or a file server that stores image files.

Windows

Workgroup

Enter the workgroup for the Deployment Share or file server.

NetWare

Server name

Enter the server name for the Deployment Share or file server. Click **Advanced** to enter a **NetWare context for the server** and select a **Frame type** if it is different from the default value of 802.2.

User name

Enter the authorized user name that you set up while creating the Deployment Share directory. If you did not assign a user name and password while creating the Deployment Share or file server, leave this field and the password field blank.

Password

Enter the password for the user name.

Confirm password

Enter the password for the user name to confirm that you entered the password correctly in the **Password** field.

Network Drive Mappings and Mount Points

This option lets you set up drive mappings for WinPE or mount points for Linux so that when client computers boot to automation or a network prompt, they connect to the appropriate server. You can create multiple drive mappings or mount points.

Table 2-3 Field Definitions

Item	Description
Manually create drive mappings	Select this option if you want to include the drive mappings in the `autoexec.bat` file when client computers boot to automation.
Drive	By default, the mapped drive that appears is `F:\\<Deployment Share server>\eXpress`. Select a different drive letter from the drop-down list if `F:` is already in use.
Path	Enter the path for the Deployment Share. The path you enter maps to the drive letter you selected in the **Drive** field. You can also click **Browse** to navigate to the Deployment Share if you are unsure of the directory path or if the image files are stored on a file server. Example: ■ Windows users: \\server\share ■ NetWare users: server\volume: directory ■ Linux users: //server/mount point
Create an entry in the LMHOSTS file for the Ghost Solution Suite Server file store (other entries must be added manually)	Select this option if your network does not support NetBIOS name resolution for IP addresses. Enter a **Server name** and **IP address** so that client computers can find the Deployment Share where the image files are stored.

Table 2-3 Field Definitions *(continued)*

Item	Description
Use NetWare login scripts to create drive mappings	Select this option if you use NetWare and you want login scripts to create the drive mappings.

WinPE Boot Option Settings

Select the boot model and optional components to include with this configuration.

Typically, you can use the default boot model unless you are experiencing driver detection problems. If you plan on executing VB scripts, running HTML applications, or connecting to an SQL Server database using ActiveX, select the necessary components.

Optional Components

This wizard page is available only when you select WinPE. By default, the optional components to be included with this configuration are selected.

Enable WinPE Firewall: By default, this check box is not selected. Selecting this option enables the WinPE Firewall, which interferes with multicast imaging.

Configuration Summary

This page lets you review all the options you selected throughout the **New Configuration Wizard**. If you want to modify a setting, click **Back** to re-select the option. When you click **Finish**, the **Create Boot Disk** wizard appears for the next process to begin.

See “Automation Partitions, Network and Automation Boot Disks” on page 24. and See “Edit Configuration” on page 21.

If you are using Boot Disk Creator from within the PXE Configuration Utility, the **Edit Configuration** page appears.

See “Edit Configuration” on page 21.

Edit Configuration

This is the main Boot Disk Creator page that appears when you start the utility. If you are using Boot Disk Creator from within the PXE Configuration Utility, this page appears at the end of the New Configuration Wizard.

This feature lets you modify configurations that are already created. When you select a file or folder from the left pane, the corresponding configuration information appears in the right pane. The display color changes to help you know the type of configuration you selected to view, edit, or delete.

The colors displayed are as follows:

- **Black**: You have not selected or created any configurations.
- **Green**: The configuration you selected or created is based on the Linux preboot environment.
- **Red**: The configuration you selected or created is based on the WinPE preboot environment.

To change configuration settings, right-click a configuration folder and select **Edit Configuration**, and click **Back** until you find the page for the options you want to change. You can also make text edits to files (selected from the left pane) in the right pane.

You can edit all other files within a configuration as needed. However, after you edit a configuration, Boot Disk Creator rewrites certain files within the configuration so that drive mappings and mount points are always updated.

The following files are rewritten after editing configurations:

- Linux - `mounts.local`
- WinPE - `mapdrv.bat`

See “New Configuration Wizard” on page 13. and See “Install Pre-boot Operating System Files” on page 33.

Additional Files

Boot Disk Creator lets you add additional files to folders that apply either to a specific configuration or to all configurations of the same type of preboot operating system. However, any files you add to the global `<OS>` additional files folders are written to the boot image before the specific configuration files. If a file in the `<OS>` additional files folder has the same name as a file in a specific configuration folder, it is overwritten.

Add files to all configuration

When you install a preboot operating system, a new folder is added to the bottom of the left pane on the main page of Boot Disk Creator. If you install preboot operating system files and the <OS> additional files folders do not appear, press F5 to refresh Boot Disk Creator.

The following folders appear:

- Linux additional files
- WinPE additional files

Boot Disk Creator copies the files from the <OS> additional files folders to all corresponding operating system configurations and adds these files to the boot images. These folders are considered global, since they can affect configurations of the same type.

Example: You can use the Windows Copy and Paste command to add tracert.exe to the WinPE additional files folder. Each WinPE configuration you create adds the files in the WinPE additional files folder to the boot image.

Add files to a specific configuration

If you want to add files to a specific configuration only and do not want to use the global feature of the <OS> additional files folders, do the following:

1. Right-click a configuration in the left pane and select **New > Folder**. A new subfolder is created in the left pane.
2. Enter a name for the folder so that you know these are added files.
3. To add files to the <OS> additional files folder, do one of the following methods:
   - Copy files from a network folder and paste them into the configuration folder.
   - Right-click a configuration and select **Add File**. A browser dialog appears to navigate to the file you want to add.
   - Right-click a configuration and select **File > Text file**. A new empty text file is added to the left pane. Enter a name for the file and write text as needed in the left pane.

Create PXE Boot Image Files (PXE)

This option is used for Boot Disk Creator configurations created from within the PXE Configuration Utility. PXE Servers download boot image files to client computers; therefore, after you select all the properties for a New Configuration, Boot Disk Creator must know the type of image file to create.

Table 2-4 Field Definitions

Item	Description
Automation PXE image	The automation agent for the type of preboot operating system configuration you create is added to the settings you select throughout the New Configuration Wizard.
Network PXE image	The configuration you create does not contain an automation agent. When client computers boot with this image file, they are mapped to a network server and are at a user's prompt.
Creating PXE image	This is a progress page to display the automation boot disk creation process. The process does the following: Copying files to production area, Inserting files into the file system, Creating PXE files, and so on.

PXE Boot Image Creation Complete

This page informs you that the PXE boot image file creation is complete. When you click **Finish**, the **New Shared Menu Option** page appears, displaying the location of the PXE boot image files on the PXE Server.

Chapter 3

Automation Partitions, Network and Automation Boot Disks

This chapter includes the following topics:

Automation Partitions, Network and Automation Boot Disks

After you create a New Configuration, the **Create Boot Disk** dialog appears. This process lets you select and create the method of booting a client computer to the automation environment. If you install an automation partition on a client computer's hard disk, deployment jobs can run automatically. However, you can create bootable media to manually boot client computers to automation, and run deployment jobs as needed.

See “Create Boot Disk” on page 24. and See “New Configuration Wizard” on page 13.

Create Boot Disk

This dialog lets you create three different types of bootable media: an automation partition install package, automation boot disks, or network boot disks. Each type of bootable media guides you through a wizard to gather specific information that is required for the type of media you want to create.

The number of steps that appear at the top of the **Create Boot Disk** dialog vary depending on:

- Where you open the **Create Boot Disk** dialog from
- The type of media you selected to create
- The preboot environment you specified in the configuration you created

However, based on your selections, Boot Disk Creator shows the appropriate dialog pages when creating bootable media.

Example: If you right-click a configuration in the left pane and select **Install automation partition**, the number of dialog pages differ from the number when you select **Create an automation partition install package** from this page. Both options give the same result even though the dialog steps are different.

Close this dialog and return to the editor: Select this option to close the Create Boot Disk dialog without creating an automation boot disk, installer package, or network boot disk. You can select any of these options from the Boot Disk Creator toolbar or from the File menu.

Create an automation partition install package: Select this option to create an automation install package that installs an embedded automation partition to any client computer on the network.

Create an automation boot disk: Select this option to create automation boot disks so you can manually boot a client computer to automation.

See “Create Automation Boot Disk” on page 27.

Create a network boot disk: Select this option to create network boot disks so you can manually boot a client computer to a network server.

See “Create Network Boot Disk” on page 28.

Create Automation Partition Install Package

This feature lets you create an automation installation setup package that installs an embedded automation partition on a client computer when it runs. The installer package runs in a production environment even though the **New Configuration** is based on the different preboot operating system.

Table 3-1 Field Definitions

Item	Description
Linux bootable disk	Select this option to install the automation partition using a Linux bootable disk.

Table 3-1 Field Definitions *(continued)*

Item	Description
Windows setup package	Select this option to install the automation partition using an installation setup package that runs in a Windows production environment.
Windows CE .NET setup package	Select this option to install the automation partition using an installation setup package that runs in a Windows CE .NET production environment.
Installer processor type	Select x64 to specify a 64-bit processor or x86 to specify a 32-bit processor.
Client computer processing type	Select x64 or x86 from the drop-down list.
Create an embedded ___ automation partition (recommended)	Select this option to install an embedded Linux, or WinPE partition to a client computer's hard disk.
Create a hidden ___ automation partition (for partitions greater than 50 MB)	Select this option to install a hidden Linux, or WinPE automation partition.
Partition size in MB	The default partition size value changes depending on the type of operating system you selected. Example: If you are creating an automation partition for a WinPE configuration, the partition size is 150-200 MB. However, the range of the partition size for Linux is 34-44 MB.
Installer package file path	By default, installation packages are stored in the Deployment Share **bwpkgs** folder. The name of the configuration you selected before starting the Create Boot Disk process is the name of the setup package, unless you define it otherwise. Click **Browse** to navigate to the folder where you want to store the setup package.
Run silent install	Select this option to install the automation partition without user input.

Table 3-1 Field Definitions *(continued)*

Item	Description
Install the Symantec Deployment Agent for Windows (Aclient)	Select this option to install the Ghost Solution Suite Agent on client computers in the production environment after the automation partition is installed.
Advanced	If you selected to install the Ghost Solution Suite Agent (above), click this option to set limited properties for the Ghost Solution Suite Agent.
Creating automation partition installer	This is a progress page to display the automation installation package process. The process does the following: Copying files to production area, Creating the FRM files, Preparing install environment, Inserting into the installer package, and so on.
The setup package is located at	After the automation partition installation package is created, the **Boot Disk Creation Complete** page appears and confirms the location of the installer package.

Create Automation Boot Disk

This feature lets you create automation boot disks to manually boot a client computer to the automation environment, so that deployment jobs can run. Automation boot disks give you greater flexibility because you can physically go to any client computer on the network and boot to automation, so long as the client computer can connect to the Ghost Solution Suite Server.

Table 3-2 Field Definitions

Item	Description
Bootable ISO CD Image	Select this option to create an ISO CD boot image.
ISO CD Image File Path	Enter the path or browse to the folder where ISO images are stored. You must use third-party software to burn the ISO image to a CD.

Table 3-2 Field Definitions *(continued)*

Item	Description
Bootable disk	Select this option to create a boot disk that can be used at client computers to manually boot to automation or manually install an automation partition. Click the drop-down arrow to select bootable media from the list. All the listed drives display the physical drive number instead of the logical drive letter.
Rescan drives	If you attach a USB flash drive to the server, but it does not appear in the **Bootable disk** drop-down list, you can click this option to rescan the physical drives that are attached to the server. A list of available drives is updated in the drop-down list.
Show fixed drives	If you try to select a USB flash drive from the **Bootable disk** drop-down list, but you cannot find it even after clicking **Rescan drives**, it is possible that the flash drive you are using appears in Windows as fixed instead of removable. Select this option to view all drives attached to the server.
Format disk (recommended)	By default, this option is selected.
Client computer processor type	Select the processor type from the drop-down list.
Creating automation boot disk	This is a progress page to display the automation boot disk creation process. The process does the following: Copying files to production area, Inserting files into the file system, Creating the ISO CD image file, and so on.
The CD image is located at	After the CD image is created, the **Boot Disk Creation Complete** page appears and confirms the location of the CD image.

Create Network Boot Disk

This feature lets you create a network boot disk that you can use at any client computer on the network. The properties, which you defined when creating the **New Configuration**, map a drive to a specified server when a client computer uses

a network boot disk. You have access to the network server's system to execute and manipulate files manually.

Table 3-3 Field Definitions

Item	Description
Bootable ISO CD Image	Select this option to create an ISO CD boot image.
ISO CD image file path	Enter the path to the folder that stores ISO images. You must use third-party software to burn the ISO image to a CD.
Bootable disk	Select this option to create a boot disk that can be used at client computers to manually boot to a network server. Select bootable media from the drop-down list. All the listed drives display the physical drive number instead of the logical drive letter.
Rescan drives	If you attach a USB flash drive to the server, but it does not appear in the **Bootable disk** drop-down list, you can click this option to rescan the physical drives that are attached to the server. The list of available drives is updated in the drop-down list.
Show fixed drives	If you try to select a USB flash drive from the **Bootable disk** drop-down list, but cannot find it even after clicking **Rescan drives**, it is possible that the flash drive you are using appears in Windows as fixed instead of removable. Select this option to view all drives attached to the server.
Format disk (recommended)	By default, this option is selected.
Client computer processor type	Select the processor type from the drop-down list.
Creating network boot disk	This is a progress page to display the network boot disk creation process. The process does the following: Copying files to production area, Inserting files into the file system, Creating the ISO CD image file, and so on.

Table 3-3 Field Definitions *(continued)*

Item	Description
The CD image is located at	After the CD image is created, the **Boot Disk Creation Complete** page appears and confirms the location of the CD image.

Remove Automation Partition

This feature lets you remove an automation partition from a client computer's hard disk. You can create bootable CDs, flash drives, and floppy disks to use manually at the client computers, or you can create a Windows uninstall package that can be distributed to a client computer through a deployment job. You can also create a network boot disk, connect to a specific server where the Windows uninstall package is stored, and run the executable from the client computer.

Table 3-4 Field Definitions

Item	Description
Linux bootable disk	Select this option to remove an automation partition using a bootable Linux disk.
Windows setup package	Select this option to remove an automation partition using a self-extracting setup package that runs in a Windows production environment.
Windows CE .NET setup package	Select this option to remove an automation partition using a self-extracting setup package that runs in a Windows CE .NET production environment.
Uninstaller processor type	From this drop-down list, select the processor type.
Bootable ISO CD Image	Select this option to create an ISO CD boot image that removes the automation partition.
ISO CD image file path	Enter the path to the folder where ISO images are stored. You must use third-party software to burn the ISO image to a CD.
Uninstaller package file path	Enter the path or browse to the folder where the uninstaller package file is stored.

Table 3-4 Field Definitions *(continued)*

Item	Description
Run silent uninstall	Select this option to run the installer without user input.
Bootable disk	Select this option to create a boot disk that removes an automation partition from a client computer. Select the bootable media from the drop-down list. All the drives listed display the physical drive number instead of the logical drive letter.
Rescan drives	If you attach a USB flash drive to the server, but it does not appear in the **Bootable disk** drop-down list, you can click this option to rescan the physical drives that are attached to the server. The list of available drives is updated in the drop-down list.
Show fixed drives	If you try to select a USB flash drive from the **Bootable disk** drop-down list, but cannot find it even after clicking **Rescan drives**, it is possible that the flash drive you are using appears in Windows as fixed instead of removable. Select this option to view all drives attached to the server.
Format disk (recommended)	By default, this option is selected.
Creating automation uninstaller	This is a progress page to display the automation uninstaller creation process. The process does the following: Preparing uninstall environment, Creating the ISO CD image file, and so on.
The CD image is located at	After the CD image is created, the **Boot Disk Creation Complete** page appears and confirms the location of the CD image.

Missing Files for Processor Types

For the most part, Boot Disk Creator configurations are independent of architecture. However, if you manually add executables to a configuration that supports multiple processor types, you must provide a version of the file for each architecture you include.

Example: If you have selected x86 and x64 versions of the Linux preboot environment for a configuration, and you add an executable, Boot Disk Creator checks the file header to see which architectures the executable supports. If all the architectures you have installed are not supported by the file you add, this screen appears, prompting you to add additional files or ignore the warning.

Chapter 4

Install Pre-boot Operating System Files

This chapter includes the following topics:

Install Pre-boot Operating System Files

In Boot Disk Creator, you must install the preboot operating system files for at least one preboot environment before you can create new configurations. Boot Disk Creator uses these files when creating configurations and boot images. You can install all supported preboot operating system files at the same time, or you can select to install only the preboot environments that you want to use.

When you install the preboot operating system files for Linux, or WinPE, a check mark next to the operating system name indicates that the files are successfully installed. The operating system version number appears, and the status changes to Installed.

See “Linux” on page 34., or See “WinPE” on page 34.

If you acquire a newer version of Linux or WinPE, browse and specify the location of the preboot files and click **Next** to install the new files. However, any existing operating system files are deleted before the newer files are installed.

Example: If you installed WinPE, and Symantec supports a newer version that becomes available, browse and specify the location of the preboot files and click

Next to install the new files. All existing WinPE files are deleted from the hard disk before the new files are installed. If you experience any problems with the new version of WinPE, you must install the older version to restore Boot Disk Creator functionality for WinPE.

To install preboot operating system files

On the **Install Pre-boot Operating System Files** dialog, select the preboot operating system that you want to install and click **Next**. Boot Disk Creator searches for the files. If Boot Disk Creator cannot locate the files, it displays a list of required and optional files for the selected operating system.

Linux

Symantec Ghost Solution Suite provides Linux RedHat Fedora in a file named `BDCgpl.frm`.

WinPE

Symantec supports WinPE as a preboot environment for Boot Disk Creator. See the *Ghost Solution Suite User guide* for the current list of supported WinPE versions and for specific installation instructions.

Set Default Pre-boot Operating System

While creating an automation partition, from the **Tools** menu on the Boot Disk Creator interface, you must select the preboot operating system that you want to set as the default, such as Linux or WinPE.