ORTLOCK



PORTLOCK BOOT WIZARD USER GUIDE

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PORTLOCK PRODUCTS



Portlock Storage Manager is designed to minimize the management, setup, installation, and reconfiguration time for NetWare and Windows servers. Users can copy, create, clone, image, restore, and resize DOS, NetWare, NSS, FAT 16, FAT32, and NTFS partitions and volumes. Disaster or quick recovery of failed servers is very fast and dramatically simplified.





Portlock Scorpion is a solution that converts Traditional NetWare volumes to NSS (Novell Storage Services) volumes.

Portlock Volume Defrag is a powerful tool for improving the layout and performance of file systems.



Portlock Disk Test is a comprehensive program for testing disk drives and partitions.



Portlock Storage Suite is a product bundle that includes all of our products in one attractively priced package. Portlock Storage Suite includes Portlock Storage Manager, Portlock Scorpion, Portlock Volume Defrag and Portlock Disk Test.

CONTENTS

Introduction5
Chapter 1: Load Bootable DOS Files option7
Chapter 2: Using "This Computer" option11
Chapter 3: Using "Network Workstation/Server" option18
Chapter 4: Using "Manual Creation" option29
Chapter 5: Using "Create a Portlock PCI Config Diskette" option35
Chapter 6: Using "Load a Portlock PCI Config Diskette" option41
Chapter 7: Using "Create a Boot Diskette for Portlock Storage Manager" option45
Appendix A: Detailed Menu Descriptions49
Appendix B: Portlock Boot Wizard FAQ53
Appendix C: Notes on PCISCAN.DAT
Appendix D: Microsoft Remote Registry Service
Appendix E: Requirements to run Portlock Boot Wizard61
Appendix F: Interfacing your Boot Diskette with Portlock Storage Manager
Appendix G: Novell TCP/IP Client 32 Configuration
Appendix H: Boot Wizard.EXE Command Line Options
Appendix I: Error Messages
Appendix J: NetWare Server Scan

PORTLOCK BOOT WIZARD USER GUIDE

Introduction to Portlock Boot Wizard

The primary purpose of Portlock Boot Wizard is to combine the necessary files to create a TCP/IP-enabled diskette for use with Portlock Storage Manager.

The Portlock Boot Wizard can create a TCP/IP-enabled diskette for the computer the user is operating from, for another computer on the network, or you can manually specify the network adapter driver to use.

In most cases Portlock Boot Wizard will dynamically detect the driver associated with the adapters on the local or remote accessed systems and present the user with a choice for each adapter found on the selected system. For non-network attached computers Portlock Boot Wizard has provided a scan program that can be used from a floppy diskette inserted into the stand-alone machine to capture the network configuration information. This information can then be imported into Portlock Boot Wizard to produce the desired TCP/IP-enabled diskette.

The Portlock Boot Wizard can also create the floppy diskette so that it is bootable. This requires that you provide the necessary DOS boot files from a formatted bootable floppy diskette, and Portlock Boot Wizard will retain those files to be used to allow multiple bootable diskettes to be generated for each of your storage managed systems.

WARNING: This program is protected by copyright law and international treaties.

Overview of Boot Diskette Options

The following are the type of boot diskettes you can create using Portlock Boot Wizard:

- This Computer: has the ability to create a bootable diskette tailored for the computer you are currently operating. Refer to Chapter 2 for more information on this option.
- Network Workstation/Server: has the ability to create a bootable diskette specifically for a computer on your network. Refer to Chapter 3 for more information on this option.
- Manual Creation: has the ability to create a bootable diskette for a specific network adapter. Refer to Chapter 4 for more information on this option.
- Create Portlock Peripheral Component Interconnect (PCI) Config Diskette: gives you the ability to create a bootable diskette that can be used on a computer to retrieve PCI configuration information for the network adapter. This information can be imported into the Portlock Boot Wizard to create a TCP/IP-enabled diskette. Refer to Chapter 5 for more information on this process.

- Load Portlock PCI Config Diskette: the information you created with *Create Portlock PCI Config Diskette* can be imported into the Portlock Boot Wizard. This will display a list of network adapters for the computer you scanned. Refer to Chapter 6 for more information on this process.
- Portlock Storage Manager Diskette: Portlock Storage Manager executable files will be installed onto the diskette that will be created. Refer to Chapter 7 for more information on this process.

NOTE: At this time, Portlock Boot Wizard does not detect ISA and EISA devices.



Welcome to Portlock Boot Wizard

The opening screen welcomes the user to the Portlock Boot Wizard and provides access to the Portlock Software website and Portlock Boot Wizard User Guide.

When the **View User Guide** button is selected, the Portlock Boot Wizard will display the Portlock Boot Wizard User Guide in PDF format. To view the User Guide you must have Adobe Acrobat Reader, version 5.0 or better, installed.

Select the **Portlock Web Site** button to go to <u>www.portlock.com</u>. The Portlock website includes documentation, technical support information, answers to frequently answered questions, tips and techniques, and newsletters that may help you better understand how to use Portlock products. Don't forget to download the evaluation version of Portlock Storage Manager! With this version, you can make unlimited backup images. To download Portlock Storage Manager, go to <u>www.portlock.com/download.htm</u>.



Contains:

Portlock Boot Wizard Instructions

 First Step: Load Bootable DOS files

Portlock Boot Wizard	
Portlock Boot Wizard Select Boot Diskette Creation Method	
The Portlock Boot Wizard can create a TCP/IP boot diskette for this machine, for another machine on the network (NetWare and Windows) or you can manually specify the network card to use. The Portlock Boot Wizard can also create the floppy diskette so that it is bootable. This requires that you load the necessary DOS boot files from a formatted bootable floppy diskette. This process only needs to be done once - the Portlock Boot Wizard will save the files for later use.	Create a Boot Diskette for: This computer Network Workstation / Server Manual Creation Create a Portlock PCI Config Diskette Load a Portlock PCI Config Diskette Portlock Storage Manager Diskette
 DOS Boot Files Loaded DOS Version: NONE HIMEM.SYS Version: NONE Load DOS Boot Files 	View User Guide
·	< Back Next > Cancel Help

This is the main menu screen that is used to select methods for diskette creation. The creation methods are described in the following chapters of the Portlock Boot Wizard User Guide.

To allow Portlock Boot Wizard to create many bootable diskettes, the **Load DOS Boot Files** option should be performed. This process only needs to be done once - the Portlock Boot Wizard will save the files for later use.

The first step in creating a bootable diskette using Portlock Boot Wizard is to press the **Load DOS Boot Files** button. It is necessary to provide the DOS boot files on a formatted bootable floppy diskette so that the boot files can be reused to create other bootable diskettes. Portlock Boot Wizard will maintain a single set of DOS system files.

NOTE: To load DOS system files, you will need to have the HIMEM.SYS files on the source bootable floppy diskette.

To change DOS versions that Portlock Boot Wizard creates, click on the Load DOS Boot Files button after inserting the new version of DOS.

rtlock Boot Wizard			
Portlock Boot Wizard Select Boot Diskette Creation Met	hod		
The Portlock Boot Wizard can creat diskette for this machine, for another network (NetWare and Windows) or specify the network card to use. The Portlock Boot Wizard can also diskette so that it is bootable. This the necessary DOS boot file Copy floppy diskette. This process only needs to Boot Wizard will save the file Inser DOS Boot Files Load DOS Version: MS-DO HIMEM.SYS Version: MS-DO Load DOS Boot Files	re a TCP/IP boot reachine on the you can manually create the floppy ing Files ock Boot Wizard rt a formatted bootable fl OK	Create a Boot Diskette for This computer Network Workstation ock PCI PCI C oppy diskette into Drive A: a Man Cancel	/ Server Config Diskette Config Diskette ager Diskette
			View User Guide

The software will prompt you to enter a formatted floppy diskette containing the DOS system files into drive A. When you press **OK**, Portlock Boot Wizard will copy over the relevant DOS system files contained on the floppy diskette.

The following DOS files will be copied based upon the DOS version:

MS-DOS versions

- COMMAND.COM
- IO.SYS
- HIMEM.SYS
- MSDOS.SYS

DR-DOS and PC-DOS versions

- COMMAND.COM
- HIMEM.SYS
- IBMBIO.COM
- IBMDOS.COM

ortlock Boot Wizard Select Boot Diskette Creation M	ethod		
The Portlock Boot Wizard can cre diskette for this machine, for anoth network (NetWare and Windows) specify the network card to use. The Portlock Boot Wizard can als diskette so that it is bootable. This the necessary DOS boot files from floopu diskette.	ate a TCP/IP boot nermachine on the oryou can manually o create the floppy requires that you load a formatted bootable	Create a Boot Diskette for: This computer Network Workstation / Set Manual Creation Create a Portlock PCI Con	rver fig Diskette
This process only needs to be do Boot Wizard will save the files for	Portlock Boot Wizard The load of the MS-DOS b	rtlock PCI Config oot files is complete torage Manager	g Diskette Diskette
	ОК		
DOS Boot Files Loaded	20		
DOS Boot Files Loaded	0 (Win98SE)		
DOS Boot Files Loaded DOS Version: MS-DOS 7.1 HIMEM.SY'S Version: MS-D	0 (Win98SE))0S 7.10 (Win98)		
 DOS Boot Files Loaded DOS Version: MS-DOS 7.1 HIMEM.SYS Version: MS-D Load DOS Boot Files 	0 (Win98SE))OS 7.10 (Win98)		
 DOS Boot Files Loaded DOS Version: MS-DOS 7.1 HIMEM.SYS Version: MS-D Load DOS Boot Files 	0 (Win98SE))OS 7.10 (Win98)		ïew User Guide

A dialog box will appear showing that the files have been copied and are now available to Portlock Boot Wizard to be used to create other boot diskettes. Once this has completed, press **OK** to finish the process.



Contains:

Portlock Boot Wizard Instructions Create a Boot Diskette using "This Computer"

Portlock Boot Wizard	
Portlock Boot Wizard Select Boot Diskette Creation Method	
The Portlock Boot Wizard can create a TCP/IP boot diskette for this machine, for another machine on the network (NetWare and Windows) or you can manually specify the network card to use. The Portlock Boot Wizard can also create the floppy diskette so that it is bootable. This requires that you load the necessary DOS boot files from a formatted bootable floppy diskette. This process only needs to be done once - the Portlock Boot Wizard will save the files for later use.	Create a Boot Diskette for: This computer Network Workstation / Server Manual Creation Create a Portlock PCI Config Diskette Load a Portlock PCI Config Diskette Portlock Storage Manager Diskette
 DOS Boot Files Loaded DOS Version: NONE HIMEM.SYS Version: NONE Load DOS Boot Files 	View User Guide
<	Back Next > Cancel Help

If you are going to create a bootable diskette on a blank floppy diskette, you must select the **Load DOS Boot Files** option first. Refer to Chapter 1 for details on this process. If you provide a bootable floppy, the **Load DOS Boot Files** option can be ignored.

From the **Create a Boot Diskette** menu, select **This computer.** This will allow you to create a TCP/IP-enabled or bootable diskette for the computer that the program is currently running on.

Press **Next** to continue.

Portlock Boot Wizard	×
Portlock Boot Wizard Select Network Adapter	
Computer Name: Local Computer (BTM_SHOLEY)	
Select Network Adapter:	
Amer.com C110w Fast Ethernet PCI driver (RTC110.LAN)	
Network Adapters Detected: 1	
⊢ IP Address Type:	
Obtain an IP address from a DHCP server	
C Specify a Static IP address	
IP Address:	
Subnet Mask:	
Gateway:	
View User Guide	
< <u>B</u> ack <u>N</u> ext > Cancel Help	

The **Select Network Adapter** drop-down menu shows the network adapters that are currently found on the computer. Select the correct adapter that applies to your system.

Most companies have a **DHCP** server. If you need to use a static IP, select **Specify a Static IP address**, otherwise **Obtain an IP address from a DHCP server** should be selected.

If using a Static IP address you will need to enter the following to proceed:

- IPAddress
- Subnet Mask
- Gateway

If you don't know the necessary information for the Static IP address, contact your system administrator.

Press Next, to continue.

Portlock Boot Wizard	
Portlock Boot Wizard Diskette Properties	
Image Type: Write image to a floppy diskette Write image to a disk file (for PXE booting)	Browse
Floppy Diskette: Floppy Diskette A: Floppy Diskette B: (Not Installed)	Image Size 1.44 MB 2.88 MB 0 4.00 MB
Bootable: Yes, Install system files and make diskette bootable DOS Version: MS-DOS 7.10 (Win98SE) No, Do not modify diskette system files Copy HIMEM.SYS	[Load DOS Boot Files] View User Guide
< <u>B</u> ack	Next > Cancel Help

Set the properties for the diskette you are creating by choosing options on the **Diskette Properties** screen.

If you choose Write image to a floppy diskette from the Image Type submenu, you must select a drive - either A or B from the Floppy Diskette submenu. If you want the disk to be bootable, you must also choose a Bootable method. If you select Yes, Install system files and make diskette bootable, all the DOS files on the target diskette will be overwritten. If you are working with a disk that already has DOS files loaded onto it, select No, Do not modify diskette system files.

If you are working with a different version of DOS than the one you provided with the Load DOS Boot Files option, and your diskette already contains a HIMEM.SYS file, deselect the Copy HIMEM.SYS checkbox.

If you choose Write image to a disk file (for PXE booting), type the file extension of the image, or press the Browse button to select a particular file. You must also select the size of the image, and if you want the diskette to be bootable.

NOTE: You can only make a disk bootable if the required DOS Boot files have been loaded. Refer to Chapter 1 for details.



NOTE: The Image Size 1.44 MB is the standard floppy diskette size.

Portlock Boot Wizard		×
Portlock Boot Wizard Create Diskette		
Creating diskette 1 of 1 Portlock TCP/IP Boot Diskette V Fo Copying file	Portlock Boot Wizard Insert a floppy diskette into drive A Label this floppy: TCP/IP Boot Diskette Driver: RTSSRV.LAN Disk 1 of 1 OK Cancel	
		View User Guide
	< Back Next >	Cancel Help

The software will prompt you to enter a floppy diskette into drive A.

When you press **OK**, Portlock Boot Wizard will copy the relevant files to the diskette. It will also configure the diskette with the TCP/IP information you provided earlier. For a detailed description of the files being copied, refer to **Appendix G**.



NOTE: If there are files on the diskette you are using to create a *bootable* floppy - all files on the diskette will be deleted.

Portlock Boot Wizard		X
Portlock Boot Wizard Create Diskette		
Creating diskette 1 of 1		
Portlock TCP/IP Boot Diskette		
Verifying config	ration	
Formatting Flop	ny Diskette	
Copying files		
Copying A:\COMMAND.COM		
		View User Guide
	< Back Next > Ca	ncel Help

The progress bar will appear showing the status of the files being copied to the target diskette.

Portlock Boot Wizard	×
Portlock Boot Wizard Create Diskette	
Creating diskette 1 of 1 Portlock TCP/IP Boot Diskette Portlock Boot Wizard Image: Complete is complete. The TCP/IP Boot Diskette is complete. OK	
View User	Guide
K Back Next > Cancel	Help

Once the copy process has completed, press **OK** to finish the process.

Press **Back** to create another type of bootable diskette.

Press **Cancel** or the close icon in the upper-right corner to exit the program.



Contains:

Portlock Boot Wizard Instructions Create a Boot Diskette using "Network Workstation/Server"

Portlock Boot Wizard	
Portlock Boot Wizard Select Boot Diskette Creation Method	
The Portlock Boot Wizard can create a TCP/IP boot diskette for this machine, for another machine on the network (NetWare and Windows) or you can manually specify the network card to use. The Portlock Boot Wizard can also create the floppy diskette so that it is bootable. This requires that you load the necessary DOS boot files from a formatted bootable floppy diskette. This process only needs to be done once - the Portlock Boot Wizard will save the files for later use.	Create a Boot Diskette for: C This computer Network Workstation / Server Manual Creation C Create a Portlock PCI Config Diskette Load a Portlock PCI Config Diskette Portlock Storage Manager Diskette
 DOS Boot Files Loaded DOS Version: NONE HIMEM,SYS Version: NONE Load DOS Boot Files 	View User Guide
< Ba	ack Next > Cancel Help

If you are going to create a bootable diskette on a blank floppy diskette, you must select the **Load DOS Boot Files** option first. Refer to Chapter 1 for details on this process. If you provide a bootable floppy, then the **Load DOS Boot Files** option can be ignored.

From the **Create a Boot Diskette** menu, select **Network Workstation/Server.** This will allow you to create a TCP/IP-enabled or bootable diskette for a computer you selected that is attached to the network.

Press Next to continue.

Portlock Boot Wizard	
Portlock Boot Wizard Select Network Computer to Build Boot Diskette for	
- Network Computers:	
Total Network Computers Found: 0	
You may manually enter a computer / server name or an IP address above.	
Scan Network Login to System	
View User G	uide
< <u>B</u> ack <u>N</u> ext > Cancel H	łelp

In the **Network Computers** drop-down box, enter the name of the computer, server name, or IP address of the computer on the network that you want to create the diskette for. To select from a list of available computers, press the **Scan Network** button.

Portlock Boot Wizard	×
Portlock Boot Wizard Select Network Computer to Build Boot Diskette for	
Network Computers:	
You may Portlock Boot Wizard bove.	
Scanning Computer Network	
Cancel	
View User Guid	le
< <u>B</u> ack <u>N</u> ext > Cancel He	Þ

When choosing to **Scan Network**, a dialog box will appear, notifying you that Portlock Boot Wizard is scanning the computer network for available computers.

Portlock Boot Wizard	×
Portlock Boot Wizard Select Network Computer to Build Boot Diskette for	
Network Computers: Total Network Computers Found: 28	
You may manually enter a computer / server name or an IP address above.	
Scan Network Login to System	
< <u>B</u> ack <u>N</u> ext > Cancel Help	

When the scan is completed, you will have a list of available detected computers in the drop-down menu for which you can create a bootable diskette.

In the above example, the **Total Network Computers Found** was 28.

Select the computer you wish to create the diskette for.

Press **Next** to continue.

Network Computers Total Network Co ACCOUNTING You	Connect to acc Connecting to AC User name: Password:	COUNTING	
		View	User Guide

When you choose a computer on the network, you must login and authenticate to the selected computer. After you enter the **User name** and **Password**, press **OK** to continue.

Portlock Boot Wizard	×
Portlock Boot Wizard Select Network Adapter	
Computer Name: Local Computer (BTM_SHOLEY) Select Network Adapter:	
Amer. com C110w Fast Ethernet PCI driver (RTC110.LAN)	
IP Address Type: Obtain an IP address from a DHCP server	
Specify a Static IP address	
IP Address:	
Subnet Mask:	
Gateway:	
View User Guide	
< <u>B</u> ack <u>N</u> ext > Cancel Help	

The **Select Network Adapter** drop-down menu shows the network adapters that are currently found on the computer. If more than one adapter was detected, select the appropriate adapter to create the bootable diskette.

Most companies have a **DHCP** server. If you need to use a static IP, select **Specify a Static IP address**, otherwise **Obtain an IP address from a DHCP server** should be selected.

If using a Static IP address you will need to enter the following to proceed:

- IPAddress
- Subnet Mask
- Gateway

If you don't know the necessary information for the Static IP address, contact your system administrator.

Press Next, to continue.

Portlock Boot Wizard	
Portlock Boot Wizard Diskette Properties	
Image Type: Write image to a floppy diskette Write image to a disk file (for PXE booting)	Browse
Floppy Diskette: Floppy Diskette A: Floppy Diskette B: (Not Installed)	Image Size © 1.44 MB © 2.88 MB © 4.00 MB
Bootable:	Load DOS Boot Files View User Guide
< <u>B</u> ack	Next > Cancel Help

Set the properties for the diskette you are creating by choosing options on the **Diskette Properties** screen.

If you choose **Write image to a floppy diskette** from the **Image Type** submenu, you must select a drive - either A or B from the **Floppy Diskette** submenu. If you want the disk to be bootable, you must also choose a **Bootable** method. If you select **Yes, Install system files and make diskette bootable**, all the DOS files on the target diskette will be overwritten. If you are working with a disk that already has DOS files loaded onto it, select **No, Do not modify diskette system files**.

If you are working with a different version of DOS than the one you provided with the **Load DOS Boot Files** option, and your diskette already contains a HIMEM.SYS file, deselect the **Copy HIMEM.SYS** checkbox.

If you choose **Write image to a disk file (for PXE booting)**, type the file extension of the image, or press the **Browse** button to select a particular file. You must also select the size of the image, and if you want the diskette to be bootable.

NOTE: You can only make a disk bootable if the required DOS Boot files have been loaded. Refer to Chapter 1 for details.



NOTE: The Image Size 1.44 MB is the standard floppy diskette size.

Portlock Boot Wizard	×
Portlock Boot Wizard Create Diskette	
Creating diskette 1 of 1 Portock TCP/IP Boot Diskette V Insert a floppy diskette into drive A Label this floppy: TCP/IP Boot Diskette Driver: A2500.LAN Disk 1 of 1 OK Cancel	
View User	Guide
< <u>B</u> ack <u>N</u> ext > Cancel	Help

The software will prompt you to enter a floppy diskette into drive A.

When you press **OK**, Portlock Boot Wizard will copy the relevant files to the diskette. It will also configure the diskette with the TCP/IP information you provided earlier. For a detailed description of the files being copied, refer to **Appendix G**.



NOTE: If there are files on the diskette you are using to create a *bootable* floppy - all files on the diskette will be deleted.

Portlock Boot Wizard			
Portlock Boot Wizard Create Diskette			
Creating diskette 1 of 1			
Portock TCP/IP Boot Diskette			
Verifying configu	ration		
Formatting Flopp	oy Diskette		
Copying files			
Copying \CLIENT32\NIOS.EXE			
			View User Guide
	< <u>B</u> ack	<u>N</u> ext >	Cancel Help

The progress bar will appear showing the status of the files being copied to the target diskette.

Portlock Boot Wizard	×
Portlock Boot Wizard Create Diskette	
Creating diskette 1 of 1	
Portlock TCP/IP Boot Diskette	
Portlock Boot Wizard	
The TCP/IP Boot Diskette is complete.	
ОК	
	1
	-
View	/UserGuide
Z Rack Mouth Cancel	Help

Once the copy process has completed, press **OK** to finish the process.

Press **Back** to create another type of bootable diskette.

Press **Cancel** or the close icon in the upper-right corner to exit the program.



Contains:

Portlock Boot Wizard Instructions

 Create a Boot Diskette using "Manual Creation"

Portlock Boot Wizard	
Portlock Boot Wizard Select Boot Diskette Creation Method	
The Portlock Boot Wizard can create a TCP/IP boot diskette for this machine, for another machine on the network (NetWare and Windows) or you can manually specify the network card to use. The Portlock Boot Wizard can also create the floppy diskette so that it is bootable. This requires that you load the necessary DOS boot files from a formatted bootable floppy diskette. This process only needs to be done once - the Portlock Boot Wizard will save the files for later use.	Create a Boot Diskette for: This computer Network Workstation / Server Manual Creation Create a Portlock PCI Config Diskette Load a Portlock PCI Config Diskette Portlock Storage Manager Diskette
 DOS Boot Files Loaded DOS Version: NONE HIMEM.SYS Version: NONE Load DOS Boot Files 	View User Guide
	< <u>B</u> ack <u>N</u> ext > Cancel Help

If you are going to create a bootable diskette on a blank floppy diskette, you must select the **Load DOS Boot Files** option first. Refer to Chapter 1 for more information on this process. If you provide a bootable floppy, the **Load DOS Boot Files** option can be ignored.

From the **Create a Boot Diskette** menu, select **Manual Creation.** This will allow you to create a TCP/IP-enabled or bootable diskette using the selected network adapter.

Press **Next** to continue.

Portlock Boot Wizard	×
Portlock Boot Wizard Select Network Adapter	
Computer Name: Local Computer (BTM_SHOLEY)	
Select Network Adapter:	
SCOM 3C90X B,C Family PCI NICs (3C90XC.LAN)	
Network Adapter Models Loaded: 364	
IP Address Type:	
Obtain an IP address from a DHCP server	
Specify a Static IP address	
IP Address:	
Subnet Mask:	
Gateway:	
View User Guide	
< Back Next > Cancel Help	

The **Select Network Adapter** drop-down menu shows the network adapters that are currently available in the database from which you may choose to build the diskette. Select the adapter of your choice.

Most companies have a **DHCP** server. If you need to use a static IP address, select **Specify a Static IP address**, otherwise **Obtain an IP address from a DHCP server** should be selected.

If using a Static IP address you will need to enter the following to proceed:

- IPAddress
- Subnet Mask
- Gateway

If you don't know the necessary information for the Static IP address, contact your system administrator.

Press **Next**, to continue.

Portlock Boot Wizard	×
Portlock Boot Wizard Diskette Properties	
- Image Tupe:	
Write image to a floppy diskette	
Write image to a disk file (for PXE booting)	
	Browse
Floppy Diskette:	Image Size
Floppy Diskette A:	1.44 MB
C Floppy Diskette B: (Not Installed)	C 2.88 MB
	C 4.00 MB
Bootable:	
Yes, Install system files and make diskette bootable	
DOS Version: MS-DOS 7.10 (Win98SE)	
O No, Do not modify diskette system files	(1
Copy HIMEM.SYS	Load DUS Boot Files
	View User Guide
< Back	Next > Cancel Help

Set the properties for the diskette you are creating by choosing options on the **Diskette Properties** screen.

If you choose Write image to a floppy diskette from the Image Type submenu, you must select a drive - either A or B from the Floppy Diskette submenu. If you want the disk to be bootable, you must also choose a Bootable method. If you select Yes, Install system files and make diskette bootable, all the DOS files on the target diskette will be overwritten. If you are working with a disk that already has DOS files loaded onto it, select No, Do not modify diskette system files.

If you are working with a different version of DOS than the one you provided with the Load DOS Boot Files option, and your diskette already contains a HIMEM.SYS file, deselect the Copy **HIMEM.SYS** checkbox.

If you choose Write image to a disk file (for PXE booting), type the file extension of the image, or press the Browse button to select a particular file. You must also select the size of the image, and if you want the diskette to be bootable.

NOTE: You can only make a disk bootable if the required DOS Boot files have been loaded. Refer to Chapter 1 for details.



NOTE: The Image Size 1.44 MB is the standard floppy

Portlock Boot Wizard		×
Portlock Boot Wizard Create Diskette		
Creating diskette 1 of 1 Portlock TCP/IP Boot Diskette Vi Fo Copying file	Portlock Boot Wizard Insert a floppy diskette into drive A Label this floppy: TCP/IP Boot Diskette Driver: RTSSRV.LAN Disk 1 of 1 OK Cancel	
		View User Guide
	< Back Next :	Cancel Help

The software will prompt you to enter a floppy diskette into drive A.

When you press **OK**, Portlock Boot Wizard will copy the relevant files to the diskette. It will also configure the diskette with the TCP/IP information you provided earlier. For a detailed description of the files being copied, refer to **Appendix G**.

NOTE: If there are files on the diskette you are using to create a *bootable* floppy - all files on the diskette will be deleted.

Portlock Boot Wizard	×
Portlock Boot Wizard Create Diskette	
Creating diskette 1 of 1	
Portlock TCP/IP Boot Diskette	
Portlock Boot Wizard	
The TCP/IP Boot Diskette is complete.	
View User G	iuide
< Back Next > Cancel	Help

Once the copy process has completed, press **OK** to finish the process.

Press **Back** to create another type of bootable diskette.

Press **Cancel** or the close icon in the upper-right corner to exit the program.



Contains:

- Portlock Boot Wizard Instructions
 - Create a Boot Diskette using "Portlock PCI Config Diskette"

Portlock Boot Wizard	
Portlock Boot Wizard Select Boot Diskette Creation Method	
The Portlock Boot Wizard can create a TCP/IP boot diskette for this machine, for another machine on the network (NetWare and Windows) or you can manually specify the network card to use. The Portlock Boot Wizard can also create the floppy diskette so that it is bootable. This requires that you load the necessary DOS boot files from a formatted bootable floppy diskette. This process only needs to be done once - the Portlock Boot Wizard will save the files for later use.	Create a Boot Diskette for: This computer Network Workstation / Server Manual Creation Create a Portlock PCI Config Diskette Load a Portlock PCI Config Diskette Portlock Storage Manager Diskette
 DOS Boot Files Loaded DOS Version: NONE HIMEM.SYS Version: NONE Load DOS Boot Files 	View User Guide
	< <u>B</u> ack <u>N</u> ext > Cancel Help

If you are going to create a bootable diskette on a blank floppy diskette, you must select the **Load DOS Boot Files** option first. If you provide a bootable floppy, the **Load DOS Boot Files** option can be ignored.

From the **Create a Boot Diskette** menu, select **Create a Portlock PCI Config Diskette** to create a manual PCI scan diskette. This diskette is used to extract PCI configuration information on the computer that the created floppy is booted on.

Press Next to continue.
The Portlock Boot Wizard ca diskette for this machine, for network (NetWare and Wind specify the network card to The Portlock Boot Wizard diskette so that it is bootal the necessary DOS boot f floppy diskette.	In create a TCP/IP boot another machine on the ows) or you can manually ortlock Boot Wizard Select OS for PCISCAN:	eate a Boot Diskette for: This computer tation / Server
This process only needs to Boot Wizard will save the DOS Boot Files Loa DOS Version: MS-D	C NetWare	PCI Config Diskette e Manager Diskette
HIMEM.SYS Version:	MS-DOS 7.10 (Win98)	

You must choose which Operating System the PCISCAN will operate on. If the target diskette will be run on a DOS Operating System, select **DOS**. If the target diskette will be run on a NetWare server, select **NetWare**.

Press **OK** to continue.

Portlock Boot Wizard	
Portlock Boot Wizard Diskette Properties	
Image Type: Write image to a floppy diskette Write image to a disk file (for PXE booting)	Browse
Floppy Diskette: Floppy Diskette A: Floppy Diskette B:	Image Size © 1.44 MB © 2.88 MB © 4.00 MB
Bootable: Yes, Install system files and make diskette bootable No, Do not modify diskette system files Copy HIMEM.SYS	View User Guide
< Back	Next > Cancel Help

Set the properties for the diskette you are creating by choosing options on the **Diskette Properties** screen.

If you choose Write image to a floppy diskette from the Image Type submenu, you must select a drive - either A or B from the Floppy Diskette submenu. If you want the disk to be bootable, you must also choose a Bootable method. If you select Yes, Install system files and make diskette bootable, all the DOS files on the target diskette will be overwritten. If you are working with a disk that already has DOS files loaded onto it, select No, Do not modify diskette system files.

If you are working with a different version of DOS than the one you provided with the Load DOS Boot Files option, and your diskette already contains a HIMEM.SYS file, deselect the Copy HIMEM.SYS checkbox.

If you choose Write image to a disk file (for PXE booting), type the file extension of the image, or press the Browse button to select a particular file. You must also select the size of the image, and if you want the diskette to be bootable.

NOTE: You can only make a disk bootable if the required DOS Boot files have been loaded. Refer to Chapter 1 for details.



NOTE: The Image Size 1.44 MB is the standard floppy diskette size.

Portlock Boot Wizard	×
Portlock Boot Wizard Create Diskette	
Creating diskette 1 of 1 Portock PCISCAN Boot Diskette V Insert a floppy diskette into drive A For Label this floppy: C PCISCAN Diskette Disk 1 of 1 OK Cancel	
View User Guid	te
< <u>B</u> ack <u>N</u> ext > Cancel He	lp

The software will prompt you to enter a floppy diskette into drive A.

When you press **OK**, Portlock Boot Wizard will copy the relevant Operating System files and PCI Scan program to the diskette.

NOTE: If there are files on the diskette you are using to create a *bootable* floppy - all files on the diskette will be deleted.



A notification screen will appear informing you that your Portlock PCI Config Diskette is complete.

To use this diskette, insert the disk into a computer running the same Operating System that you created the diskette for.

To run PCISCAN on the NetWare server, at the server console, type "LOAD A:\PCISCAN".

Under the DOS Operating System, at the DOS prompt, type "A:\PCISCAN.EXE". If the diskette was made bootable, reboot your system and PCISCAN.EXE will run automatically.

The file PCISCAN.DAT will be created and stored on the floppy with a listing of all PCI devices in that computer. This file can then be imported into Portlock Boot Wizard to create configuration diskettes.



Portlock Boot Wizard Instructions

Create a Boot Diskette using
 "Load a Portlock PCI Config Diskette"

Portlock Boot Wizard	
Portlock Boot Wizard Select Boot Diskette Creation Method	
The Portlock Boot Wizard can create a TCP/IP boot diskette for this machine, for another machine on the network (NetWare and Windows) or you can manually specify the network card to use. The Portlock Boot Wizard can also create the floppy diskette so that it is bootable. This requires that you load the necessary DOS boot files from a formatted bootable floppy diskette. This process only needs to be done once - the Portlock Boot Wizard will save the files for later use.	Create a Boot Diskette for: This computer Network Workstation / Server Manual Creation Create a Portlock PCI Config Diskette Load a Portlock PCI Config Diskette Portlock Storage Manager Diskette
 DOS Boot Files Loaded DOS Version: NONE HIMEM.SYS Version: NONE Load DOS Boot Files 	View User Guide
	< <u>B</u> ack <u>N</u> ext > Cancel Help

From the **Create a Boot Diskette for** menu, select **Load Portlock PCI Config Diskette**. The information you created in the PCISCAN.DAT file will be loaded and read into Portlock Boot Wizard. The PCISCAN.DAT file can be generated by using a diskette created from the *Create Portlock PCI Config Diskette* option (for information on this process, refer to Chapter 5).

Select Boot Wizard Select Boot Diskette Creation Mo	ethod		
The Portlock Boot Wizard can cre diskette for this machine, for anoth network (NetWare and Windows) (specify the network card to use. The Portlock Boot Wizard can also diskette so that it is bootable. This the necessary DOS boot files from floppy diskette.	ate a TCP/IP boot er machine on the or you can manually o create the floppy requires that you load a formatted bootable	Create a Boot Diskette for: This computer Network Workstation / Manual Creation C Create a Portlock PCI 0	Server Config Diskette
This process only needs to be Po Boot Wizard will save the files	rtlock Boot Wizard	ck PCI Co s written to by PCISCAN age Mana	nfig Diskette ger Diskette
☑ DOS Boot Files Loaded	ок	Cancel	
DDS Version: MS-DDS 7.10) (Win98SE)		
HIMEM.SYS Version: MS-D	OS 7.10 (Win98)		
Load DOS Boot Files			
			View User Guide
			1.1

Insert the diskette containing the PCISCAN.DAT file you created through the *Create a Portlock PCI Config Diskette* option. Press **OK** to continue.

Continue the process of creating a TCP/IP-enabled or bootable diskette similar to the other creation types.



Portlock Boot Wizard Instructions Create a Boot Diskette for "Portlock Storage Manager"

NOTE: If Portlock Storage Manager is not installed on the same computer as Portlock Boot Wizard, the option "Portlock Storage Manager Diskette" is disabled.

Portlock Boot Wizard	
Portlock Boot Wizard Select Boot Diskette Creation Method	
The Portlock Boot Wizard can create a TCP/IP boot diskette for this machine, for another machine on the network (NetWare and Windows) or you can manually specify the network card to use. The Portlock Boot Wizard can also create the floppy diskette so that it is bootable. This requires that you load the necessary DOS boot files from a formatted bootable floppy diskette. This process only needs to be done once - the Portlock Boot Wizard will save the files for later use.	Create a Boot Diskette for: This computer Network Workstation / Server Manual Creation Create a Portlock PCI Config Diskette Load a Portlock PCI Config Diskette Portlock Storage Manager Diskette
 DOS Boot Files Loaded DOS Version: NONE HIMEM.SYS Version: NONE Load DOS Boot Files 	View User Guide
	(<u>B</u> ack <u>N</u> ext > Cancel Help

If you are going to create a bootable diskette on a blank floppy diskette, you must select the **Load DOS Boot Files** option first. Refer to Chapter 1 for information on this process. If you provide a bootable floppy, the **Load DOS Boot Files** option can be ignored.

From the **Create a Boot Diskette** menu, select **Portlock Storage Manager Diskette.** This will allow you to create a TCP/IP-enabled or bootable diskette for Portlock Storage Manager.

Press Next to continue.

NOTE: For the option to be available, you must have previously installed Portlock Storage Manager on the computer Portlock Boot Wizard is running on.

To download Portlock Storage Manager, go to <u>www.portlock.com/download.htm</u>

Portlock Boot Wizard	×
Portlock Boot Wizard Diskette Properties	
Image Type: Write image to a floppy diskette Write image to a disk file (for PXE booting)	
	Browse
Floppy Diskette:	Image Size
Floppy Diskette A:	1.44 MB
C Floppy Diskette B: (Not Installed)	C 2.88 MB
Bootable:	4.00 MB
Yes, Install system files and make diskette bootable	
DOS Version: MS-DOS 7.10 (Win98SE)	
No, Do not modify diskette system files	
Copy HIMEM.SYS	Load DOS Boot Files
	View User Guide
< <u>B</u> ack	Next > Cancel Help

Set the properties for the diskette you are creating by choosing options on the **Diskette Properties** screen.

If you choose Write image to a floppy diskette from the Image Type submenu, you must select a drive - either A or B from the Floppy Diskette submenu. If you want the disk to be bootable, you must also choose a Bootable method. If you select Yes, Install system files and make diskette bootable, all the DOS files on the target diskette will be overwritten. If you are working with a disk that already has DOS files loaded onto it, select No, Do not modify diskette system files.

If you are working with a different version of DOS than the one you provided with the Load DOS Boot Files option, and your diskette already contains a HIMEM.SYS file, deselect the Copy HIMEM.SYS checkbox.

If you choose Write image to a disk file (for PXE booting), type the file extension of the image, or press the Browse button to select a particular file. You must also select the size of the image, and if you want the diskette to be bootable.

NOTE: You can only make a disk bootable if the required DOS Boot files have been loaded. Refer to Chapter 1 for details.



NOTE: The Image Size 1.44 MB is the standard floppy diskette size.

Portlock Boot Wizard	×
Portlock Boot Wizard Create Diskette	
Creating diskette 1 of 1 Portlock TCP/IP Boot Diskette V Insert a floppy diskette into drive A Label this floppy: C TCP/IP Boot Diskette Driver: RTSSRV.LAN Disk 1 of 1 Copying file	
View User G	ìuide
< Back Next > Cancel	Help

The software will prompt you to enter a floppy diskette into drive A.

When you press **OK**, Portlock Boot Wizard will copy the relevant files to the diskette. It will also configure the diskette with the TCP/IP information you provided earlier. For a detailed description of the files being copied, refer to **Appendix G**.



NOTE: If there are files on the diskette you are using to create a *bootable* floppy - all files on the diskette will be deleted.

Portlock Boot Wizard	×
Portlock Boot Wizard Create Diskette	
Creating diskette 1 of 1	
Portlock Storage Manager Boot Diskette	
Portlock Boot Wiza	rd 🛛 🔀
The build of the Portlo	ck Storage Manager Diskette is complete.
	<u> </u>
	View User Guide
	K Back Next > Cancel Help

Once the copy process has completed, press **OK** to finish the process.

Press **Back** to create another type of bootable diskette.

Press **Cancel** or the close icon in the upper-right corner to exit the program.



Detailed Menu Descriptions

Select Boot Diskette Creation Method

Create a Boot Diskette Menu:

This Computer: has the ability to create a bootable diskette tailored for the computer you are currently operating. Refer to Chapter 2 for more information on this option.

Network Workstation/Server: has the ability to create a bootable diskette specifically for a computer on your network. Refer to Chapter 3 for more information on this option.

Manual Creation: has the ability to create a bootable diskette for a specific network adapter. Refer to Chapter 4 for more information on this option.

Create Portlock Peripheral Component Interconnect (PCI) Config Diskette: gives you the ability to create a bootable diskette that can be used on a computer to retrieve PCI configuration information for the network adapter. This information can be imported into the Portlock Boot Wizard to create a TCP/IP-enabled diskette. Refer to Chapter 5 for more information on this process.

Load Portlock PCI Config Diskette: the information you created with Create Portlock PCI Config Diskette can be imported into the Portlock Boot Wizard. This will display a list of network adapters for the computer you scanned. Refer to Chapter 6 for more information on this process.

Portlock Storage Manager Diskette: Portlock Storage Manager executable files will be installed onto the diskette that will be created. Refer to Chapter 7 for more information on this process.



bootable

Select Network Adapter



Diskette Properties

If creating an image for PXE booting, select the Write image to a disk file (for PXE booting) option. Otherwise, select the Write image to a floppy diskette option. \searrow

Press the **Browse** button to find the image file you will be creating for PXE booting.



Files option, and your diskette already contains a HIMEM.SYS file, deselect the **Copy HIMEM.SYS** checkbox.



Portlock Boot Wizard FAQ

Q) What is the purpose of the Portlock Boot Wizard?

A) The Portlock Boot Wizard has several purposes:

- Create a TCP/IP boot diskette preconfigured for a particular network adapter for Portlock Storage Manager.
 - Portlock Storage Manager supports TCP/IP communication for Remote Control, Server-to-Server Migration, Image Creation and Image Restoration. The process of creating the TCP/IP Boot Diskette is complicated, requiring knowledge about the Novell Client32 files, NetWare LAN drivers, etc. By automating this procedure, customers will have a better experience with Portlock products.
- Create a Portlock Storage Manager diskette with the correct files for execution under DOS.
 Portlock Storage Manager executes on NetWare as an NLM (NetWare Loadable Module) or on DOS. Determining which files to copy to a diskette is not intuitive and requires consulting the user guide.
- Create a Bootable Image File to be downloaded as part of the PXE boot process.
 Most computers and servers manufactured since 1998 have the ability to boot from the network using the PXE (Preboot Execution Environment) and TFTP (Trivial FTP Protocol). Portlock Boot Wizard can create image files that can then be downloaded and executed by a remote computer. Future Portlock products, including Portlock Boot Server and Portlock Console, will support full remote booting/control of computer systems.

Q) What are the system requirements to install Portlock Boot Wizard?

A) Portlock Boot Wizard can be installed on Windows 98 / NT / ME / 2000 / XP / 2003.

Q) Why doesn't the Portlock Boot Wizard include MS-DOS?

A) MS-DOS is a copyrighted Microsoft product that would require royalties. Portlock Boot Wizard includes an automated method of loading and saving the DOS files for creating bootable diskettes and image files.

Q) What is the best version of DOS to use?

A) MS-DOS is no longer being developed by Microsoft. The most compatible version of DOS is Microsoft's MS-DOS. Portlock recommends using the version of MS-DOS from Windows 98 Second Edition. Portlock Boot Wizard also supports creating bootable diskettes and image files with IBM's PC-DOS and DR-DOS.

Q) Why is HIMEM.SYS required?

A) HIMEM.SYS, which is a memory manager, is not required for all Portlock Boot Wizard operations.

- The Novell Client32 TCP/IP stack *requires* a memory manager.
- Portlock Storage Manager *does not* require a memory manager.
 Portlock Storage Manager has its own built-in memory manager and we do not recommend loading HIMEM.SYS from CONFIG.SYS for Portlock Storage Manager, as this will limit the amount of physical memory that can be accessed.

Q) What is PCISCAN?

A) PCISCAN.EXE and PCISCAN.NLM are software tools that scan the system's PCI bus, recording the PCI devices that it finds. These tools can be used on any DOS or NetWare system to determine which network adapters are installed. By creating a file 'PCISCAN.DAT', Portlock Boot Wizard can load this file and then determine the network adapter to use.

Q) What is PCISCAN.SYS and why does Portlock Boot Wizard recommend using it?

A) The PCISCAN.SYS is a Windows device driver for Windows NT / 2000 / XP / 2003 that supports directly accessing the PCI bus on Windows-based systems. If this device driver is not installed, then Portlock Boot Wizard will attempt to determine the PCI devices from the Windows registry. Windows NT does not keep PCI device information in its registry, so this driver is required if the Portlock Boot Wizard is installed on Windows NT.

Q) How does Portlock Boot Wizard scan other computer systems?

A) Portlock Boot Wizard uses various methods depending on the target operating system.

Note: You may be required to login or authenticate with a remote computer system.

- DOS: Remote scanning is not supported.
 - Create a PCISCAN diskette, execute PCISCAN from DOS and then load PCISCAN.DAT PCI device information with Portlock Boot Wizard.
- Windows 95: Remote scanning is not supported.
 - Create a PCISCAN diskette, execute PCISCAN from DOS and then load PCISCAN.DAT PCI device information with Portlock Boot Wizard.
- Windows NT: Remote scanning is not supported.
- Windows 98 / ME / 2000 / XP / 2003: Portlock Boot Wizard uses the Remote Registry Service to access the PCI device information stored in the Window's registry.
- NetWare 3.x: Remote scanning is only supported if the NLM portlock.nlm is loaded manually.
- NetWare 4.x thru 6.5: Portlock Boot Wizard uses NCP (Novell Core Protocols) to install and execute the Portlock NLM (portlock.nlm) on the target NetWare server. Using NCP, a request is made to portlock.nlm to scan the PCI bus and return the PCI devices found. Once the scan is complete, portlock.nlm is unloaded.

Q) How do I modify an Image File once I have created it?

A) Use the Portlock Boot EditorTM to create / manage / modify image files.

Q) How do I boot a remote machine using an image file that I have created?

A) Use the Portlock Boot ServerTM to manage booting remote machines. The Portlock Boot ServerTM supports PXE and TFTP protocols embedded in most modern computer systems.

Note: You may need to enable PXE boot capabilities on each Workstation / Server in their BIOS setup.

This Portlock FAQ can also be found online at <u>http://www.portlock.com/products/BootWizard/faq.htm.</u>



Notes on PCISCAN.DAT

Overview

PCISCAN.DAT is the file that contains information about the PCI devices on a machine. Each line in the file represents a single PCI device.

Each line contains six fields. These fields represent, in order: Device Type, Vendor ID, Device ID, Subvendor ID, Subsystem Device ID and Revision ID.

Brief introduction of Fields

Device Type represents the class of PCI devices. For instance, Device Type 01 is a storage device, and Device Type 02 is a network device.

Vendor ID is used to identify the manufacturer of the device.

Device ID is used in identifying the device. Together with the Vendor ID, the Device ID uniquely identifies the particular device model.

Subsystem Vendor ID and Subsystem Device ID are used to uniquely identify and provide a mechanism for add-in adaptor vendors to distinguish their devices.

Revision ID is the latest revision of the device.

Contacting Portlock Software

Should Portlock Boot Wizard not recognize your adapters, please ensure that you are running the latest version of Portlock Boot Wizard by visiting our website. If your adapters are still not being recognized by the software, please send the PCISCAN.DAT file (created with the *Create a Portlock PCI Config Diskette* option) to <u>support@portlock.com</u>. Please add a description of the adapters if this information is available. Also, remember to attach the file PCISCAN.DAT.



Microsoft Remote Registry Service "Operating Portlock Boot Wizard on Windows 98"

Running Portlock Boot Wizard on Windows 98

If you are operating on a system that runs Windows 98, you must install Microsoft Remote Registry Service to use Portlock Boot Wizard. For details on using Microsoft Remote Registry visit Microsoft's website at <u>http://msdn.microsoft.com/library/default.asp?url=/library/en-us/sysinfo/base/regconnectregistry.asp.</u>

The following steps show you how to install Microsoft Remote Registry Service onto your OS:

1. Double-click the file REMOTE.EXE. This will cause it to decompress itself.

WARNING: Make sure that you are running this .EXE file in an empty folder or on a blank formatted diskette. Do not run this .EXE file in your \WINDOWS or \WINDOWS\SYSTEM folder.

- 2. To install this service, use the **Network** option in **Control Panel**, click the **Add** button, select **Service** as the type of network component to install, click the **Add** button, click the **Have Disk** button, and install from the folder that REMOTE.EXE was run. (Similar directions are in the REGSERV.TXT file.)
- 3. Once you have installed the files, you can delete the REMOTE.EXE file.

ARNIN



Requirements to run Portlock Boot Wizard

Requirements:

To run Portlock Boot Wizard, the following requirements apply:

- 1. Floppy diskette.
- 2. For bootable diskettes, a DOS Operating System of your choice must be available on a diskette.
- 3. Portlock Boot Wizard can be run on Windows 98/ME/2000/XP/2003.
- 4. For support on Windows 98 you will need to add the Windows 98 Remote Registry Service. This will need to be installed if you want to either scan another Windows 98 workstation, or if you have installed Portlock Boot Wizard to be able to scan a remote Windows workstation/ server.
- 5. In order to scan NetWare servers you will need to have Novell Client32 installed on the workstation from which you are running Portlock Boot Wizard.
- 6. For Windows NT, we only support Windows NT 4.0 SP6.



 Interfacing your Boot Diskette with Portlock Storage Manager

Interfacing your Boot Diskette with Portlock Storage Manager

In order for Portlock Storage Manager to interface to TCP/IP in DOS mode you need to create a TCP/IP boot diskette.

Use Portlock Boot Wizard to create the relevant TCP/IP boot diskette and boot up your computer. Once the diskette has been booted and it has an IP address, you can take out the TCP/IP boot diskette and insert the diskette that contains Portlock Storage Manager.

You can use Portlock Boot Wizard to create the diskette or you can create the diskette yourself.

If the diskette is created by Portlock Boot Wizard, it will copy the files off the Portlock Boot Wizard computer to a floppy diskette. The source directory used to copy the files is from the installation of Portlock Storage Manager (available from <u>www.portlock.com/download.htm</u>).

It will copy over the following files:

STORMGR.EXE	The DOS executable to load Portlock Storage Manager
STORMGR.CLM	Compressed NLM that is decompressed during load by STORMGR.EXE
STORMGR.LIC	License file for Portlock Storage Manager which would have been emailed to you when you purchased the software
TCPIPN.NLM	TCP/IP support module for Portlock Storage Manager which allows it to interface with the Novell Client32 DOS TCP/IP stack

Note: If you choose to make the Portlock Storage Manager diskette bootable, it may not be possible to copy the files depending on the amount of space the DOS boot files require on the diskette.



Novell TCP/IP Client32 Configuration

Novell Client32

When Portlock Boot Wizard creates a bootable diskette, it will copy all of the relevant files to a diskette.

The following files are copied to the boot diskette into the \CLIENT32 directory. These are the Novell Client32 files for support of TCP/IP:

- CMSM.NLM
- ETHERTSM.NLM
- LANSUP.NLM
- LSLC32.NLM

- NBIC32.NLM
- NIOS.EXE
- TCPIP.NLM

There is one other file that is copied over that is specific to the LAN Adapter that was detected/ selected to create the boot diskette. For this example we will use the driver for the Intel 10/100 network adapter.

• CE100B.LAN

Several other files are created on the floppy diskette to allow it to load the Novell Client32 (besides the normal CONFIG.SYS and AUTOEXEC.BAT). The files that are created are:

- STARTNET.BAT: This batch file loads Novell Client32.
- NET.CFG: This file contains information for the network adapter that was selected to be built.

The NET.CFG created by DHCP Configuration is displayed below:

Protocol TCPIP:

; DHCP Config IF_CONFIGURATION DHCP LAN_NET PATH TCP_CFG A:\CLIENT32\TCP TCP_RCV_WINDOWSZ 32768 ARP_CACHE_MAX 128 BIND CE100B

The NET.CFG created by Static IP Address Configuration is below:

Protocol TCPIP:

; Static IP Config IF_CONFIGURATION STATIC LAN_NET PATH TCP_CFG A:\CLIENT32\TCP TCP_RCV_WINDOWSZ 32768 ARP_CACHE_MAX 128 IP_ADDRESS 192.168.1.100 IP_NETMASK 255.255.255.0 IP_ROUTER 192.168.1.1 BIND CE100B



BootWizard.EXE Command Line Options

BootWizard.EXE Command Line Options

Portlock Boot Wizard supports a number of **Command Line Options** that can be used to modify the behavior of the software.

Command Syntax:

•

bootwizard [options]

Command Line Options:

- 1. -debug: Turns on debugging during the execution of Portlock Boot Wizard.
- 2. -logfile=name: Creates a logfile during the execution of the program and writes it to the name specified. This may be required by Portlock Technical Support to help resolve a problem.

APPENDIX

Contains:

Error Messages

Possible Error Messages using Portlock Boot Wizard:

The following section explains possible error messages you may receive when operating Portlock Boot Wizard.

Portlock Boot Wizard Portlock Boot Wizard Select Ethernet Adapte	ŗ
Computer Name:	Local Computer
Select Ethernet	Adapter:
- IP Addre	lock Boot Wizard
🕤 Use C Stati	Error: No Ethernet Adapters were found. This could be caused by not having an Ethernet Adapter installed or Portlock Boot Wizard does not have an entry in its database
IP A Sub	For your Ethernet Adapter. Please contact Portlock Support.
Gateway:	
1 <u>.</u>	
	View User Guide
	<pre> < Back Next > Cancel Help</pre>

You may receive the following error message if Portlock Boot Wizard is interrupted.

Portlock Boot Wizard	×
Portlock Boot Wizard Create Diskette	
Creating diskette 1 of 1 Portlock PCISCAN for DOS Diskette Portlock Boot Wizard Image: Comparison of the state of	
View U:	ser Guide
KBack Next > Cancel	Help

This notice will appear, anytime you are not using an empty floppy. When you enter a floppy diskette into the drive and press OK, make sure that you are working with an empty diskette.

Diskette Options Menu

- 1) If DOS in not loaded, then the option to select DOS booting is disabled.
- 2) If HIMEM.SYS is not loaded, the option to select HIMEM.SYS is disabled.
- 3) If you are building a TCP/IP diskette and HIMEM.SYS is not loaded, an error will appear explaining that you need to copy HIMEM.SYS to your directory.
- 4) If you are building a TCP/IP diskette and HIMEM.SYS is loaded but not selected a warning will appear that HIMEM.SYS will be copied.

APPENDIX

Contains:

NetWare Server Scan
PCI Scan Diskette

If you created a diskette to allow a NetWare PCI scan, insert the floppy diskette into the server and type the following command:

"Load A:\PCISCAN"

Once the PCISCAN.DAT file has been created, load the file into Portlock Boot Manager in order to have the correct diskette created for that NetWare server.

NetWare 3.12

Due to limitations in the NCP protocols for NetWare 3.12, you can not scan this version of NetWare remotely. In order to scan NetWare 3.12, you need to create a NetWare PCISCAN diskette and load the program as mentioned previously.

Scanning Servers from a Workstation

When you select a NetWare server to scan, Portlock Boot Wizard will detect whether you are already connected. If connected, then it will use that connection to create a directory on the root of SYS: called STORMGR. It will then copy over an NLM called PORTLOCK.NLM.

This NLM contains the routines to scan the PCI bus of a NetWare server. If you have Portlock Storage Manager already installed, it will not overwrite the existing file. Instead it will use the PORTLOCK.NLM detected to do the scan.



North American Headquarters 65 East Broadway Fourth Floor Butte, Montana 59701

> Phone: +1 (406) 723-5200 Fax: +1 (406) 723-5205

www.portlock.com