

VWATM
Control Panel
User's Guide



431106501A

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VWA Control Panel User's Guide

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This User's Guide describes how to use the VWA Control Panel.

Before you proceed, observe the following conventions that are used in this User's Guide.

- Procedures are numbered.
- **Note:** Precedes information that requires special attention.
- The carriage return or Enter key is referred to as the RETURN key. This key is marked as ↵ on your workstation keyboard.
- Menus, commands, and window options are shown in **bold**.
- Filenames are shown in *italics*.
- “Left mouse button” refers to the left button on the integrated trackball or an external mouse.
- “Select” means to press the left button on the trackball or mouse.
- “Double-click” means to press the left mouse button twice in succession.
- “Pointer” refers to the cursor that appears on the screen.
- “Drag” means hold down the left mouse button as you use a mouse or trackball to move the pointer on the screen.

Contents of This Guide

In addition to this Introduction, this User's Guide contains the following chapters.

- **Chapter 2, Overview** — provides an overview of the VWA Control Panel.
- **Chapter 3, File Menu** — describes the options in the **File** menu.
- **Chapter 4, Networks Menu** — describes the options in the **Networks** menu.
- **Chapter 5, Applications Menu** — describes the options in the **Applications** menu.
- **Chapter 6, System Menu** — describes the options in the **System** menu.

Supplemental Documentation

This User's Guide is part of a set of documents provided by RDI for your convenience. Additional information can be found in the following supplemental documentation:

- “UltraBook User’s Guide”
- “UltraBook Hardware Reference Guide”
- “Software User’s Guide”
- “Solaris 2.X Software Installation Manual”
- “VWA Control Panel Software Installation Manual”
- “AutoNET Reference Guide”

- “JOIN Reference Guide”

Notes

2

Overview

This chapter provides an overview of the VWA Control Panel. Topics include:

- Introduction — see the next section.
- Starting the VWA Control Panel — see page 2-2.
- VWA Control Panel description — see page 2-3.
- The VWA database directory — see page 2-5.
- Message popup window — see page 2-6.
- Error popup window — see page 2-7.
- VWA authorized users — see page 2-8.
- Exiting the VWA Control Panel — see page 2-9.
- Using VWA with other Window managers — see page 2-9.

Introduction

The VWA Control Panel is the main interface to RDI's Virtual Workgroup Architecture (VWA). Using the VWA Control Panel, you can:

- Start the various VWA components.
- Manage the AutoNET network database.

- Access UNIX system networking functions, such as mounting and unmounting file systems, exporting and unexporting, and allowing authorized users to halt or reboot the workstation.

Starting the VWA Control Panel

To start the VWA Control Panel:

1. Make sure an X11R4- or X11R5-compliant window manager (such as OpenWindows) is operating on your workstation and that you are logged in and in the windowing environment. (OpenWindows is factory-installed on all PowerLite workstations.)

Note: The VWA Control Panel will not work outside an X Windows environment.

2. From a UNIX tool or xterm, type the following line and press the RETURN key:

```
/usr/openwin/bin/xvwa &
```

OR

From OpenWindows, hold down the right mouse button and select **VWA Control Panel** from the Workspace menu.

Either method displays a copyright screen followed by the VWA Control Panel (see Figure 2-1).



Figure 2-1. VWA Control Panel

Note:

If you prefer, you can have the Control Panel automatically started when you enter the window environment by adding the Control Panel to your windowing environment start-up file (for example, *.openwin-init*, *.xinitrc*, or *.panorama-init*). The Control Panel Startup command can also be added to your root window menu.



For more information, refer to your window manager help files, associated man pages, or other window manager documentation.

VWA Control Panel Description

As part of RDI's on-going commitment to industry standards, the VWA Control Panel conforms to Motif in appearance and in operation. Moreover, the VWA Control Panel follows the format of a Motif menu bar.

Working with Main Menus

The VWA Control Panel has four main menus, which group the VWA functions into related categories:

- **File** — refer to Chapter 3.
- **Networks** — refer to Chapter 4.
- **Applications** — refer to Chapter 5.
- **System** — refer to Chapter 6.

Working with Text Field Boxes

When you select an option from the main menu, a window appears. Some windows have text field boxes, which require you to provide additional information before the option can be performed. The License Window in Figure 2-2, for example, has three text box fields.



The screenshot shows a window titled "License Window" with a blue background. It contains several text input fields and buttons. At the top, there are two fields: "Hostname" with the value "rdidemo00" and "IP Address" with the value "198.17.37.142". Below these is a section titled "Network Services" with two radio buttons: "NIS Domain" (selected) and "None". Underneath, there are four rows, each with a label, a text field, and an "Edit" button: "Hosts File" (value: "hosts"), "Mounts File" (empty), "Exports File" (value: "exports"), and "Printers File" (value: "printcap"). At the bottom of the window are three buttons: "Apply", "Reset", and "Dismiss".

Figure 2-2. Modify the Selected Network Window

To enter information in a text field box:

1. Move your mouse or trackball until the pointer appears in the text field box.
2. Press the left mouse button. The cursor appears in the text field box and a black border surrounds the box, indicating that it is active.
3. You can now use your keyboard to enter information in the text field box.

If you make a mistake while entering text, you can:

- Backspace over the text, then type the correction.
- Highlight the text that is incorrect, then type the correction. Your correction will replace the highlighted text automatically.
- Select the **Reset** button. Since this button returns the window to its original settings, or to the settings that were in effect since you last selected the **Apply** button, you may prefer to use one of the other methods.

Note:

When the cursor is in a text box, you can press the Tab key to move to other text boxes.

The VWA Database Directory

VWA files reside in the database directory. These files include the network configuration files, network system resource files, and the VWA authorization files. Access to the VWA database is restricted to the superuser or an authorized user.

The VWA network configuration files are stored in directory trees whose names are formed from a mask of the network's IP address. These directories contain a network configuration file (called *netinfo*), and several system network resource files. The system resource files are used to configure access to certain UNIX resources for the network configuration. These resources include:

- Known network hosts
- Name server configuration file
- Shared filesystem functions

VWA uses these files instead of the traditional UNIX system files. The default names for the system files stored in these directories include the *netinfo* file, *exports* file (also known as *dfstab* in Solaris 2.x), *rfstab* (remote mounts) file, *hosts* file, and name server configuration file. For more information on these files and on the VWA database, refer to the appropriate chapter in this User's Guide or to the "AutoNET Reference Guide."

VWA authorization files include the AutoNET license file (*License.dat*) and the *access* and *deny* files. Refer to "VWA Authorized Users" on page 2-8 or the "AutoNET Reference Guide" for more information on VWA authorization.

The default location for the VWA database directory is */etc/VWA*. If it is placed in some other location, you must either create a symbolic link pointing to that location, or set the environment variable **VWABASE** to the new location so that AutoNET and the VWA Control Panel can locate the VWA database. Refer to the man page for *ln(1V)* or your UNIX shell man page or documentation.

Message Popup Window

When a VWA command is successfully performed, a message popup window appears, with a brief message describing the operation that was performed.

The message popup window includes an **OK** button. To remove the message popup window, select **OK** with your mouse or press the RETURN key.

Figure 2-3 shows a typical message popup window.

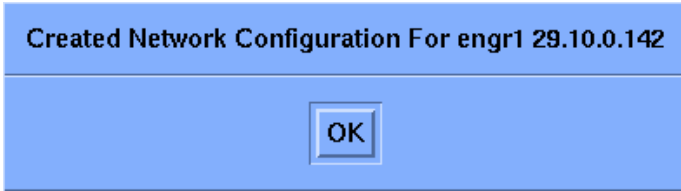


Figure 2-3. Typical Message Popup Window

Error Popup Window

If a VWA operation fails, an error popup window appears. This window notifies you of which operation has failed and, if possible, describes why the operation failed.

Like the message popup window, the error popup window includes an **OK** button. To remove the error popup window, select **OK** with your mouse or press the RETURN key. You can then correct the error condition before retrying the VWA operation.

Figure 2-4 shows a typical error popup window.

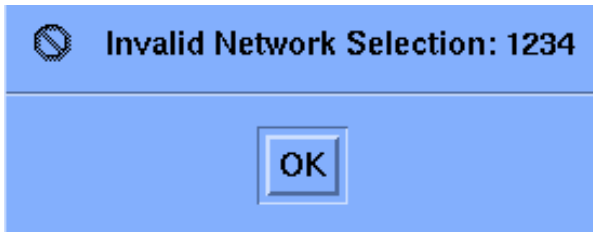


Figure 2-4. Typical Error Popup Window

VWA Authorized Users

The root user (or “superuser”) is authorized to use all VWA functions. Some VWA operations will not operate successfully if you or another user does not have superuser privileges.

The AutoNET/VWA authorization facility does allow users to perform certain actions through VWA, without having to be the superuser. These actions include:

- Mounting and unmounting filesystems
- Exporting and unexporting filesystems
- Starting and stopping UNIX networking functions
- Rebooting or shutting down the workstation

The files for determining authorized users are called *access* and *deny*, and reside in the VWA database directory. These files must always exist in this directory for AutoNET and the VWA Control Panel to operate properly.

If a user name appears in the VWA database *access* file, that user has superuser privilege. If the word “all” appears in this file, all users have superuser privileges.

If a user name appears in the VWA database *deny* file, that user is explicitly prevented from using these VWA functions. If the word “all” appears in the *deny* file, only the superuser or users explicitly allowed in the *access* file will be able to use VWA in this privileged mode.

By default, the word “all” appears in the *access* file and the *deny* file is empty after VWA is installed.

For more information on these files and on the VWA authorization facility, refer to the “AutoNET Reference Guide.”

Exiting the VWA Control Panel

To exit the VWA Control Panel, select **Exit VWA** from the **File** menu.

Using Other Window Managers

For added versatility, the VWA Control Panel can operate with various X11R4 (or later)-compliant window managers, including:

- mwm (Motif Window Manager)
- Panorama (Motif Virtual Window Manager available from RDI or IXI)
- olwm (OpenLook Window Manager)
- olvwm (OpenLook Virtual Window Manager)
- Common Desktop Environment (CDE)

When operating under a non-Motif window manager, the VWA Control Panel and its components behave just like any other Motif application operating in a non-native environment. For example, the appearance of a window and its window menus may appear slightly different, and square buttons may look round. This will not affect VWA functionality.

You can also quit the VWA Control Panel the same way you quit other windows or applications in your environment. This method differs from window manager to window manager, so refer to your window manager man page or user documentation for more information on how to dismiss and quit windows and applications.

3

File Menu

File
RDI Information
Exit VWA

This chapter describes the **File** menu. The **File** menu contains utilities that:

- Provide RDI and VWA information
- Let you exit the VWA Control Panel — see page 3-1.

RDI Information Option

When you select **RDI Information** from the **File** menu, the window in Figure 3-2 appears. The window bar shows the VWA Control Panel software version.

This window shows RDI Computer Corporation's address and telephone and fax numbers. The window also shows the telephone number for VWA Product Licensing, and the telephone number and Internet E-mail address for VWA Product Support.

You can use the **Dismiss** button to close the window.

Exit VWA Option

Selecting **Exit VWA** from the **File** menu removes the VWA Control Panel from the screen. To access the VWA Control Panel again, use the procedure under "Starting the VWA Control Panel" in Chapter 2.

NOTES

4

Networks Menu

Networks

Configure A New Network
Modify An Existing Network
View An Existing Network
Delete A Saved Network

This chapter describes the **Networks** menu. The **Networks** menu provides utilities for managing AutoNET networks. A superuser or authorized user can use these utilities to:

- Configure and store a new network into the VWA database — see the next section.
- Modify an existing network configuration — see page 4-4.
- View the stored network configurations in the database — see page 4-8.
- Delete a saved network configuration from the VWA database — see page 4-11.

Configure A New Network Option

Using **Configure A New Network** from the **Networks** menu, a superuser or authorized user can create a network configuration and save it in the VWA database.

After a network is created, it can be changed using **Modify An Existing Network** (refer to page 4-4). Alternatively, the network configuration can be deleted and then recreated.

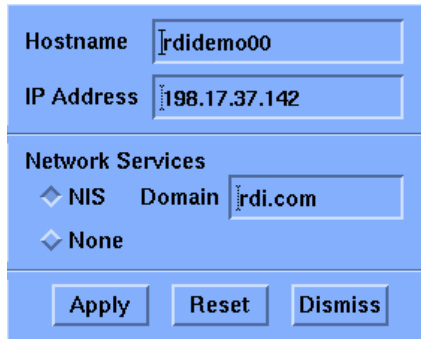
Understanding the Configure A New Network Window

When you select **Configure A New Network**, the Configure A New Network window appears (see Figure 4-1). This window shows the workstation's:

- Current hostname
- IP address
- Network service type (NIS or None)
- Domain name (if any)

Note:

If you are not familiar with these concepts, refer to the “Sun System Administration Manual” for more information.



Hostname	rdidemo00	
IP Address	198.17.37.142	
Network Services		
<input checked="" type="radio"/> NIS	Domain rdi.com	
<input type="radio"/> None		
Apply	Reset	Dismiss

Figure 4-1. Configure A New Network Window

The Configure A New Network window also contains three buttons:

- **Apply** — creates and saves the new network configuration in the VWA database.

- **Reset** — returns the window to the original settings or to the settings that were in effect the last time you selected **Apply**.
- **Dismiss** — closes the Configure A New Network window.

Creating a New Network Configuration

To create a new network configuration, use the following procedure:

1. Select **Configure A New Network** from the **Networks** menu. The Configure A New Network window appears (see Figure 4-1).
2. Change the **Hostname** and/or **IP Address**, if necessary.
3. If NIS will be running on the network, select **NIS** under **Network Services**. Otherwise, select **None**.
4. If you selected **NIS**, move to **Domain** and press the left mouse button. Then enter a domain name.

Note: **Domain** is not available when **Network Services** is set to **None**.

5. Select **Apply** to create and save this network configuration in the VWA database. If the procedure succeeds, a message popup window tells you that it has succeeded. If the procedure fails, an error popup window tells you why it failed. Possible reasons it failed may be:
 - You left the **Hostname** or **IP Address** box blank.
 - You selected **NIS**, but failed to specify a **Domain**.

Note: This command creates only a minimal network configuration containing only the information displayed here. Use the **Modify A Network** option to configure additional network resources.

Modify An Existing Network Option

Using **Modify An Existing Network** from the **Networks** menu, a superuser or authorized user can change a previously saved VWA network configuration. Specifically, you can change:

- System hostname
- IP address
- Domain name
- Network service type value

You can also edit the VWA database network resource files for hosts, remote filesystem mounts (*rfstab*), printers, and exports (*dfstab*).

Understanding the Select A Network To Modify Window

When you select **Modify An Existing Network**, the Select A Network To Modify window appears (see Figure 4-2). At the top of the window is a scrolling list of available network configurations saved in the VWA database.

After selecting a network configuration from this list, or entering a network configuration in the **Network Selection** box, that network becomes active for modifying.

The following three buttons appear at the bottom of the window:

- **Modify** — displays the Modify the Selected Network window with the information for the selected network configuration.
- **Reset** — deselects any highlighted item and erases any text entered in the **Network Selection** text field box.
- **Dismiss** — closes the Select A Network To Modify window.

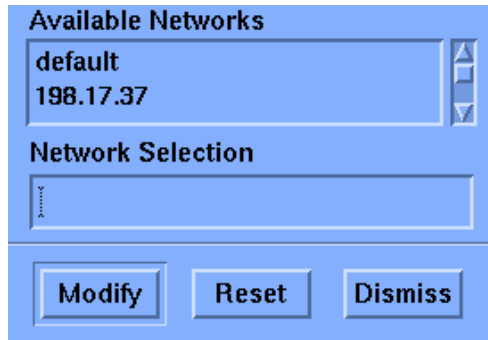


Figure 4-2. Select A Network To Modify Window

Modifying an Existing Network Configuration

To modify an existing network configuration, use the following procedure:

1. Select **Modify An Existing Network** from the **Networks** menu. The Select A Network To Modify window appears (see Figure 4-2).

- From the **Available Networks** scrolling list, double-click on a network configuration or select a configuration followed by **Modify**. If you do not see the network you desire, use the scroll arrows at the right side to scroll through the list.

OR

Enter the name of the network configuration in the **Network Selection** text field box and select **Modify**.

The Modify the Selected Network window appears, with the network configuration information from the database (see Figure 4-3).

Hostname	rdidemo00	
IP Address	198.17.37.142	
Network Services		
◇ NIS Domain		
◇ None		
Hosts File	hosts	Edit
Mounts File		Edit
Exports File	exports	Edit
Printers File	printcap	Edit
Apply Reset Dismiss		

Figure 4-3. Modify the Selected Network Window

- Modify the **Hostname**, **IP Address**, and/or **Network Services**, if desired.

4. If you do not want to modify a VWA network system resource, proceed to step 9.

OR

To modify a VWA network system resource file, select the **Edit** button corresponding to the system resource you want to modify. A network scrolling editor window similar to the one in Figure 4-4 appears, with the currently stored contents of the specified file.

Note: If the file does not currently exist, the text field will be blank.

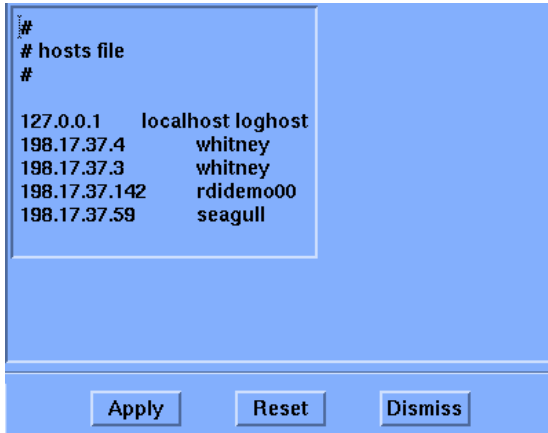


Figure 4-4. Network Scrolling Editor Window

5. Move the pointer into the text field area and press the left mouse button to make the area active for editing.
6. Add or delete text, as necessary.
7. When you finish editing, select **Apply** to save your changes to the file.
8. Select **Dismiss** to close the window.

Note:

If you select **Dismiss** without first selecting **Apply**, your changes will be discarded.

9. From the Modify the Selected Network window, select **Apply**. Then select **Dismiss**.

View An Existing Network Option

Using **View An Existing Network** from the **Networks** menu, you can view a network configuration stored in the VWA database. The main network configuration file (*netinfo*), and all of the other network resource files can be viewed using this option. The format of the network configuration viewing windows are similar to the network modification windows however, no changes can be made while viewing the configuration.

Understanding the Network Selection Window

When you select **View An Existing Network**, the Select A Network To View window appears (see Figure 4-5). At the top of the window is a scrolling list of available network configurations saved in the VWA database. After selecting a network configuration from this list, or entering a network configuration in the **Network Selection** box, that network becomes active for viewing.

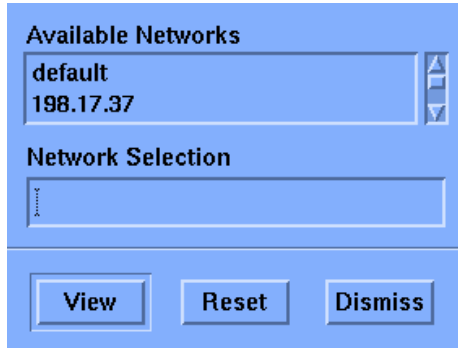


Figure 4-5. Select A Network To View Window

The following three buttons appear at the bottom of the window:

- **View**— displays the View A Network window with the information for the selected network configuration.
- **Reset** — deselects any highlighted item and erases any text entered in the **Network Selection** text field box.
- **Dismiss** — closes the Select A Network To View window.

Viewing an Existing Network Configuration

To view an existing network configuration, use the following procedure:

1. Select **View An Existing Network** from the **Networks** menu. The Select A Network To View window appears (see Figure 4-5).

- From the **Available Networks** scrolling list, double-click on a network configuration or select a configuration followed by **View**. If you do not see the network you desire, use the scroll arrows at the right side to scroll through the list.

OR

Enter the name of the network configuration in the **Network Selection** text field box and select **View**.

The View A Network window appears, with the network configuration information from the database (see Figure 4-6).

The screenshot shows a window titled "View A Network" with a light blue background. It contains several sections:

- Hostname:** A text box containing "rlddemo00".
- IP Address:** A text box containing "198.17.37.142".
- Network Services:** A section with two checkboxes: NIS and None. To the right of the NIS checkbox is a text box labeled "Domain".
- Hosts File:** A text box containing "hosts" and a "View" button to its right.
- Mounts File:** An empty text box and a "View" button to its right.
- Exports File:** A text box containing "exports" and a "View" button to its right.
- Printers File:** A text box containing "printcap" and a "View" button to its right.
- Dismiss:** A button at the bottom center of the window.

Figure 4-6. View A Network Window

- To view a VWA network resource file, select the **View** button corresponding to the system resource you want to view. A network scrolling editor window similar to the one in Figure 4-7 appears, with the currently stored contents of the specified file. When you finish viewing the editor, select **Dismiss**.

Note: If the file does not currently exist, the text field will be blank.

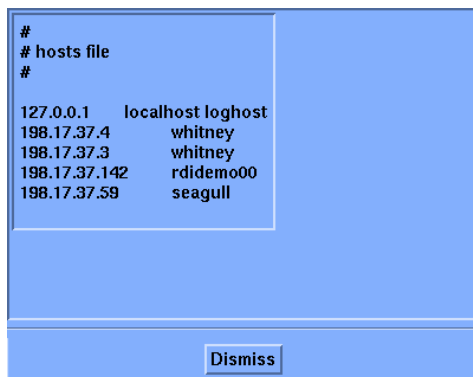


Figure 4-7. Network Scrolling Editor Window

4. When you finish viewing, select **Dismiss** to return to the Control Panel.

Delete A Saved Network Option

Using **Delete A Saved Network**, a superuser or authorized user can permanently remove a previously configured network from the VWA database. Once a network has been deleted, it cannot be retrieved.

Understanding the Select A Network To Delete Window

When you select **Delete A Saved Network**, the Select A Network To Delete window appears (see Figure 4-8). At the top of the window is a scrolling list of available network configurations saved in the VWA database. After selecting a network configuration from this list, or entering a network configuration in the **Network Selection** box, that network can be deleted.

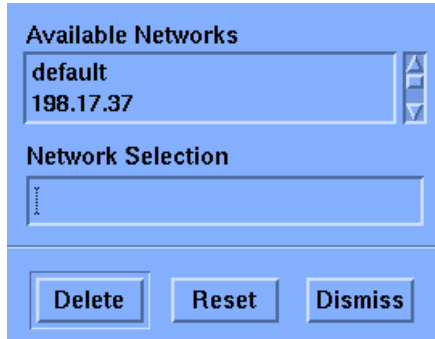


Figure 4-8. Select A Network To Delete Window

The following three buttons appear at the bottom of the window:

- **Delete** — lets you delete the selected network configuration.
- **Reset** — deselects any highlighted item and erases any text entered in the **Network Selection** text field box.
- **Dismiss** — closes the Select A Network To Delete window.

Deleting a Saved Network

To delete a network, use the following procedure:

1. Select **Delete A Saved Network** from the **Networks** menu. The Select A Network To Delete window appears (see Figure 4-8).

2. From the **Available Networks** scrolling list, double-click on a network configuration or select a configuration followed by **Delete**. If you do not see the network you desire, use the scroll arrows at the right side to scroll through the list.

OR

Enter the name of the network configuration in the **Network Selection** text field box and select **Delete**.

A window asks if you are sure you want to delete the selected network.

3. Select **OK** to permanently remove the network configuration from the VWA database.

OR

Select **Cancel** or **Dismiss** to keep the network configuration in the VWA database.

Note: You cannot delete the default network.

Notes

5

Applications Menu

Applications

Start XpressFAX

This chapter describes the **Applications** menu. The **Applications** menu contains the unbundled application components of VWA, allowing you to start an application from the VWA Control Panel. Currently, **Start XpressFAX (RDIFax)** is the only option in the **Applications** menu.

Overview

Start XpressFAX (RDIFax) Option

Using **Starting XpressFAX (RDIFax)** from the **Applications** menu, you can start the XpressFAX (RDIFax) software. For more information, refer to the “Software User’s Guide.”

Note:

You must obtain a license key from RDI before you can use XpressFAX (RDIFax). Refer to the XpressFAX (RDIFax) chapter in the “VWA Software Installation Guide” for more information.

Notes

6

System Menu

System

Start A Network
Stop The Network
Mount A Filesystem
Unmount A Filesystem
Export A Filesystem
Unexport A Filesystem
Reboot The System
ShutDown The System

This chapter describes the **System** menu. The **System** menu provides system-related options uniquely designed for the portable workstation environment. Using these options, a superuser or an authorized user can perform the following actions:

- Start a network— see the next section.
- Stop a network — see page 6-4.
- Mount a filesystem— see page 6-5.
- Unmount a filesystem — see page 6-8.
- Export a filesystem — see page 6-10.
- Unexport a filesystem — see page 6-12.
- Reboot the system — see page 6-14.
- Shut down the system — see page 6-15.

Start A Network Option

Using **Start A Network** from the **System** menu, a superuser or an authorized user can attach to a previously configured network. This option can be used to start UNIX networking functions if the workstation was not connected to a network when the workstation was booted.

Understanding the Start Network Resources Window

When you select **Start A Network**, the Start Network Resources window appears (see Figure 6-1). At the top of the window is a scrolling list of available network configurations saved in the VWA database. After selecting a network configuration from this list, or entering a network configuration in the **Network Selection** text field box, the workstation can connect to it.

The following three buttons appear at the bottom of the window:

- **Apply** — stops any current UNIX system networking services and tries to start the networking services for the selected network configuration.
- **Reset** — deselects any highlighted item and erases any text entered in the **Network Selection** text field box.
- **Dismiss** — closes the Start Network Resources window.

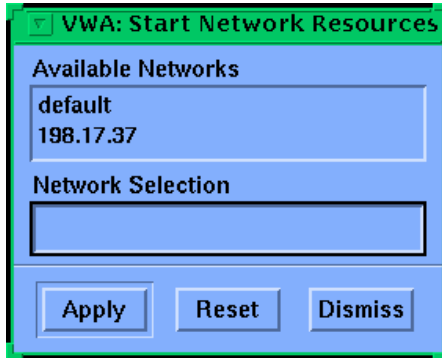


Figure 6-1. Start Network Resources Window

Starting a Network

To modify an existing network configuration, use the following procedure:

1. Physically attach the workstation to the network to which you want to connect.

Note:

If you fail to physically attach the workstation to the network, an error condition will occur when you perform this procedure and the workstation will be suspended (“hang”).

2. Select **Start a Network** from the **System** menu. The Start Network Resources window appears (see Figure 6-1).
3. From the **Available Networks** scrolling list, double-click on a network configuration or select a configuration followed by **Apply**. If you do not see the network you desire, use the scroll arrows at the right side to scroll through the list.

OR

Enter the name of the network configuration in the **Network Selection** text field box and select **Apply**.

The VWA software attempts to stop the networking services for the current network and start networking services for the selected network. The selected network then becomes the current network for the workstation.

Note: If the workstation cannot connect to the selected network, an error message popup window appears.

Stop The Network Option

Using **Stop The Network** from the **System** menu, a superuser or an authorized user can stop all of the configured networking services on the workstation. This option is useful when you want to disconnect the workstation from a network without turning off the workstation.

This option affects all UNIX networking services. As a result, the workstation will not be able to contact other systems, and other systems will not be able to contact it until the network services are restarted using **Start A Network** (see page 6-2).

To stop the network, use the following procedure:

1. Select **Stop The Network** from the **System** menu. A window asks if you are sure you want to stop networking functions (see Figure 6-2).



Figure 6-2. Stop Networking Window

2. Select **OK** to stop networking functions.

OR

Select **Cancel** or **Dismiss** to continue networking functions.

Mount A Filesystem Option

The **Mount A Filesystem** option from the **System** menu provides the user with a simple way to mount NFS filesystems from other machines or to mount local filesystems. This option also allows the user to mount filesystems already specified in the system mount file (*/etc/vfstab*).

Once a filesystem has been mounted by VWA, the filesystem remains mounted until either explicitly unmounted or until the workstation is rebooted or shutdown.

Note: Only an authorized user or the superuser can perform this command successfully.

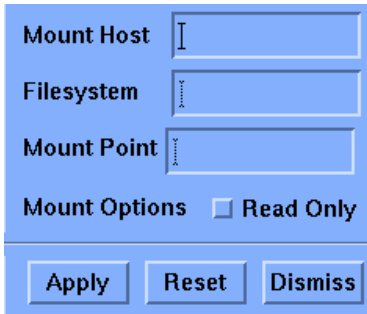
For more information or for the command syntax, refer to the UNIX man page for *mount* or to the “Sun System Administration Manual.”

Understanding the Mount A Filesystem Window

When you select **Mount A Filesystem**, the Mount A Filesystem window appears (see Figure 6-3). This window contains the following text field boxes:

- **Mount Host** — lets you enter the name of the remote host (if any).
- **Filesystem** — lets you enter the name of the filesystem to be mounted.
- **Mount Point** — lets you enter the location where the filesystem will be mounted.

There is also a **Mount Options Read-Only** toggle control, which prevents modifications to the filesystem.



The image shows a window titled "Mount A Filesystem" with a light blue background. It contains three text input fields stacked vertically, each with a label to its left: "Mount Host", "Filesystem", and "Mount Point". Below these fields is a "Mount Options" section with a checkbox labeled "Read Only". At the bottom of the window are three buttons: "Apply", "Reset", and "Dismiss".

Figure 6-3. Mount A Filesystem Window

The following three buttons appear at the bottom of the window:

- **Apply** — mounts the selected filesystem.

- **Reset** — returns the window to the original settings or to the settings that were in effect the last time you selected **Apply**.
- **Dismiss** — closes the Mount A Filesystem window.

Mounting a Filesystem

To mount a filesystem, use the following procedure:

1. Select **Mount A Filesystem** from the **System** menu. The Mount A Filesystem window appears (see Figure 6-3).
2. If the filesystem is to be mounted remotely, move to the **Mount Host** text field box and enter the name of the remote host.
3. If the filesystem is not in */etc/vfstab*, move to the **Filesystem** text field box and enter the name of the filesystem you want mounted.
4. Move to the **Mount Host** text field box and enter the directory from where the filesystem will be mounted.
5. To prevent the filesystem from being modified, enable **Read Only**.
6. Select **Apply** to start the mount operation.
7. When the procedure is successfully completed, a message popup window appears. Select **Dismiss** to remove the window.

Unmount A Filesystem Option

Using **Unmount A Filesystem** from the **System** menu, a superuser or an authorized user can unmount a mounted filesystem. For more information, refer to the UNIX man page for *umount* or the “Sun System Administration Manual.”

Understanding the Unmount A Filesystem Window

When you select **Unmount A Filesystem**, the Unmount A Filesystem window appears (see Figure 6-4).

The **Mounted Filesystems** scrolling list shows all filesystems that are currently mounted on this workstation.

The **Filesystem to Unmount** text field box lets you specify the filesystems you want to unmount.

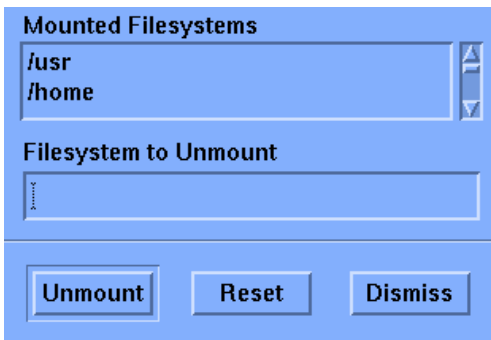


Figure 6-4. Unmount A Filesystem Window

The Unmount A Filesystem window also contains three buttons:

- **Unmount** — unmounts selected filesystems.

- **Reset** — returns the window to the original settings.
- **Dismiss** — closes the Unmount A Filesystem window.

Unmounting a Filesystem

To unmount a filesystem, use the following procedure:

1. Select **Unmount A Filesystem** from the **System** menu. The Unmount A Filesystem window appears (see Figure 6-4).
2. From the **Mounted Filesystems** scrolling list, double-click on the filesystem you want to unmount or select a filesystem followed by **Unmount**. If you do not see the filesystem you desire, use the scroll arrows at the right side to scroll through the list.

OR

Enter the name of the network configuration in the **Filesystem to Unmount** text field box and select **Unmount**.

3. When the filesystem is successfully removed, a popup message window appears. Select **Dismiss** to remove the window.

Export A Filesystem Option

Using **Export A Filesystem** from the **System** menu, a superuser or an authorized user can export a filesystem for access by another system on the network.

☞ For more information, or for the command syntax, refer to the UNIX man page for *exports*, *exportfs* (or *share* in Solaris 2.x), or to the “Sun Administration Manual.”

Understanding the Exports Window

When you select **Export A Filesystem**, the Exports window appears (see Figure 6-5). At the top of the window is a scrolling list of currently exported filesystems. There is also a **Read Only** toggle button that allows you to export a filesystem as a read-only filesystem, preventing any modifications to it.

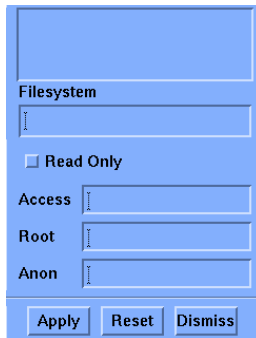


Figure 6-5. Exports Window

The following three fields appear at the bottom of the window:

- **Access** — lets you specify any access restrictions.

- **Root** — lets you provide root access to root users from a specified hostname.
- **Anon** — lets you specify a user ID for an unknown user.

The following three buttons appear at the bottom of the window:

- **Apply** — exports the filesystem according to the parameters entered in this window.
- **Reset** — deselects any highlighted item and erases any text entered in the **Filesystem** text field box.
- **Dismiss** — closes the Exports window.

Exporting a Filesystem

To export a filesystem, use the following procedure:

1. Select **Export A Filesystem** from the **System** menu. The Exports window appears (see Figure 6-5).
2. Select a filesystem from the scrolling list at the top of the window.

OR

Enter the name of the filesystem in the **Filesystem** text field box.


3. If you want to prevent modifications from being made to the filesystem, enable the **Read Only** option.

4. To provide mount access to a client, specify the client under **Access**. A client can be either a hostname or a netgroup that resides in the */etc/hosts* or */etc/netgroup*'s files, or hosts or netgroup's NIS maps.
5. To provide root access to root users from a specified hostname, specify the hostname under **Root**.
6. If the filesystem has been requested by an unknown user, you can specify a user ID under **Anon**.
7. Select **Apply**. The VWA software attempts to export the filesystem.
8. If the filesystem is successfully exported, select **Dismiss** to remove the Exports window.

Note: If the procedure fails, an error message popup window appears, providing information on the error status.

Unexport a Filesystem Option

Using **Unexport A Filesystem** from the **System** menu, a superuser or an authorized user can unexport/unshare a filesystem that has been made available for access by other systems. This option unexports/unshares filesystems that have been exported manually or through VWA.

 For more information, refer to the UNIX man page for *exports* (*unshare*) or the "Sun Administration Manual."

Understanding the Unexport A Filesystem Window

When you select **Unexport A Filesystem**, the Unexport A Filesystem window appears (see Figure 6-6).

At the top of the window is a scrolling list of currently exported filesystems. Below this list is a **Filesystem to Unexport** text field box.

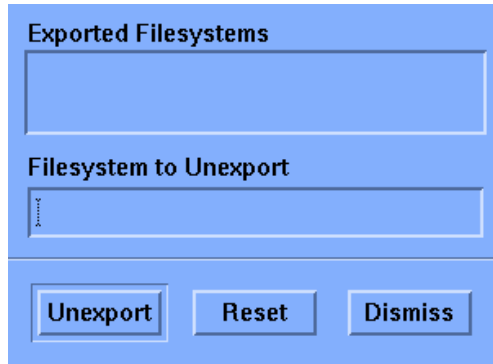


Figure 6-6. Unexport A Filesystem Window

The following three buttons appear at the bottom of the window:

- **Unexport** — unexports the filesystem.
- **Reset** — deselects any highlighted item and erases any text entered in the **Filesystem to Unexport** text field box.
- **Dismiss** — closes the Unexport A Filesystem window.

Unexporting a Filesystem

To unexport a filesystem, use the following procedure:

1. Select **Unexport A Filesystem** from the **System** menu. The Unexport A Filesystem window appears (see Figure 6-6).

2. Select a filesystem from the scrolling list at the top of the window.


OR

Enter the name of the filesystem in the **Filesystem to Unexport** text field box.

3. Select **Unexport**. The VWA software unexports the filesystem.
4. Select **Dismiss** to remove the Unexport A Filesystem window.

Reboot The System Option

Using **Reboot The System** from the **System** menu, a superuser or an authorized user can reboot the workstation.

 For more information, refer to the UNIX man page for *reboot*.

To reboot the workstation, use the following procedure:

1. Select **Reboot The System** from the **System** menu. A window asks if you are sure you want to reboot the system (see Figure 6-7).

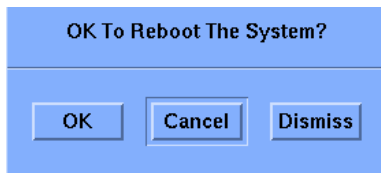


Figure 6-7. Reboot the System Window

2. Select **OK** to reboot the workstation.

OR

Select **Cancel** or **Dismiss** to not reboot the workstation.

ShutDown The System Option

Using **ShutDown The System** from the **System** menu, a superuser or an authorized user can shut down the workstation.

☞ For more information, refer to the UNIX man page for *halt*.

To shut down the workstation, use the following procedure:

1. Select **ShutDown The System** from the **System** menu. A window asks if you are sure you want to shut down the system (see Figure 6-8).

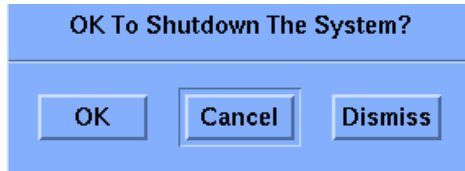


Figure 6-8. Shutdown the System Window

2. Select **OK** to shut down the workstation.

OR

Select **Cancel** or **Dismiss** to not shut down the workstation.

Notes