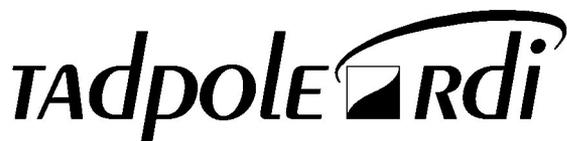


VWA Software

Installation Guide



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Notes

1

Introduction

This Installation Guide describes how to install the VWA software and enhancements.

The following conventions are used in this Guide:

- Procedures are numbered.
-  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 trackpad or an external mouse.
- “Select” means to press the left button on the trackpad or mouse.
- “Double-click” means to press the left button on the trackpad or mouse twice in succession.
- “Pointer” refers to the cursor that appears on the screen.

Supplemental Documentation

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

- “UltraBookIII User Guide”
- “Solaris Software Installation Guide”
- “VWA Control Panel User Guide”
- “AutoNET Reference Guide”
- “FAX/MODEM User Guide”

2

Installation Instructions

This chapter describes how to install the VWA software and enhancements from the VWA CD. Topics include:

- System requirements — see the next section.
- Installing the VWA software on Solaris systems — see page 2-2.



All systems that Tadpole-RDI ships with the operating system preloaded will also have VWA loaded. Reload VWA only if you reinstall the operating system.

System Requirements

Before you install the VWA software, be sure you have the following minimum system requirements:

- A UltraBookIII workstation with OpenWindows/CDE and Solaris installed and at least 40 MB of available hard disk space
- A CD-ROM drive connected to your workstation before the system is booted, to ensure that the CD is auto-mounted properly.

Installing VWA Software on Solaris Systems

The following sections describe how to install the VWA components on workstations that have Solaris.

Logging In and Mounting the VWA CD

The following procedure describes how to log in and mount the VWA CD.

The VWA CD can be mounted locally, using a CD-ROM drive directly connected to the workstation. Alternatively, the VWA CD can be mounted using a CD-ROM drive connected to a remote Solaris system on the network (refer to page 2-4).

Mounting the VWA CD Locally

To mount the VWA CD from a CD-ROM drive directly attached to the workstation:

1. With system power off, attach the CD-ROM drive to the appropriate connector on your workstation. Power the CD-ROM on, then power on the UltraBookIII. As soon as the banner appears and the initial memory check has started, press the STOP key (top row) and the letter "A" simultaneously.
2. At the **OK** prompt, type the following line and press RETURN: **boot -r**
3. Log in to your workstation as "root".
4. Insert the VWA CD into the CD-ROM drive. When the light on the CD stops flashing, it means the CD has been auto-mounted.
5. Proceed to "Starting the Installation Program" on page 2-5.

6. The CD is auto-mounted, so you do not need to enter the mount command. The default mount point for these platforms is `/cdrom/vwaX_X`, where X.X is the VWA version number.

However, if you connected the CD-ROM drive after the system had been booted, you must reconfigure the system to recognize the CD-ROM drive, then mount the drive manually by typing the following lines and pressing RETURN after typing each one:

```
/usr/sbin/drvcfg
```

```
/usr/sbin/disks
```

```
/usr/sbin/mount -F hsfs -r /dev/dsk/c0t6d0s0 /mnt
```

If you encounter problems mounting the CD-ROM manually, perform steps 7, 8, and 9. Otherwise, skip to step 10.

7. Type the following line and press RETURN:

```
ps -ef | grep vold
```

You will receive a message that contains a Process ID (PID) number.

8. Type the following line and press RETURN:

```
kill -9 pid
```

In this line, *pid* is the PID number returned after performing step 8.

9. Return to Step 6.
10. Proceed to “Starting the Installation Program” on page 2–5.

Mounting the VWA CD Over the Network

The following procedure describes how to mount the VWA CD using a CD-ROM drive attached to a remote Solaris system on the network.

1. Log in to the remote system as “root”.
2. Mount the drive manually by typing the following lines and pressing RETURN after typing each one:

```
/usr/sbin/drvconfig
```

```
/usr/sbin/disks
```

```
/usr/sbin/mount -F hsfs -r /dev/dsk/c0t6d0s0 /mnt
```



In this procedure, it is assumed that the mount point of the VWA CD is `/cdrom/vwaX_X`. If you mount the VWA CD on a different mount point, replace all references to `/cdrom/vwaX_X` with the appropriate mount point.

3. Export the filesystem on which the VWA CD was mounted by typing the following line and pressing RETURN:

```
share -F nfs -o r -d"VWAX_XCD" /cdrom/vwaX_X
```

4. Use the `ps` command to start `nsfd` and `mountd`, then `grep` for `nsfd` and `mountd`:

```
ps -ef | egrep 'nsfd|mountd'
```

5. If `nsfd` and `mountd` are not running, execute the following programs:

```
/usr/lib/nfs/nsfd -a -16
```

```
/usr/lib/nfs/mountd
```

6. Log off the remote system and log in to the local workstation as “root”.
7. Mount the remote filesystem that contains the VWA images:

```
mount -F nfs remote_system_name:/cdrom/vwaX_X /mnt
```

8. Proceed to “Starting the Installation Program,” next.

Starting the Installation Program

To start the installation program:

1. Go to the appropriate software version you are running.
2. Execute the *pkgadd* command to start the installation program by typing the following line and pressing RETURN:

```
/usr/sbin/pkgadd -d
```

The following packages are available:

```
1      RDIflash  Tadpole-RDI Unix OBP Flash Update
                Utility (sparc) x
2      RDImonsw  Tadpole-RDI Display Resolution Control
                for ATI and Creator Graphics M64
                Graphics Controller (Sun4u) 1.0
3      RDIolvwm  Tadpole-RDI OLVWM for Solaris 2.4 & 2.5
                (sparc) x
4      RDIpcma   Tadpole-RDI CL-PD6832 PCMCIA
                Adapter Driver (Sun4u) x
5      RDIuts    Tadpole-RDI UltraBookIII Utilities for
                Solaris x (sparc) x
6      RDIvwa    Tadpole-RDI Virtual Workgroup
                Architecture for Solaris x (sun4u) x
7      RDIxcde   Tadpole-RDI CDE Front Panel Menu
                (sparc) 1.01
```

Select package(s) you wish to process (or 'all' to process all packages). (default: all) [?,??,q]

3. If you have an UltraBookIII, type the following numbers to install the corresponding packages: **1,5,2,6,7,4,3**



Please refer to the “README” files on the VWA CD for the latest information.



Package 3 is not supported if you set ATI-PGX24 to true. Please refer to the release notes for more information on these packages.

4. Press RETURN to install the selected packages.

If you used the *pkgadd* command to start the installation, you will be prompted with a number of generic questions that will allow you to fine-tune your installation. For example, you can specify directories instead of accepting the default selections, or cancel the installation procedure.

Table 2-1 provides a guide to answering the pkgadd questions.

Table 2-1. Answering pkgadd Questions

When Asked...	Reply by...
<p>Where to install the “package name” [/opt][?,q]</p>	<p>Pressing RETURN to use the default value, or specifying a directory pathname of your choice (for example: <i>/usr/local/VWA</i>)</p>
<p>The following files are already installed on the system and are being used by the system:</p> <p style="text-align: center;"><List of files></p> <p>Do you want to install these conflicting files? [y,n,?]y</p>	<p>Typing Y to continue.</p>
<p>##Verifying disk space requirements</p> <p>Do you want to continue with the installation of this package [y,n,?]y</p>	<p>Typing Y to continue and disregard the WARNING message. However, check the “avail” field on the output of the <i>df</i> command to make sure your / filesystem is not empty. (This message may mean there is no available disk space in the / filesystem.)</p>

Table 2-1. Answering pkgadd Questions

When Asked...	Reply by...
The following files are being installed with the setuid and/or setgid permissions: * /opt/Application/Filename <setuid root> * - overwriting a file which is also setuid/setgid. Do you want to install these as setuid/setgid files [y, n, ?, q]	Typing Y to continue.
After installing all of the packages, the install screen appears again. How do you get out of it in order to reboot?	Type Q to quit.
This package contains scripts that will execute with super-user permission during the process of installing this package. Do you want to continue with the installation of this package [y,n,?]	Typing Y to continue.

5. After installing all the VWA packages type **reboot** and press RETURN to reboot the workstation.

This completes the VWA installation.



Package 3 is not supported if you set ATI-PGX24 to true. Please refer to the release notes for more information on these packages.

To use **olwmm**, after installing it, set the environment variable OW_WINDOW_MANAGER. For csh users, for example, type the following line and press RETURN:

```
setenv OW_WINDOW_MANAGER /usr/openwin/bin/olwmm
```

For *sh* users, type the following lines in your .profile file:

```
OW_WINDOW_MANAGER=/usr/openwin/bin/olwmm
```

```
export OW_WINDOW_MANAGER
```