



GNOME 2.0 Desktop for the Solaris Operating Environment Troubleshooting Guide

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Preface

The *GNOME 2.0 Desktop for the Solaris Operating Environment Troubleshooting Guide* describes known problems with the GNOME 2.0 Desktop for the Solaris™ 8 operating environment and the Solaris 9 operating environment. The guide provides workarounds for many of the known problems.

Who Should Use This Book

Different chapters in this manual provide information for the following users:

- Accessibility engineers and users with accessibility needs
- Developers
- End users
- Localization teams
- System Administrators

How This Book Is Organized

This guide is structured in the following way:

- Chapter 1 describes problems that developers might encounter when building the desktop environment.
- Chapter 2 discusses problems and workarounds that system administrators and users might encounter when installing the desktop environment.
- Chapter 3 discusses problems that system administrators and users might encounter when they start up the desktop environment for the first time.

- Chapter 4 provides information for users about how to deal with window and session management problems in the desktop environment.
- Chapter 5 provides information about general problems that users might have with the desktop environment.
- Chapter 6 provides information about problems that users might have with GNOME applications.
- Chapter 7 provides information about hardware problems that might affect your desktop environment.
- Chapter 8 provides some tips for users about improving the performance of the desktop environment.
- Chapter 9 provides information about how to deal with accessibility-related problems in the desktop environment.
- Chapter 10 provides information for localization teams about how to deal with localization-related problems in the desktop environment.

Related Books

The following manuals are related to this guide.

- *GNOME 2.0 Desktop for the Solaris Operating Environment Accessibility Guide*
- *GNOME 2.0 Desktop for the Solaris Operating Environment Installation Guide*
- *GNOME 2.0 Desktop for the Solaris Operating Environment Release Notes*
- *GNOME 2.0 Desktop for the Solaris Operating Environment System Administration Guide*
- *GNOME 2.0 Desktop for the Solaris Operating Environment User Guide*

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Typographic Conventions

The following table describes the typographic changes used in this book.

TABLE P-1 Typographic Conventions

Typeface or Symbol	Meaning	Example
AaBbCc123	The names of commands, files, and directories; on-screen computer output	Edit your <code>.login</code> file. Use <code>ls -a</code> to list all files. <code>machine_name%</code> you have mail.
AaBbCc123	What you type, contrasted with on-screen computer output	<code>machine_name%</code> su Password:
<i>AaBbCc123</i>	Command-line placeholder: replace with a real name or value	To delete a file, type rm <i>filename</i> .
<i>AaBbCc123</i>	Book titles, new words, or terms, or words to be emphasized.	Read Chapter 6 in <i>User's Guide</i> . These are called <i>class</i> options. You must be <i>root</i> to do this.

Shell Prompts in Command Examples

The following table shows the default system prompt and superuser prompt for the C shell, Bourne shell, and Korn shell.

TABLE P-2 Shell Prompts

Shell	Prompt
C shell prompt	machine_name%
C shell superuser prompt	machine_name#
Bourne shell and Korn shell prompt	\$
Bourne shell and Korn shell superuser prompt	#

Build Problems

This section provides information about problems that developers might encounter when building the desktop environment.

- “1.1 Compilation Fails for glib Programs” on page 11

1.1 Compilation Fails for glib Programs

Problem	Bug ID 4808098. I am using the cc 5.5 compiler to compile glib programs. The compilation fails.
Solution	The cc 5.5 compiler does not include C99 features, which are required to compile programs using glib. You must use a compiler that has C99 features enabled.

Installation Problems

This section provides tips about dealing with problems that arise when you install the GNOME 2.0 Desktop on the Solaris™ 8 operating environment or Solaris 9 operating environment.

- “2.1 Installation Log” on page 13
- “2.2 Installation Failed Error Message” on page 14
- “2.3 Uninstalling the GNOME 1.4 Desktop” on page 14
- “2.4 Uninstalling the GNOME 2.0 Desktop” on page 14
- “2.5 Installing the GNOME Desktop Without the Installer” on page 15
- “2.6 Installation Permission Problem” on page 15
- “2.7 ScrollKeeper Fails After Installation” on page 15

2.1 Installation Log

Problem	Where do I look for installation errors?
Solution	The most recent GNOME 2.0 Desktop installation log is in the following location: <code>/var/sadm/install/logs</code>

2.2 Installation Failed Error Message

Problem	The installation fails with the following error message: <code>pkgadd: ERROR: cpath(): unable to start</code>
Solution	You are either using the wrong version of tar or the tar file is corrupt. You must use Solaris tar or GNU tar version 1.13 or greater. If the tar file is corrupt, you must download the tar file again.

2.3 Uninstalling the GNOME 1.4 Desktop

Problem	I already have the GNOME 1.4 Desktop on system. How do I uninstall the GNOME 1.4 Desktop?
Solution	Perform the following steps: <ol style="list-style-type: none">1. Log into CDE as root.2. Open a terminal window.3. Type <code>cd /var/sadm/prod</code>4. Type <code>java uninstall_gnome_1_4</code> <p>If you have already installed the GNOME 2.0 Desktop, you can remove the GNOME 1.4 Desktop by logging in as root and running the following command: <code>/usr/sbin/remove-gnome -version 1.4</code></p>

2.4 Uninstalling the GNOME 2.0 Desktop

Problem	How do I uninstall the GNOME 2.0 Desktop?
---------	---

Solution Perform the following steps:

1. Log in as root.
2. Run the following command: `/usr/sbin/remove-gnome`

2.5 Installing the GNOME Desktop Without the Installer

Problem How do I install the GNOME 2.0 Desktop without the GUI installer?

Solution Run the alternative text-based install script. To do this you must first unpack the tar file to create a GNOME directory in your current directory. Then run the script which corresponds to your system architecture:

SPARC Architecture Edition: `./GNOME/sparc/pkgs/install`

x86: Architecture Edition: `./GNOME/i386/pkgs/install`

2.6 Installation Permission Problem

Problem I have the correct version of tar and gunzip, but when I unzip and extract the tar file, files and directories are missing. This causes the installation to fail.

Solution You must log in as root before using gunzip and tar to extract the packages.

2.7 ScrollKeeper Fails After Installation

Problem ScrollKeeper fails after Jumpstarts, upgrades and live upgrades.

Solution

ScrollKeeper fails due to software dependencies not being available. The workaround is as follows:

For all installations, upgrades and live upgrades that install directly into the root filesystem, the ScrollKeeper database is propagated during the installation, using a postinstall script provided with each package as required.

For all other installations that do not install into the root filesystem directory, the postinstall script does not propagate the ScrollKeeper database.

You must propagate the ScrollKeeper database manually when you log in for the first time. You need root access to perform this action. Run the following commands:

1. `su password`
2. `/usr/bin/scrollkeeper-rebuilddb`

In some cases, the location of `/usr/bin/scrollkeeper-rebuilddb` might be similar to the following:
`{INSTALL_ROOT}/usr/bin/scrollkeeper-rebuilddb`

Startup Problems

This section describes issues that might occur when you start up the GNOME 2.0 Desktop.

- “3.1 GNOME Desktop Menu Item Missing From Login Screen” on page 17
- “3.2 Startup Error Messages” on page 18
- “3.3 General Startup Problems” on page 18

3.1 GNOME Desktop Menu Item Missing From Login Screen

Problem	A menu item for the GNOME 2.0 Desktop does not appear in the login screen.
Solution	GNOME dtlogin resource files are currently only installed for the C locale. To make the GNOME login option appear in other locales, you must copy this resource file to the correct directory for your locale. Use the following command to copy the dtlogin file: <pre>cp /usr/dt/config/C/Xresources.d/Xresources.Sun-gnome-2.0* /usr/dt/config/{your locale}/Xresources.d</pre> Future releases will include localized versions of this file.

3.2 Startup Error Messages

Problem	Where do I look for error messages if startup fails?
Solution	<p>The following files contain messages that might be helpful in diagnosing incorrect permissions, missing files and other problems.</p> <pre>~/.dt/startlog ~/.dt/startlog.old ~/.dt/startlog.older</pre> <p>To enable logging of more detailed information, edit <code>~/.dtprofile</code> and remove the <code>dtstart_sessionlogfile=/dev/null</code> line.</p> <p>The session logs are placed in the following location:</p> <pre>~/.dt/sessionlogs/*</pre> <p>An alternative solution is to run <code>gnome-session</code> from a failsafe session, and read any error messages that appear.</p>

3.3 General Startup Problems

Problem	<p>How do I fix general startup problems such as the following:</p> <ul style="list-style-type: none">■ The login process never gets past the black screen.■ Panels do not respond to my input.■ Icons do not display correctly.■ Panels do not appear.■ Error popups referring to missing files in <code>/opt/gnome-2.0/share</code> appear.■ The GNOME Menu icon appears in place of the correct icon.■ The desktop background image is an empty white space.
---------	---

Solution

Perform the following steps:

1. Run the following cleanup script: `/usr/bin/gnome-cleanup`
2. Remove your session files from `~/.dt/sessions/gnome`
3. Make sure you do not have anything in your `.xinitrc` file that conflicts with the GNOME 2.0 Desktop. If you are not sure, rename your `~/.xinitrc` file to `/.xinitrc.orig` and try to login again.
4. Make sure your `LD_LIBRARY_PATH` does not point to a directory which contains incompatible versions of the GNOME libraries. The GNOME 2.0 Desktop does not require `LD_LIBRARY_PATH` to be set at all. If you must define this for other applications, try adding `/usr/lib` and `/usr/sfw` to the beginning of your `LD_LIBRARY_PATH`.
5. Kill the `gconfd-2` process.
6. Run the following command: `bonobo-slay`
Try to log in again.

Window and Session Management Problems

This section provides information about how to deal with window and session management problems in the GNOME 2.0 Desktop.

- “4.1 Window Manager Crashes” on page 21
- “4.2 Logging Out Without a Panel” on page 21
- “4.3 Applications Do Not Restore Properly” on page 22
- “4.4 Unexpected Window Behavior” on page 22
- “4.5 Unexpected Swing Behavior” on page 23

4.1 Window Manager Crashes

Problem	The Metacity window manager crashes, and the frames disappear from all windows.
Solution	Session manager automatically restarts the window manager. If this does not happen, log out and then log back in.

4.2 Logging Out Without a Panel

Problem	How do I log out if all my panels have disappeared?
---------	---

- Solution
1. Right-click on the desktop background to open the desktop background menu.
 2. Select the menu item New Terminal.
 3. Enter the following command in the new terminal:
`gnome-session-save --kill`
 4. If you still cannot log out, then run the following command:
`pkill gnome-session`

4.3 Applications Do Not Restore Properly

- Problem
- When I logged out, I selected **Save current setup**, but some applications did not restore properly the next time I logged in.
- Solution
- The following applications have the following known problems:
- Terminal does not restore.
 - Gedit restores to the upper left corner of the screen.
- There are plans to fix these problems in a future release.

4.4 Unexpected Window Behavior

- Problem
- Some of my application windows appear above all desktop environment windows and do not restore properly or appear in the GNOME window list.
- Solution
- By default, many applications which are based on MainSoft libraries ignore the window manager and attempt to manage their own windows. Rational Rose and XML Professional Publisher are known to have this problem. To tell MainSoft-based applications to behave correctly, you must set the `MWWM` environment variable as follows:
- ```
MWWM=allwm
```

---

## 4.5 Unexpected Swing Behavior

|          |                                                                                                                                                                                                                           |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Problem  | Swing components prior to those included in Java™ 2 Platform Standard Edition V1.4 do not position, resize, or refresh consistently                                                                                       |
| Solution | Perform the following steps: <ol style="list-style-type: none"><li>1. Upgrade to Java 2 Platform Standard Edition V1.4 or later.</li><li>2. Ensure that your application is configured to use the Java 1.4 JVM.</li></ol> |





## General GNOME Desktop Problems

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This section provides information about how to deal with general problems in the GNOME 2.0 Desktop.

- “5.1 Finding Out More” on page 25
- “5.2 Which Version of the GNOME Desktop?” on page 26
- “5.3 Displaying Developer Documentation in Netscape 4.x” on page 26
- “5.4 General Error Messages” on page 27
- “5.5 No Nautilus Viewer for File Type” on page 27
- “5.6 Nautilus Crashes Or Freezes” on page 28
- “5.7 Nautilus Slows the System” on page 28
- “5.8 TIF Files Crash Panels” on page 28
- “5.9 Finding Out About GConf” on page 29
- “5.10 Conflicts With Screensavers” on page 29
- “5.11 Selected Screen Does Not Display” on page 30
- “5.12 Solaris Removable Media Manager” on page 30

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### 5.1 Finding Out More

Problem

I am having a problem with the GNOME 2.0 Desktop. Where can I find more information?

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solution | <p>You can find more information about the GNOME Desktop in the following places:</p> <ul style="list-style-type: none"><li>■ Open the Applications menu, then select Help.</li><li>■ Browse the <i>GNOME 2.0 Desktop for the Solaris Operating Environment User Guide</i>. You can find the most recent version of this manual on the following website: <a href="http://docs.sun.com">http://docs.sun.com</a></li><li>■ The following websites also have useful information about the GNOME project:<ul style="list-style-type: none"><li>■ <a href="http://www.gnome.org">http://www.gnome.org</a></li><li>■ <a href="http://mail.gnome.org">http://mail.gnome.org</a></li><li>■ <a href="http://bugzilla.gnome.org">http://bugzilla.gnome.org</a></li></ul></li></ul> |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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## 5.2 Which Version of the GNOME Desktop?

|          |                                                              |
|----------|--------------------------------------------------------------|
| Problem  | How do I find which version of the GNOME Desktop is running? |
| Solution | Right click on a panel and select About GNOME.               |

---

## 5.3 Displaying Developer Documentation in Netscape 4.x

|          |                                                                                                                                                                                                                                                                                                                                                                                  |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Problem  | Developer documentation located in <code>/usr/share/gnome/develop-doc</code> does not display correctly in Netscape 4.x                                                                                                                                                                                                                                                          |
| Solution | <p>gtk-doc makes use of cascading stylesheets (CSS) which are not completely supported in Netscape 4.x. The following browsers support CSS fully:</p> <ul style="list-style-type: none"><li>■ Netscape 6.x, and higher versions of Netscape</li><li>■ Opera</li><li>■ Galeon</li><li>■ Mozilla</li><li>■ Internet Explorer 5, and higher versions of Internet Explorer</li></ul> |

---

## 5.4 General Error Messages

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Problem  | Where do I look for error messages when an application crashes or fails to run correctly?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Solution | <p>Look in the following files:</p> <ul style="list-style-type: none"><li>■ <code>~/.dt/errorlog</code></li><li>■ <code>~/.dt/errorlog.old</code></li><li>■ <code>~/.dt/errorlog.older</code></li><li>■ <code>~/.dt/sessionlogs</code></li></ul> <p>You can also try running the application from a command line to see if any error message appear.</p> <p>You can capture a core file from a GNOME-compliant application by running the application with the <code>--disable-crash-dialog</code> option or by setting the <code>GNOME_DISABLE_CRASH_DIALOG</code> environment variable to 1 before running the application.</p> |

---

## 5.5 No Nautilus Viewer for File Type

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Problem  | When I double-click on some file types in Nautilus, a dialog indicates that Nautilus has no installed viewer capable of displaying the file.                                                                                                                                                                                                                                                                                             |
| Solution | <p>Perform the following steps:</p> <ol style="list-style-type: none"><li>1. Open the Applications menu.</li><li>2. Choose Desktop Preferences -&gt; Advanced -&gt; File Types and Programs.</li><li>3. Make sure the MIME type or extension for the file is associated with an application in the <b>File Types and Programs</b> dialog.</li><li>4. Make sure that the associated application is in your <code>\$PATH</code>.</li></ol> |

---

## 5.6 Nautilus Crashes Or Freezes

|          |                                                                                                                                                                                                                                                                  |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Problem  | Nautilus crashes or freezes when an open browser window points to a bad NFS mount.                                                                                                                                                                               |
| Solution | Run the following command: <code>kill nautilus</code><br><br>When Nautilus restarts, the bad NFS directory is not available. If you saved a session while Nautilus was pointing to a bad mount, remove your session files in <code>~/.dt/sessions/gnome</code> . |

---

## 5.7 Nautilus Slows the System

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Problem  | Nautilus slows my system or freezes when searching for <b>Trash</b> on an NFS mounted volume.                                                                                                                                                                                                                                                                                                                                                                           |
| Solution | Perform the following actions to prevent Nautilus from searching for trash on a NFS file systems: <ol style="list-style-type: none"><li>1. Edit the following file:<br/><code>/usr/share/gnome/nautilus/filesystem-attributes.xml</code></li><li>2. Set the following entry:<br/><code>filesystem name="nfs" _default_volume_name="NFS Network Volume" trash="no"</code></li><li>3. Run the following command to restart Nautilus: <code>kill nautilus</code></li></ol> |

---

## 5.8 TIF Files Crash Panels

|         |                                                                                           |
|---------|-------------------------------------------------------------------------------------------|
| Problem | My panels crash when I select a TIF image file in the panel properties background dialog. |
|---------|-------------------------------------------------------------------------------------------|

Solution To resolve this problem you must ensure that `/usr/sfw/lib` precedes `/usr/openwin/lib` in your `LD_LIBRARY_PATH`.

---

## 5.9 Finding Out About GConf

Problem How do I find out about the GNOME 2.0 Configuration System (GConf)?

Solution You can find more information about gconf at the following website: <http://www.gnome.org/projects/gconf>

The *GNOME 2.0 Desktop for the Solaris Operating Environment System Administration Guide* also has a chapter describing gconf functionality.

---

## 5.10 Conflicts With Screensavers

Problem My screen lock preferences contain the following screensaver displays that can conflict with some frame buffer drivers:

- Insecure screen distortion screensaver displays
- Screensaver displays such as `julia` and `penrose`

These screensaver displays occasionally run when I select random screensaver.

Solution You have an old `~/ .xscreensaver` file. Perform the following steps:

1. Remove the `~/ .xscreensaver` file.
2. Log out, then log in.

You can deselect screensaver displays that you do not need in the **Display Modes** tab of the screensaver properties dialog.

---

## 5.11 Selected Screen Does Not Display

|          |                                                                                                                                                                                                                                               |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Problem  | I can configure the screensaver displays in the configuration panel, but when I preview the screensaver display, or specify a blank screen, my chosen screensaver display does not appear.                                                    |
| Solution | XScreenSaver only enables graphical screensaver displays on machines that are running DPMS (Display Power Management System). You can enable DPMS with the following command:<br><code>xset +dpms</code><br>Sun Ray™ clients do not run DPMS. |

---

## 5.12 Solaris Removable Media Manager

|          |                                                                                                                                                                                                                                                                                                            |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Problem  | Which operating environment do I need to install the Solaris Removable Media Manager?                                                                                                                                                                                                                      |
| Solution | Nautilus provides functionality similar to the Solaris Removable Media Manager. To avail of the Removable Media feature in the GNOME Desktop, the version of the operating environment must be Solaris 8 Update 1 or higher. Do not attempt to install this feature by installing a set of ad hoc patches. |

---

## Problems With Specific Applications

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This section provides information about problems and associated workarounds for specific applications.

- “6.1 Dynamically-Set Title Does Not Work” on page 31
- “6.2 ScrollKeeper Options Not Fully Documented” on page 33

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### 6.1 Dynamically-Set Title Does Not Work

Problem

Bug ID 4855527, Terminal.

In the **Editing profile** window, **Title and Command** tab, the menu options for the drop-down menu **Dynamically-set title** do not work. Terminal uses the following bash shell environment variable to set the dynamically-set title and the shell prompt:

```
PROMPT_COMMAND=$'echo -ne
"\\033]0;${USER}@${HOSTNAME}: ${PWD}\\007"
PS1=$' [\\u@\\h \\W] \\$ ' USER='id -un'
```

On Linux `/etc/bashrc` sets the required environment variables, but does not set these variables for the Solaris operating environment. Hence, the dynamically-set title and the shell prompt do not work in the Solaris operating environment.

## Solution

As a workaround you can set the required environment variable by executing scripts for the various shells.

bash shell:

Set the following in `bashrc`:

```
case $TERM in
 xterm*)
 PS1="\[\033]0;\u@\h: \w\007\bash\ \$ "
 ;;
 *)
 PS1="bash\ \$ "
 ;;
esac
```

(or)

```
USER='/usr/xpg4/bin/id -un'
export USER
```

```
PROMPT_COMMAND='echo -ne "\033]0;${USER}@${HOSTNAME}: ${PWD}\007"'
```

ksh shell:

Add the following in the `~.profile` file:

```
mycd () {
 cd "${@}"; echo "\033]0;${USER}@${HOSTNAME}: ${PWD}\007\c"
}
alias cd=mycd
```

csh shell:

Set the following in `cshrc`:

```
switch ($TERM)
 case "xterm*":
 set host='hostname'
 alias cd 'cd \!*; echo -n "\^[]0;${user}@${host}:
${cwd}^Gcsh% "'
 breaksw
 default:
 set prompt='csh% '
 breaksw
endsw
```

The `'^['` and `'^G'` characters in the prompt string are single characters for ESC and BEL. You can enter these characters using `Ctrl+v+ESC` and `Ctrl+v+g`.



---

## 6.2 ScrollKeeper Options Not Fully Documented

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Problem  | <p>ScrollKeeper.</p> <p>In the <code>scrollkeeper-rebuilddb</code> man page, the <code>-o</code> and <code>-p</code> options are not fully documented.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Solution | <p>You do not need to use the <code>-o</code> and <code>-p</code> options to perform a standard setup of the ScrollKeeper database. These options are required only in the following situations:</p> <ul style="list-style-type: none"><li>■ The ScrollKeeper database must be installed in a location other than the standard location. For example, setting up diskless clients.<br/>Use the <code>-p path</code> option to specify the location of the ScrollKeeper database, where <i>path</i> is an empty directory. The <code>scrollkeeper-rebuilddb</code> command will not proceed if you specify a populated path for this option.</li><li>■ The OMF files must be read from a location other than the standard location. The standard location for OMF files is specified in the <code>/etc/scrollkeeper.conf</code> file.<br/>Use the <code>-o path</code> option to specify the location of the OMF files. Specify the complete pathname, for example, <code>/usr/share/omf</code>. If you specify a partial pathname, for example, <code>/usr/share</code>, the <code>scrollkeeper-rebuilddb</code> command will take a long time, produce many warnings, and may crash.</li></ul> <p>The following example shows how to use the <code>-o</code> and <code>-p</code> options to set up the ScrollKeeper database for diskless clients:</p> <pre># scrollkeeper-rebuilddb \<br/>-p /export/root/clone/Solaris_9/<br/>sun4u/var/gnome/lib/scrollkeeper \<br/>-o /export/exec/Solaris_9_sparc.all/<br/>usr/share/omf</pre> |



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## Hardware Problems

---

This section provides information about how to deal with hardware-related problems in the GNOME 2.0 Desktop.

- “7.1 Multihead Display” on page 35
- “7.2 Sound Events Do Not Work” on page 36
- “7.3 Configuring Your Mouse for x86 Systems” on page 36
- “7.4 Running the GNOME Desktop on a Sun Ray Server” on page 38
- “7.5 No Sound From Audio CD” on page 38

---

### 7.1 Multihead Display

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Problem  | My machine has more than one head. How do I display GNOME applications on the second head?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Solution | <p>The GNOME Desktop installation process can detect machines with more than one head. Multihead displays should start automatically. You can also manually bring up an application on an alternate head by setting your <code>\$DISPLAY</code> variable or launching the application with the <code>--display=:0.n</code> flag, where <code>n</code> is the display number.</p> <p>If you use two identical frame buffers set for the same video depth, you can also modify <code>/etc/dt/config/Xservers</code> or <code>/usr/dt/config/Xservers</code> to run XSun in Xinerama mode. The GNOME Desktop then treats both video heads as a single logical display.</p> |

---

## 7.2 Sound Events Do Not Work

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Problem  | Sound events do not work in Nautilus.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Solution | <p>Perform the following steps:</p> <ol style="list-style-type: none"><li>1. Open the Applications menu.</li><li>2. Choose Desktop Preferences -&gt; Sound.</li><li>3. Select the following options:<ul style="list-style-type: none"><li>■ <b>Enable sound server startup</b></li><li>■ <b>Sounds for events</b></li></ul></li><li>4. Hover the mouse pointer over file icons to listen to certain types of sound event in Nautilus.</li></ol> <p>All events are not yet enabled.</p> |

---

## 7.3 Configuring Your Mouse for x86 Systems

|         |                                                                                                                                        |
|---------|----------------------------------------------------------------------------------------------------------------------------------------|
| Problem | Neither a two-button mouse, nor a three-button mouse work correctly when the GNOME Desktop is running on the x86 architecture edition. |
|---------|----------------------------------------------------------------------------------------------------------------------------------------|

Solution

Many GNOME applications require a three-button mouse. You need to do the following:

- Three-button mouse: enable the third button.
- Two-button mouse: emulate a third button when you click on the two buttons simultaneously.

To enable a third mouse button, or emulate a three-button mouse, perform the following steps:

1. Choose Options -> Command Line Login from the login screen.
2. Press Return, then log in as root.
3. Type the following command: `kdmconfig`  
The `kdmconfig` command launches the Solaris Device Configuration Assistant, which displays the current system configurations. The program only accepts keyboard input. Use the keys shown in Table 7-1 to navigate through the menus.
4. From the main window, select **Change Pointing Device/Mouse**.
5. Press F2 to open the next screen.
6. Select the appropriate mouse type or emulation.
7. Press F2 to return to the main screen. The **Pointer Device** should have visibly changed.
8. Press F2 to display a test screen.
9. Click **Yes** if the screen display is correct.
10. Type the following command to quit the console session: `Exit`

The system should now be properly configured to use a three-button mouse.

**TABLE 7-1** Navigation Keys for the Solaris Device Configuration Assistant

| Key        | Function                          |
|------------|-----------------------------------|
| Down arrow | Moves the cursor down a menu.     |
| Up arrow   | Moves the cursor up a menu.       |
| F2         | Opens the next screen.            |
| F3         | Exits the program without saving. |
| Return     | Selects an option.                |

---

## 7.4 Running the GNOME Desktop on a Sun Ray Server

|          |                                                                                                                                                                                                                                                                     |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Problem  | How do I run the GNOME 2.0 Desktop on a Sun Ray thin client server?                                                                                                                                                                                                 |
| Solution | Perform the following steps: <ol style="list-style-type: none"><li>1. Install the GNOME Desktop in the normal way.</li><li>2. If the GNOME 2.0 option does not appear on the login screen of the Sun Ray client, choose Options -&gt; Reset Login Screen.</li></ol> |

---

## 7.5 No Sound From Audio CD

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Problem  | I do not hear any sound from my audio CD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Solution | Perform the following steps: <ol style="list-style-type: none"><li>1. Open the Applications menu.</li><li>2. Choose CDE Menu -&gt; Applications -&gt; Audio Control.</li><li>3. Select the <b>Playback</b> tab, then turn on one of the following devices that you want to listen to:<ul style="list-style-type: none"><li>■ Built-in Speaker</li><li>■ Headphone</li><li>■ Line Out</li></ul></li><li>4. Select the <b>Record</b> tab, then select <b>Internal CD for the Master Input</b>.</li><li>5. Adjust the monitor volume to a non-zero value.</li></ol> You can now listen to CDs with the CD Player application.<br><b>Note</b> – This procedure might not work on all Sun hardware and CD configurations. |

## Performance Enhancement

---

This section provides some tips on improving the performance of the GNOME 2.0 Desktop. You can find more detailed information about improving performance in the *GNOME 2.0 Desktop for the Solaris Operating Environment System Administration Guide*.

- “8.1 Adjust Nautilus Settings” on page 39
- “8.2 Adjust Background Settings” on page 40
- “8.3 Change Window Frame Theme” on page 40
- “8.4 Reduce Applets” on page 40
- “8.5 Transparent Terminals” on page 41
- “8.6 Enable Wireframe Window Moves” on page 41
- “8.7 Install mediaLib Libraries” on page 41
- “8.8 Improving CDE Application Performance” on page 42

---

### 8.1 Adjust Nautilus Settings

|        |                                                                                                                                                                                                                                                |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tip    | You can improve the performance of the GNOME Desktop by optimizing the settings of the Nautilus window manager.                                                                                                                                |
| Action | <ol style="list-style-type: none"><li>1. Open a Nautilus window.</li><li>2. Choose Edit -&gt; Preferences.</li><li>3. Select <b>Performance</b>.</li><li>4. Make sure all options are set to <b>Local File Only</b> or <b>Never</b>.</li></ol> |

---

## 8.2 Adjust Background Settings

- Tip** If you run the GNOME Desktop remotely over a slow network, you can adjust the desktop background settings to improve performance.
- Action**
1. Open the Applications menu.
  2. Choose Desktop Preferences -> Background.
  3. Click on the **No Picture** button.
  4. Select **Solid color** in the **Background Style** drop-down list.

---

## 8.3 Change Window Frame Theme

- Tip** You can change your window frame theme to a more basic selection to improve performance.
- Action**
1. Open the Applications menu.
  2. Choose Desktop Preferences -> Theme.
  3. Click the **Window Frames** tab.
  4. Select a basic theme, for example Atlanta.

---

## 8.4 Reduce Applets

- Tip** Reducing the number of applets in your panels can improve performance.
- Action** Remove applets from your panels that you are not using.



---

## 8.5 Transparent Terminals

- Tip** Using terminals with transparent backgrounds can affect the performance of the GNOME Desktop.
- Action** If your terminals have transparent backgrounds, then perform the following actions in a terminal:
1. Open the Edit menu.
  2. Select Profiles.
  3. Open the **Effects** tab.
  4. Select the **None (use solid color)** option.

---

## 8.6 Enable Wireframe Window Moves

- Tip** You can improve performance by enabling windows to move in wireframe mode.
- Action** Run the following command:
- ```
gconftool-2 -s  
/apps/metacity/sun_extensions/wireframe_move_resize  
-t bool true
```

8.7 Install mediaLib Libraries

- Tip** The GNOME 2.0 Desktop includes support for the mediaLib™ libraries. Installing these libraries can noticeably improve the performance of the GNOME Desktop.
- Action** See the mediaLib website for information on installation of this package: <http://www.sun.com/processors/vis/mlib.html>

8.8 Improving CDE Application Performance

Tip	How do I improve the performance of CDE applications in the GNOME 2.0 Desktop?
Action	<p>By default the following CDE programs are turned off when you log in to a GNOME Desktop session:</p> <ul style="list-style-type: none">■ <code>dtdbcache</code> <code>dtdbcache</code> sets up a cache to speed up CDE programs that use actions such as <code>dtfile</code>. If this cache is not set up, CDE applications that use actions run more slowly. To turn this feature back on, you can start this program manually or by launching the program from a startup script. Perform the following actions:<ol style="list-style-type: none">1. Log in as root, then open the following file: <code>/usr/dt/config/Xsession.Sun-gnome-2.0-fcs</code>2. Delete the following line: <code>export SDT_NO_DTDBCACHE="1"</code>■ <code>ttsession</code> <code>ttsession</code> is the Tooltalk daemon. In CDE, this program is always launched when the user first logs in. In the GNOME 2.0 Desktop, this daemon is started automatically by the first program that makes use of Tooltalk. You can restore the CDE behavior by using a startup script. Perform the following actions:<ol style="list-style-type: none">1. Log in as root, then open the following file: <code>/usr/dt/config/Xsession.Sun-gnome-2.0-fcs</code>2. Delete the following line: <code>export SDT_NO_TOOLTALK="1"</code>■ <code>dtappgather</code> <code>dtappgather</code> is a support program for the CDE Application Manager. Normally, you do not need to run this program in a GNOME Desktop session. However, if you want to run this program, then you can start <code>dtappgather</code> manually or by launching the program from a startup script. Perform the following actions:<ol style="list-style-type: none">1. Log in as root, then open the following file: <code>/usr/dt/config/Xsession.Sun-gnome-2.0-fcs</code>2. Delete the following line: <code>export SDT_NO_APPGATHER="1"</code>

Accessibility Problems

This section provides information about how to deal with accessibility-related problems in the GNOME 2.0 Desktop.

- “9.1 Keyboard Is Unresponsive” on page 43
- “9.2 Numeric Keypad Is Unresponsive” on page 44
- “9.3 System Beeps Continuously” on page 44
- “9.4 System Beeps Incorrectly for Slow Keys” on page 45
- “9.5 Mouse Keys Functionality” on page 45

9.1 Keyboard Is Unresponsive

Problem

The keyboard stops responding when I do the following:

1. Select the **Enable Mouse Keys** option in AccessX.
2. Select either **Enable Bounce Keys** or **Enable Slow Keys**.
3. Use the numeric keypad to move focus to the **Testing Area** text box.
4. Press 5 on the numeric keypad to click in the **Testing Area** text box.

The keyboard does not work in any application, such as Terminal, gedit, and so on.

Solution	<p>Perform the following actions:</p> <ol style="list-style-type: none"> 1. Select the Enable Mouse Keys option in AccessX. 2. Use Mouse Keys to enable the Bounce Keys feature. 3. Use the numeric keypad to move focus to the Testing Area text box. 4. Press 5 on the numeric keypad to click in the Testing Area text box. 5. Press 5 a second time in the Testing Area text box. 6. Type as normal using keyboard. <p>Perform the same sequence of actions for Slow Keys.</p>
----------	--

9.2 Numeric Keypad Is Unresponsive

Problem	The numeric keypad stops responding when I enable XKB on a Solaris 8 or a Solaris 9 system.
Solution	Use the numeric keys in the main part of the keyboard.

9.3 System Beeps Continuously

Problem	<p>This problem is displayed on Sun Ray systems only.</p> <p>The system beeps continuously when I do the following:</p> <ol style="list-style-type: none"> 1. Select the Enable keyboard accessibility option in the AccessX dialog. 2. Select either of the following accessibility options: <ul style="list-style-type: none"> ■ Enable Toggle Keys ■ Enable Sticky Keys and Beep when modifier is pressed 3. Press a modifier key or press a toggle key.
Solution	<p>To stop the beeps, you must log out and log in again. Then, perform the following actions in the AccessX dialog:</p> <ol style="list-style-type: none"> 1. Deselect the Enable Toggle Keys option. 2. Deselect the Beep when modifier is pressed option for sticky keys.

9.4 System Beeps Incorrectly for Slow Keys

Problem	<p>The Beep when key is rejected option for Slow Keys is not working correctly when I do the following:</p> <ul style="list-style-type: none">■ Select the Enable Slow Keys option in the AccessX dialog.■ Select the Beep when key is rejected option.■ Deselect the Beep when key is accepted option.■ Press-and-hold a key for the time specified in the Only accept keypress after spin box.■ Release the key. The system accepts the keypress but the system beeps when you release the key. <p>In this situation, the system should not beep when you release the key after a successful keypress.</p>
Solution	<p>Perform the following actions:</p> <ol style="list-style-type: none">1. Deselect the Beep when key is rejected option.2. Select the Beep when key is accepted option.

9.5 Mouse Keys Functionality

Problem	<p>This problem is displayed on Sun Ray systems only.</p> <p>When you enable the Mouse Keys feature, the 9 key on the numeric keypad should move the mouse pointer upwards and diagonally to the right. However, the 9 key moves the pointer straight upwards.</p>
Solution	<p>Press the 8 key to move the pointer upwards and press the 6 key to move the pointer to the right.</p>

Localization and Internationalization Problems

This section provides information about how to deal with localization- and internationalization-related problems in the GNOME 2.0 Desktop.

- “10.1 Supported Locales” on page 47
- “10.2 Problems That Affect All Locales” on page 50
- “10.3 Problems That Affect European Locales” on page 53
- “10.4 Problems That Affect Asian Locales” on page 59
- “10.5 Problems That Affect Complex-Text Locales” on page 65

10.1 Supported Locales

The GNOME 2.0 Desktop supports the locales listed in the following table.

Language	Locale
Arabic	ar
	ar_EG.UTF-8
Brazilian Portuguese	pt_BR.ISO8859-1
	pt_BR.UTF-8

Language	Locale
Chinese, Simplified	zh
	zh.GBK
	zh.UTF-8
	zh_CN.EUC
	zh_CN.GB18030
	zh_CN.GBK
	zh_CN.UTF-8
Chinese, Traditional	zh_HK.BIG5HK
	zh_HK.UTF-8
	zh_TW
	zh_TW.BIG5
	zh_TW.EUC
	zh_TW.UTF-8
English	Posix (C)
	en_AU.ISO8859-1
	en_CA.ISO8859-1
	en_GB.ISO8859-1
	en_GB.ISO8859-15
	en_IE.ISO8859-1
	en_IE.ISO8859-15
	en_NZ.ISO8859-1
	en_US.ISO8859-1
	en_US.ISO8859-15
	en_US.UTF-8
French	fr_FR.ISO8859-1
	fr_FR.ISO8859-15
	fr_FR.UTF-8
German	de_DE.ISO8859-1
	de_DE.ISO8859-15
	de_DE.UTF-8

Language	Locale
Hebrew	he
	he_IL.UTF-8
Italian	it_IT.ISO8859-1
	it_IT.ISO8859-15
	it_IT.UTF-8
Japanese	ja
	ja_JP.eucJP
	ja_JP.PCK
	ja_JP.UTF-8
Korean	ko
	ko_KR.EUC
	ko.UTF-8
	ko_KR.UTF-8
Polish	pl_PL.ISO8859-2
	pl_PL.UTF-8
Russian	ru_RU.ANSI1251
	ru_RU.ISO8859-5
	ru_RU.KOI8-R
	ru_RU.UTF-8
Spanish	es_ES.ISO8859-1
	es_ES.ISO8859-15
	es_ES.UTF-8
Swedish	sv_SE.ISO8859-1
	sv_SE.ISO8859-15
	sv_SE.UTF-8

Note – Some locales provide limited support, as follows:

- ar, ar_EG.UTF-8: GNOME Desktop is not localized. Basic internationalization support only, with known problem. See “10.5.1 Incomplete Support for Right-to-Left Languages” on page 66.
 - en_GB.ISO8859-15, en_IE.ISO8859-15, and en_US.ISO8859-15: GNOME session is not available, but GNOME Desktop is supported.
 - he, he_IL.UTF-8: GNOME Desktop is not localized. Basic internationalization support only, with known problem. See “10.5.1 Incomplete Support for Right-to-Left Languages” on page 66.
 - ru_RU.ANSI1251: GNOME session is available, but GNOME Desktop is not supported.
-

10.2 Problems That Affect All Locales

The following problems affect all locales:

- “10.2.1 Unlocalized Menu Items” on page 50
- “10.2.2 Warning Messages to Console” on page 51
- “10.2.3 Obsolete Topics In Online Help” on page 51
- “10.2.4 Multiple Trash Icons” on page 51
- “10.2.5 Dialogs and Panels Are Not Localized” on page 51
- “10.2.6 Localized Online Help Is Not Displayed” on page 52
- “10.2.7 Cannot Open a File Created in a Different Locale” on page 52
- “10.2.8 Launching gmines Causes a Segmentation Fault” on page 53

10.2.1 Unlocalized Menu Items

Problem	Affects all locales. The following menu items are unlocalized across all locales: <ul style="list-style-type: none">■ Sound & Video■ Audio Control■ Media Player
Solution	This problem will be fixed in a future release.

10.2.2 Warning Messages to Console

Problem	Bug ID 4818711, affects all locales. When you launch GNOME applications from a terminal, you might occasionally see warning messages in the terminal window.
Solution	These warnings do not appear if you launch applications from the desktop environment menus. These warnings do not affect the functionality of the application. This bug will be fixed in a future release of the GNOME Desktop.

10.2.3 Obsolete Topics In Online Help

Problem	Affects all locales. Obsolete applications such as gweather and Stock Ticker are included in online Help.
Solution	Ignore Help for obsolete applications.

10.2.4 Multiple Trash Icons

Problem	Affects all locales. When you switch languages using dtlogin, and you log in remotely, multiple Trash icons are shown on the desktop.
Solution	Perform the following steps: <ul style="list-style-type: none">■ Open a terminal.■ Change to the <code>.gnome-desktop</code> directory: <code>cd .gnome-desktop</code>■ Remove unnecessary Trash files.

10.2.5 Dialogs and Panels Are Not Localized

Problem	Affects all locales. A number of applications display unlocalized dialogs and panels.
---------	--

Solution This problem will be fixed in a future release of the GNOME Desktop.

10.2.6 Localized Online Help Is Not Displayed

Problem Bug ID 4875223, affects all locales.
Yelp does not display localized online Help.

Solution Perform the following steps:

1. Log in as root.
2. Run the following command for each language *lang*, to remove the installed documentation packages:
pkgrm SUNWgnome-110ndocument-*lang*
To see what documentation packages are installed on the system, run the following command:
ls -d /var/sadm/pkg/SUNWgnome-110ndocument-*
3. Change to the `/var/gnome/lib/scrollkeeper` directory:
cd /var/gnome/lib/scrollkeeper
4. Remove all language-specific directories. That is, all directories and links except `C`, `TOC`, `index`, and `scrollkeeper_docs`.
5. Change to the directory containing the install image, as shown in the following example:
cd
/S9U4_langcd/latest/components/language/arch/Packages
6. Run the following command for each language *lang*, to reinstall the documentation packages:
pkgadd -d . SUNWgnome-110ndocument-*lang*

10.2.7 Cannot Open a File Created in a Different Locale

Problem Bug ID 4824884, affects all locales.
Nautilus may not open a file that was created in a different locale.

Solution Log in to the locale in which the file was created, then open the file.

10.2.8 Launching gmines Causes a Segmentation Fault

Problem	Affects the gmines game in all locales. If you install a language package, then gmines causes a segmentation fault the next time you try to launch the game.
Solution	Remove the following file to stop the game from freezing: <code>/usr/share/locale/[your-locale]/LC_MESSAGES/gnome-games.mo</code> . This action also removes the localization support for all games. This problem will be fixed in a future release.

10.3 Problems That Affect European Locales

The following problems affect European locales:

- “10.3.1 OpenWindows Login Option Is Missing” on page 53
- “10.3.2 Corrupted Messages in XScreenSaver” on page 54
- “10.3.3 Start Menu Is Not Localized” on page 54
- “10.3.4 Control Center Is Not Localized” on page 54
- “10.3.5 GNOME Desktop Menu Item Is Missing From Login Screen” on page 55
- “10.3.6 Installation GUI Is Not Localized” on page 56
- “10.3.7 Keyboard Shortcut Does Not Change Input Method Window” on page 56
- “10.3.8 Poor Font Quality in Terminal” on page 56
- “10.3.9 No Support for CP1251 and ANSI1251 Encoding” on page 57
- “10.3.10 Rasterization Problems in Russian Locale” on page 57
- “10.3.11 XScreenSaver Is Not Localized” on page 58

10.3.1 OpenWindows Login Option Is Missing

Problem	Affects all European locales in the Solaris 8 operating environment. When you install the GNOME 2.0 Desktop you might notice that OpenWindows is no longer present as a session option in the login screen.
---------	--

Solution Perform the following steps to restore the OpenWindows option to the login screen:

1. Log in as root.
2. Run the following command:

```
cp /usr/dt/config/C/Xresources.d/Xresources.ow  
/usr/dt/config/locale/Xresources.d/Xresources.ow
```

Where *locale* corresponds to the locale for which you wish to restore the OpenWindows login option.

10.3.2 Corrupted Messages in XScreenSaver

Problem Bug ID 4825508, affects Brazilian Portuguese locales.
Corrupted messages appear in XScreenSaver.

Solution This problem will be resolved in a future release of the GNOME Desktop.

10.3.3 Start Menu Is Not Localized

Problem Affects the pt_BR.ISO8859-1 locale.
The Start menu is not localized.

Solution This problem will be fixed in a future release.

10.3.4 Control Center Is Not Localized

Problem Affects the pt_BR.ISO8859-1 locale.
Control Center is not localized.

Solution This problem will be fixed in a future release.

10.3.5 GNOME Desktop Menu Item Is Missing From Login Screen

Problem	<p>Bug ID 4765131, affects the following locales:</p> <ul style="list-style-type: none">■ en_GB.ISO8859-15■ en_IE.ISO8859-15■ en_US.ISO8859-15 <p>The GNOME Desktop menu item is missing from the login screen. The GNOME Xresource files for these locales were omitted from <code>/usr/dt/config</code>.</p>
Solution	<p>You can deploy a system-wide workaround in regions where the affected locales are used.</p> <p>Perform the following steps:</p> <ol style="list-style-type: none">1. Log in to the GNOME Desktop in the C locale.2. Log in as root in a Terminal window.3. Change directory as follows: <code>cd /usr/dt/config/</code>4. Run one or more of the following commands, depending on your locales:<ul style="list-style-type: none">■ <code>ln -s C/Xresources.d/Xresources.Sun-gnome-2.0-s9u4s-2_0_2-08 en_GB.ISO8859-15/Xresources.d/Xresources.Sun-gnome-2.0-s9u4s-2_0_2-08</code>■ <code>ln -s C/Xresources.d/Xresources.Sun-gnome-2.0-s9u4s-2_0_2-08 en_IE.ISO8859-15/Xresources.d/Xresources.Sun-gnome-2.0-s9u4s-2_0_2-08</code>■ <code>ln -s C/Xresources.d/Xresources.Sun-gnome-2.0-s9u4s-2_0_2-08 en_US.ISO8859-15/Xresources.d/Xresources.Sun-gnome-2.0-s9u4s-2_0_2-08</code>5. Log out. <p>The GNOME Desktop option should now be available in the login screen, for both of the affected locales.</p> <p>This problem will be fixed in the Update 5 release of the Solaris 9 operating environment.</p>

10.3.6 Installation GUI Is Not Localized

Problem	Bug ID 4837852, affects the following locales: <ul style="list-style-type: none">■ ru_RU.ISO8859-5■ pl_PL.ISO8859-2 In the Solaris 8 operating environment, SPARC architecture edition, the installation GUI is not localized.
Solution	This problem will be fixed in a future release.

10.3.7 Keyboard Shortcut Does Not Change Input Method Window

Problem	Affects Russian locales. The keyboard shortcut Ctrl+Spacebar to select and change the input method window does not work on the x86 architecture edition of the Solaris operating environment.
Solution	Use the mouse to select and change the input method window.

10.3.8 Poor Font Quality in Terminal

Problem	Affects Russian locales. The font quality is low for the Terminal application.
Solution	Perform the following steps: <ol style="list-style-type: none">1. Open a terminal, then choose Edit → Profiles.2. Click on the Edit icon.3. In the General tabbed section, deselect the check box Use the same font as other applications.4. Click on the font selection bar.5. Choose a suitable font from the Choose a terminal font dialog.

10.3.9 No Support for CP1251 and ANSI1251 Encoding

Problem	<p>Affects Russian locales.</p> <p>The pango X11 shaper in this release of the GNOME Desktop does not support CP1251 encoding. As a result, CP1251 or ANSI1251 encoded characters are displayed as zero-width or blank characters.</p>
Solution	<p>Use the following locales, which are supported by the pango X11 shaper, until CP1251 support is available:</p> <ul style="list-style-type: none">■ ru_RU.KOI8-R■ ru_RU.ISO8859-5■ ru_RU.UTF-8 <p>You can use iconv conversion tables to re-encode CP1251 and ANSI1251 files. To encode a CP1251 or ANSI1251 file into a UTF-8 encoded file, in a terminal run the following command:</p> <pre>/usr/bin/iconv -f CP1251 -t UTF-8 CP1251 filename > UTF-8 filename. (man iconv)</pre>

10.3.10 Rasterization Problems in Russian Locale

Problem	<p>Affects the ru_RU.KOI8-R locale.</p> <p>In the Solaris 8 operating environment, x86 architecture edition, you might experience rasterization problems regarding the following Russian glyphs:</p> <ul style="list-style-type: none">■ 00F1■ 00FF■ 00DC <p>This problem affects both the Common Desktop Environment (CDE) and the GNOME Desktop.</p>
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Solution	<p>You need to select specific fonts for use within the GNOME Desktop. Perform the following steps:</p> <ul style="list-style-type: none"> ■ Open a terminal and run the following command: <code>gnome-font-properties</code> ■ Click on the Desktop font button in the Font Preferences dialog. ■ In the Pick a Font dialog, specify a font from the following list: <ul style="list-style-type: none"> ■ application: medium, medium italic, bold, bold italic ■ arial: italic, bold, bold-italic ■ courier: italic, bold italic ■ fixed: medium ■ interface system: medium ■ monospace: normal ■ sans: italic, bold italic ■ times: italic, bold italic <p>This problem will be fixed in a future release.</p>
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10.3.11 XScreenSaver Is Not Localized

Problem	<p>Affects the sv_SE.ISO8859-1 and sv_SE.ISO8859-15 locales.</p> <p>XScreenSaver does not appear to be localized when you install the language pack.</p>
Solution	<p>XScreenSaver looks for localized messages in the following file: <code>/usr/openwin/lib/locale/locale/LC_MESSAGES/xscreensaver.mo</code></p> <p>Where <i>locale</i> corresponds to the login locale.</p> <p>The language packs install XScreenSaver localizations in the following location: <code>/usr/share/locale/locale/LC_MESSAGES/xscreensaver.mo</code></p> <p>To make XScreenSaver appear localized, create a symbolic link from <code>/usr/openwin/lib/locale/locale/LC_MESSAGES/xscreensaver.mo</code> to <code>/usr/share/locale/locale/LC_MESSAGES/xscreensaver.mo</code>.</p> <p>This problem will be fixed in a future release.</p>

10.4 Problems That Affect Asian Locales

The following problems affect Asian locales:

- “10.4.1 Default Desktop Font Is Too Small Or Blank” on page 59
- “10.4.2 Special Fonts Are Missing in Chinese Locales” on page 60
- “10.4.3 GNOME Ghostscript Display” on page 60
- “10.4.4 Font Quality Is Poor” on page 61
- “10.4.5 Different Date Format in the Solaris Operating Environment” on page 62
- “10.4.6 Character Display Problem in GTK2+ Applications” on page 62
- “10.4.7 Printing Out From gedit in the Solaris 8 Operating Environment” on page 62
- “10.4.8 Cannot Print Japanese Characters With Default Font in gedit” on page 63
- “10.4.9 Cannot Open ISO-2022-JP Encoded File” on page 63
- “10.4.10 Localized Characters Do Not Display in gedit” on page 63
- “10.4.11 Poor Japanese Font Quality with Default Font in gedit” on page 64
- “10.4.12 Character Display Problem in Terminal” on page 64
- “10.4.13 Core Dump When Copy or Link to File” on page 64
- “10.4.14 Input Method Window Repeatedly Flushed” on page 65
- “10.4.15 Japanese Locale Core Dump” on page 65
- “10.4.16 GTK2+ Applications Freeze” on page 65

10.4.1 Default Desktop Font Is Too Small Or Blank

Problem	<p>For example: bug ID 4805328, affects some locales, including Chinese locales.</p> <p>Currently, you cannot set the default font for the GNOME Desktop for each locale. As a result, particularly if you are switching between locales, you might find that the default desktop font is either too small or is rendered blank.</p>
Solution	<p>To change the default desktop font, perform the following steps:</p> <ul style="list-style-type: none">■ Open a terminal and run the following command: gnome-font-properties■ Use the Font Preferences dialog to change font size to appropriate values. For example, in Chinese locales, you can set both Application font and Desktop font to Sans 13.

10.4.2 Special Fonts Are Missing in Chinese Locales

Problem	<p>Bug ID 4821955, affects Traditional Chinese locales.</p> <p>You cannot see the characters displayed with some special fonts such as bold fonts. As a result, some characters in the Yelp window appear to be missing.</p>
Solution	<p>You must change the <code>pango.alias</code> file in <code>/etc/{zh_TW.EUC, zh_TW.BIG5, zh_TW.UTF-8, zh_HK.BIG5HK, zh_HK.UTF-8}</code>. Perform the following steps:</p> <ol style="list-style-type: none">1. Log in as root.2. Change to the directory where the <code>pango.alias</code> file is located for your locale. For example, for the <code>zh_TW.BIG5</code> locale, run the following command: <code>cd /etc/pango/zh_TW.BIG5</code>3. Run the following command: <code>cat pango.alias tr [A-Z] [a-z] > /tmp/pango</code>4. Run the following command: <code>mv /tmp/pango pango.alias</code>5. If the directory <code>/etc/pango/sparcv9/pango</code> is on your system, change the <code>pango.alias</code> files in the locale subdirectories in that directory, in the same way as for <code>/etc/pango</code>.

10.4.3 GNOME Ghostscript Display

Problem	<p>Affects Asian and Japanese locales.</p> <p>Characters with the Japanese Postscript font name are garbled when displayed in GNOME Ghostscript.</p>
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Solution	<p>Perform the following steps:</p> <ol style="list-style-type: none"> 1. Log in as root. 2. Run the following command: <code>cd /</code> 3. Run the following command: <code>mkdir /Resource</code> 4. Depending on the locale, run one of the following commands: <ul style="list-style-type: none"> Simplified Chinese <pre>ln -s /usr/openwin/lib/locale/zh/X11/Resource/CMap /Resource/CMap</pre> Traditional Chinese <pre>ln -s /usr/openwin/lib/locale/zh_TW/X11/Resource/CMap /Resource/CMap</pre> Japanese <pre>ln -s /usr/openwin/lib/locale/ja/X11/Resource/CMap /Resource/CMap</pre> Korean <pre>ln -s /usr/openwin/lib/locale/ko/X11/Resource/CMap /Resource/CMap</pre>
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10.4.4 Font Quality Is Poor

Problem	Bug ID 4423759, affects Japanese locales in the Solaris 9 operating environment.
Solution	<p>Perform the following steps:</p> <ul style="list-style-type: none"> ■ Open the Applications menu. ■ Choose Desktop Preferences → Font. ■ In the Font Preferences dialog, specify hg gothic b for both the application font and the desktop font. ■ Select the appropriate font size, either 12 or 14, depending on your desktop resolution.

10.4.5 Different Date Format in the Solaris Operating Environment

Problem	<p>Affects Japanese locales.</p> <p>The date format is different in the Solaris operating environment. There is no '(' and ')' on the weekday format in the following locales:</p> <ul style="list-style-type: none">■ Solaris 8 operating environment: ja_JP.UTF-8■ Solaris 9 operating environment: ja_JP.eucJP, ja_JP.UTF-8
Solution	<p>Not applicable.</p>

10.4.6 Character Display Problem in GTK2+ Applications

Problem	<p>Bug ID 4785550, affects the gedit application and other GTK2+ applications in Japanese locales.</p> <p>Part of the IBM/NEC extended character and special characters are not displayed.</p>
Solution	<p>Known limitation.</p>

10.4.7 Printing Out From gedit in the Solaris 8 Operating Environment

Problem	<p>Affects Japanese locales.</p> <p>You can preview JISX0212 in the gedit application, but you cannot print out JISX0212.</p>
Solution	<p>Solaris 8 operating environment: Known limitation.</p> <p>Solaris 9 operating environment: Perform the following steps:</p> <ul style="list-style-type: none">■ Open the gedit application.■ Choose Edit → Preferences.■ Select Fonts from the Print category, in the Categories panel.■ For each print item, specify either of the following fonts:<ul style="list-style-type: none">■ HG-GothicB-Sun■ HG-MinchoL-Sun

10.4.8 Cannot Print Japanese Characters With Default Font in gedit

Problem	Bug 4861491, affects Japanese locales. When you use the default printer font in the gedit application, Japanese characters are not displayed in Print Preview and are not printed by printers.
Solution	Perform the following steps: <ul style="list-style-type: none">■ Open the gedit application.■ Choose Edit → Preferences.■ Select Fonts from the Print category, in the Categories panel.■ For each print item, specify the HG-GothicB-Sun font.

10.4.9 Cannot Open ISO-2022-JP Encoded File

Problem	Bug ID 4826184, affects Japanese locales. You cannot open ISO-2022-JP encoded files in the gedit application.
Solution	This problem will be fixed in a future release.

10.4.10 Localized Characters Do Not Display in gedit

Problem	For example: bug ID 4785550, affects Japanese locales. Japanese characters do not display in the gedit application, when you select Courier as the default font.
Solution	Perform the following steps: <ul style="list-style-type: none">■ Open the gedit application.■ Choose Edit → Preferences.■ Select Font & Colors in the Categories panel.■ Select the option Use default theme font. This solution does not fix the problem that IBC/NEC extended character and special characters are not displayed in the Solaris 8 operating environment.

10.4.11 Poor Japanese Font Quality with Default Font in gedit

Problem	Bug ID 4869534, affects Japanese locales. The Japanese font quality is poor in the gedit application, when you use the default font.
Solution	Perform the following steps: <ul style="list-style-type: none">■ Open the gedit application.■ Choose Edit → Preferences.■ Select Font & Colors from the Editor category, in the Categories panel.■ Specify the hg gothic b font for the editor font.

10.4.12 Character Display Problem in Terminal

Problem	Affects Japanese locales. In the Terminal application Preferences dialog, IBM/NEC extended character and special characters are not displayed when you select the option Use the same font as other applications .
Solution	Perform the following steps: <ul style="list-style-type: none">■ Open a terminal.■ Choose Edit → Current Profiles.■ In the Editing Profiles dialog, deselect the option Use the same font as other applications.■ Specify the font to be interface user.

10.4.13 Core Dump When Copy or Link to File

Problem	Bug ID 4824884, affects Japanese locales. A core dump sometimes occurs when you use Nautilus to copy or link to a file that was created in a different locale.
Solution	Log in to the locale in which the file was created, then copy the file or create a link to the file.

10.4.14 Input Method Window Repeatedly Flushed

Problem	Bug ID 4781611, affects the ja_JP.UTF-8 locale. When there are multiple input contexts on the same top-level application window, the input method window is repeatedly flushed.
Solution	This problem will be fixed in a future release.

10.4.15 Japanese Locale Core Dump

Problem	Bug ID 4808468, affects the ja_JP.UTF-8 locale. An application core dump occurs when you do the following: 1. Choose Unicode List → HIRAGANA from the IM status. 2. Close the application window.
Solution	This problem will be fixed in a future release.

10.4.16 GTK2+ Applications Freeze

Problem	Bug ID 4820426, affects the ja_JP.UTF-8 locale. GTK2+ applications freeze when you do the following: 1. Open a Lookup Choice window. 2. Press and hold the space key.
Solution	This problem will be fixed in a future release.

10.5 Problems That Affect Complex-Text Locales

The following problems affect complex—text locales:

- “10.5.1 Incomplete Support for Right-to-Left Languages” on page 66

10.5.1 Incomplete Support for Right-to-Left Languages

Problem	Affects Arabic and Hebrew. Only partial support is available in the GNOME Desktop for right-to-left languages. Full support for right-to-left language printing and GUI widget mirroring is currently under development in the GNOME Desktop.	
Solution	Arabic and Hebrew text input is supported in the GNOME 2.0 globalization release, with the exception of the Terminal application. If you have not installed any other language pack, and you want text input support, then install the following patches:	
	SPARC Architecture Edition	x86 Architecture Edition
Solaris 8 Operating Environment:	114485-01	114486-01
Solaris 9 Operating Environment:	114274-02	114275-02

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