Installation Guide

Forte Developer 7

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Before You Begin

This installation guide gives instructions for how to:

- Install the Forte™ Developer 7 software and serial number
- Install Forte Developer 7 Source Distribution software or Sun Performance Library 7 software
- Uninstall software
- Troubleshoot installation problems

This book is designed for system administrators who install software. Experience with the Solaris™ operating environment and UNIX® commands is required.

Typographic Conventions

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

Shell Prompts

Shell	Prompt
C shell	%
Bourne shell and Korn shell	$
C shell, Bourne shell, and Korn shell superuser	#

Supported Platforms

This Forte Developer release supports versions 7 and 8 of the Solaris™ *SPARC™ Platform Edition* and Solaris™ *Intel Platform Edition* operating environments.

Accessing Forte Developer Documentation

You can access Forte Developer product documentation at the Forte Developer 7 Compiler Collection Early Access web site at:

`http://access1.sun.com/fortedevprod/fd7compilers`.

Sending Your Comments

Sun is interested in improving its documentation and welcomes your comments and suggestions. Email your comments to Sun at this address:

`docfeedback@sun.com`

CHAPTER 1

Preparing for Installation

This chapter describes:

- The software installation overview
- System requirements

Software Installation Overview

The following is the general process you follow to install your Forte Compiler Collection 7 (FCC) software, serial number, and supporting software.

1. Your application server must meet the minimum requirements for this release. See "System Requirements" on page 2.
2. You must install the Early Access serial number during product installation. See Chapter 2 for product and serial number installation.
3. If you want to install the Forte™ Developer Enterprise Edition 7 product to use with the FCC software, make a note of the FCC installation path. You will need to include the absolute path when you install the Forte for Java product. See `http://access1.sun.com/fortedevprod/ffjea` for more details.

After following the instructions in this manual, you are ready to use your Forte Developer software.

System Requirements

This Forte Developer release supports versions 7 and 8 of the Solaris™ *SPARC™ Platform Edition* and the Solaris *Intel Platform Edition* operating environments in Entire Distribution or Entire Distribution plus OEM configurations.

Note – For further disk space requirements and important last-minute information about this release, see the release notes on the Forte Developer 7 Compiler Collection web site at `http://access1.sun.com/fortedevprod/fd7compilers`.

TABLE 1-1 lists the system requirements for each platform in distribution Entire Distribution or Entire Distribution plus OEM configurations.

TABLE 1-1 System Requirements by Platform in Entire Distribution or Entire Distribution Plus OEM Configurations

	Solaris *SPARC Platform Edition*	**Solaris *Intel Platform Edition***
	Solaris 7 or 8	**Solaris 7 or 8**
System	Recommended: Ultra 60 360 MHz; Sun blade 100 500 MHz Minimum: Ultra 10	Recommended: Pentium III 450 MHz Minimum: Pentium II 350 MHz
Monitor	1152 x 900 resolution; 15” color monitor	
Memory	768 Mbytes recommended; 256 Mbytes minimum	
Swap Space*	1536 Mbytes recommended; 512 Mbytes minimum	
Disk Space	1.5 Gbytes	
Peripherals	CD ROM drive	
OS Configurations	Entire Distribution or Entire Distribution plus OEM	

*Use the `swap -s` command to check the swap space.

If you want to add swap space, do the following:

1. **Become a superuser by typing:**

```
% su
Password: root-password
```

2. **Make a file in the selected directory to add swap space. You can use the command**

```
mkfile -n <size[m|k|b]> directory/<swapfilename>
```

where <*size*[*m*|*k*|*b*]> can be a number plus *m* for megabyte, *k* for kilobyte, or *b* for block, and the *directory* is a directory in which you have permissions to add swap space. For example, to make a 16 megabyte swap file named `16mswap`, type the following:

```
#mkfile -n 16m /directory/16mswap
```

See the `mkfile` man page for more information.

3. **Verify the file was created by typing:**

```
#ls -l /directory/16mswap
```

4. **Run the `swap` command to specify the additional swap space by typing:**

```
#swap -a /directory/16mswap
```

5. **Verify that the extra swap space was added by typing:**

```
#swap -s
```

CHAPTER 2

Installing Software

This chapter gives you step-by-step instructions for installing your serial number and Forte™ Developer 7 software.

Supporting Previous Software Releases

To support previous Forte Developer releases as well as this Forte Developer release on the same machine, select an installation directory for the new release that is *different* from the directory where previous Forte Developer or Sun WorkShop releases reside. For example, if you previously installed development tools in `/opt`, install the new development tools in a new directory that you created on a file system with sufficient disk space. For example:

```
/opt/
```

for the previous version, and

```
/export/home3/tools
```

for the new version.

After installation, modify your `PATH` and `MANPATH` environment variables to include the new directory. See "Changing PATH and MANPATH Variables" on page 23 about setting the variables to access the new release.

Software Installation Steps

There are two ways to run the installer for Forte Developer software:

- Using the graphical user interface (see "Using the Graphical User Interface" on page 11 for instructions)
- `installer` command-line installation executable if you do not have graphical user interface capabilities (see "Using the Command-Line Installation" on page 15 for instructions)

See the section "Local or Remote Installation" on page 6 to determine if you want to do a local or remote installation.

Local or Remote Installation

In a local installation, the *source* computer and the *target* computer are the same machine. In a remote installation, the *source* computer and the *target* computer are two different machines. The source machine contains the downloaded file, and the target machine is the machine you use to install the software.

There are three types of local and remote installations:

- Local installation—The source machine and the target machine are the same machine. Continue to "Local Installation" on page 6.
- Remote installation type one—The target machine is used to install software on the source machine. Continue to "Remote Installation Type One" on page 7.
- Remote installation type two—The target machine is used to install software *from* the source machine *to* the target machine. Continue to "Remote Installation Type Two" on page 8.

If you are doing a local installation, continue to "Using the Graphical User Interface" on page 11, "Using the Command-Line Installation" on page 15, or "Batch Installation" on page 19. If you are doing a remote installation, continue to "Remote Installation Type One" on page 7 or "Remote Installation Type Two" on page 8

Local Installation

For the local installation, follow these steps:

1. **Go to the *download-directory* by typing:**

```
% cd download-directory
```

2. **Go to "Using the Graphical User Interface" on page 11 or "Using the Command-Line Installation" on page 15 to complete the installation.**

Remote Installation Type One

For remote installation type one, follow these steps:

1. **On the target machine, enable client access to the X server by typing the following at a command line:**

```
% /usr/openwin/bin/xhost + source-machine-name
```

Replace *source-machine-name* with the output of the `/usr/bin/hostname` command entered on the source machine.

2. **Log in to the source machine and become a superuser (root) by typing:**

```
# rlogin source-machine-name -l root
Password: root-password
```

a. From the source machine, set your display to the monitor you are using.

If you use the C shell, type:

```
# setenv DISPLAY hostname:0.0
```

If you use the Bourne shell, type:

```
# DISPLAY=hostname:0.0
# export DISPLAY
```

If you use the Korn shell, type:

```
# export DISPLAY=hostname:0.0
```

Replace *hostname* with the output of the `/usr/bin/hostname` command on the target machine.

b. Go to the download-directory by typing:

```
% cd download-directory
```

3. Continue to "Using the Graphical User Interface" on page 11 or "Using the Command-Line Installation" on page 15.

Remote Installation Type Two

For remote installation type two, follow these steps:

Note – Step 1, Step 2, Step 3, and Step 4 are performed on the source machine.

---

1. Become a superuser (root) by typing:

```
% su
Password: root-password
```

2. **Add the following line to your `/etc/dfs/dfstab` file in order to share the product image as an NFS file system:**

```
share -F nfs -o ro /download-directory
```

3. **Verify that your source machine is an NFS server by typing:**

```
# ps -ef | grep nfsd
```

If screen output that resembles the following example appears, then `nfsd` is running:

```
root 237 1 17 Jun 04 ? 0:00 /usr/lib/nfs/nfsd -a 16
```

If you *do not* get screen output like the preceding example, start `nfsd` by typing:

```
# /etc/init.d/nfs.server start
# ps -ef | grep nfsd
```

You should see screen output similar to the previous example. If not, contact your system administrator or your Sun authorized service provider.

If `nfsd` is running, to make the product image available, type:

```
# /usr/sbin/shareall
```

4. **Make sure your source machine is exporting your product directory by typing:**

```
# /usr/sbin/dfshares
```

Screen output that resembles the following example appears:

```
RESOURCE                        SERVER      ACCESS  TRANSPORT
server-name:product-location    server-name  -       -
```

Note – Step 5, Step 6, Step 7, Step 8, and Step 9 are performed on the target machine.

---

5. **On the target machine, enable client access to the X server by typing the following at a command line:**

```
% /usr/openwin/bin/xhost + source-machine-name
```

6. **On the target machine, log in as superuser (root) by typing:**

```
% su
Password: root-password
```

7. **On the target machine, create a new directory by typing:**

```
# mkdir /install
```

   a. Mount the *install* directory by typing:

```
# mount source-machine:/download-directory /install
```

   b. Go to the directory that you created in Step 7 by typing:

```
# cd /install
```

8. **From the target machine, set your display to the monitor you are using.**

   If you use the C shell, type:

```
# setenv DISPLAY hostname:0.0
```

   If you use the Bourne shell, type:

```
# DISPLAY=hostname:0.0
# export DISPLAY
```

   If you use the Korn shell, type:

```
# export DISPLAY=hostname:0.0
```

   Replace *hostname* with the output of the `/usr/bin/hostname` command on the target machine.

9. **Continue to "Using the Graphical User Interface" on page 11 or "Using the Command-Line Installation" on page 15.**

Using the Graphical User Interface

These instructions describe how to use the installer software to install the Forte Developer software and the Early Access serial number.

1. **Pick a local or remote installation method.**

   To help you decide, see "Local or Remote Installation" on page 6. Then continue with Step 2.

2. **If you have not done so, from the download directory, uncompress and extract the contents of the downloaded file by typing:**

```
% gunzip -c *.gz | tar xvf -
```

3. **To recover disk space, remove the downloaded tar file by typing:**

```
% rm -rf downloaded-file.tar
```

4. **Enable client access by typing in a separate shell window:**

```
% xhost +
```

5. **Go to the directory that was created when you untarred the downloaded file. For example, if the file you untarred is** `Forte_Developer_for_Solaris_SPARC.tar`**, then type the following:**

```
% cd ForteDev_sparc
```

6. **If you are not currently superuser (root), become a superuser by typing:**

```
% su
Password: root-password
```

7. **Start the installer by typing at the prompt:**

```
# ./installer
```

Note – Do not run the installer in the background.

Before the installer opens, you receive messages that ask if you have previously installed versions of the Forte Developer 7 software, multiple versions installed on the system, or other versions installed in the same directory.

8. **To respond to the messages, type** `y` **if you want to continue. If you need to uninstall a previous version of Forte Developer, type** `n` **and go to Chapter 3 for information on uninstalling software.**

   Once you have started the installer, the Welcome pane appears.

9. **Click Next in the Welcome pane. The Binary Code License Agreement pane appears.**

   From the Binary Code License Agreement pane, click `I agree`. If you choose `I do not agree`, you cannot continue with installation.

10. **Click Next to proceed to the Product Selection pane.**

11. **Select the software that you want to install by clicking the buttons in the Default Install column or Custom Install column.**

Note – The default selection Solaris patches for Forte Developer 7 installs the patches. If you have previously installed patches, installing the default patches does not downgrade your system. For more information on patches, see the `README` files in the Patch directory.

A default installation installs all components and all online documentation that is associated with the components.

A custom installation allows you to select which components you want to install.

12. **Click Next to continue to the Select Install Directory. Decide if you want to change the software installation directory from `/opt`.**

    See "Supporting Previous Software Releases" on page 5 if you want to install this new Forte Developer release on a machine that contains previous Forte Developer releases or Sun WorkShop releases.

Note – The installer allows you to install multiple products in one location only on the same system.

The installation directory that you choose is your default installation directory for this session:

- If you want to install in `/opt`, click Next.

Note – If you already have Forte Developer software installed in `/opt`, then choose a different installation directory.

- If you want to install the software in a directory other than `/opt`, type the new location in the text field.
- If you want to browse for another location, do the following:

a. Click Browse and select the location where you want the software installed.

b. Click OK from the Browse pane.

You return to the Select Install Directory.

c. Click Next when you have selected the installation directory.

13. **For Default installation, go to Step 14. For Custom Install only, continue with Step a and Step b**

a. In the Component Selection pane, select the components you want to install.

Note – If you are custom installing more than one product, then different Component Selection panes appear for each product.

---

b. Click Next when you are finished.

14. **Click Next to continue with the installation. The Enter Serial Number pane appears.**
15. **Click the Early Access Serial Number button. The serial number appears in the text box.**
16. **Click Next.**

    After the installer checks for adequate disk space, the Ready to Install pane appears.

Note – If you install the product in a directory named `home`*foo*, the installer warns you of insufficient disk space. You can ignore the message and continue with installation.

---

17. **In the Ready to Install pane, verify the items that you want to install.**

    a. If you want to install more products, click Back to return to the Product Selection pane, make your selections, and click Next to return to the Ready to Install pane.

    b. When you complete your selection, click Install Now.

18. **Click Next to proceed with installation. The installing pane appears with a progress indicator.**
19. **Review the messages in the Installation Summary pane, and then click Exit to quit the installation.**
20. **If you performed a remote installation, follow these steps (if you did not perform a remote installation, skip to Step 21):**

    - For a type one remote installation:

    a. On the target machine, disable client access by typing the following:

```
% /usr/openwin/bin/xhost - source-machine-name
```

    b. Exit from superuser privileges on the source machine by typing:

```
# exit
```

c. Go to Step 21.

- For a type two remote installation:

a. On the target machine, unmount the /*install* directory by typing the following:

```
# umount /install
```

b. Go to Step 21.

21. Exit from superuser privileges by typing:

```
# exit
```

22. Disable client access by typing the following:

```
% /usr/openwin/bin/xhost - target-machine-name
```

23. Review html versions of the `readme` files located in `/opt/SUNWspro/docs/index.html` for specific information on new features, problems and workarounds, documentation errors, and software corrections. Text versions of the `readme` files are located at `/opt/SUNWspro/READMEs`

24. Set your `PATH` and `MANPATH` variables by following the steps in "Changing PATH and MANPATH Variables" on page 23.

Using the Command-Line Installation

These instructions describe how to install the Forte Developer software using the command-line interface.

Follow these steps:

1. Pick a local or remote installation method.

To help you decide, see "Local or Remote Installation" on page 6. Then continue with Step 2.

2. If you have not done so, from the download directory, uncompress and extract the contents of the downloaded file by typing:

```
% gunzip -c *.gz | tar xvf -
```

3. **To recover disk space, remove the downloaded tar file by typing:**

```
% rm -rf downloaded-file.tar
```

4. **Enable client access by typing in a separate shell window:**

```
% xhost +
```

5. **Go to the directory that was created when you untarred the downloaded file. For example, if the file you untarred is** `Forte_Developer_for_Solaris_SPARC.tar`**, then type the following:**

```
% cd ForteDev_sparc
```

6. **If you are not currently superuser, become a superuser (root) by typing:**

```
% su
Password: root-password
```

7. **Start the command-line installation by typing:**

```
# ./installer -nodisplay
```

Note – Do not run the installer in the background.

Before the installer opens, you receive messages that ask if you have previously installed versions of the Forte Developer 7 software, multiple versions installed on the system, or other versions installed in the same directory.

8. **Type** `y` **if you want to continue. If you need to uninstall a previous version of Forte Developer, type** `n` **and go to Chapter 3.**

9. **Press the Enter key. The Binary Software Evaluation Agreement text appears.**

Note – The Enter key is equivalent to the Return key on some keyboards. You can use the Enter key to accept the default selections during installation.

---

10. **After reading the Binary Software Evaluation Agreement, type `I agree` at the prompt, and press Enter to continue.**

    If you type **`I do not agree`**, you cannot continue with installation.

11. **To select or deselect a product for No Install, Default Install, or Custom Install, type the number (`0-2`) that corresponds to the product you are considering. You can press the Enter key to accept the Default installation for all products.**

Note – The default selection Solaris patches for Forte Developer software installs the patches. If you have previously installed patches, installing the default patches does not downgrade your system. For more information on patches, see the `README` files in the Patch directory.

---

12. **Select the type of installation you want for that product.**
    - For no installation, type **`1`**. No installation deselects a product and the product is not installed.
    - For default installation, type **`2`**. Default installation installs all components and online documentation associated with that product.
    - For custom installation, type **`3`**. Custom installation allows you to select the components of that product you want to install. (Step 15 includes custom installation.)

13. **To select or deselect another product for installation, return to Step 11. Select Done when you are finished.**

14. **Before you can proceed, you must specify a location for installation.**

Note – The installer allows you to install multiple products in one location only on the same system.

    - If you want to install in the default directory, `/opt`, press Return.
    - If you want to select another directory, enter the name of the new directory.

15. **If you selected custom installation for a product in Step 12, continue to Step a. If you selected a default selection, continue with Step 16.**

    a. **Select or deselect a component for installation by entering the number corresponding to the component, and press Return.**

    b. **When finished, type `0` and press Return.**

16. **Select Early Access to generate an Early Access Serial Number.**

Note – If you previously have installed an Early Access serial number in your product tree, the Enter Serial Number pane does not appear.

After generating a serial number, the installer checks for disk space and warns you if you have insufficient disk space.

Note – If you install the product in a directory named `home`*foo*, the installer warns you of insufficient disk space. You can ignore the message and continue with installation.

17. A list of products and components will be shown for verification.

- Type **`1`** if you want to proceed with installation.
- Type **`2`** if you want to start over from Step 11.
- Type **`3`** if you want to exit installation.

18. If you typed `1` to proceed with installation, a progress indicator appears.

a. When installation is complete, you can view a product's log file by typing the number corresponding to that product.

b. When finished viewing the log files, type the number corresponding to `Done`.

19. If you performed a remote installation, follow these steps (if you did not perform a remote installation, go to Step 20):

- For a type one remote installation:

a. On the target machine, disable client access by typing the following:

```
% /usr/openwin/bin/xhost - source-machine-name
```

b. Exit from superuser privileges on the source machine by typing:

```
# exit
```

c. Go to Step 20.

- For a type two remote installation:

a. On the target machine, unmount the /*install* directory by typing the following:

```
# umount /install
```

b. Go to Step 20.

20. **Exit from superuser privileges by typing:**

```
# exit
```

21. **Disable client access by typing the following:**

```
% /usr/openwin/bin/xhost - target-machine-name
```

22. **Review html versions of the `readme` files located in `/opt/SUNWspro/docs/index.html` for specific information on new features, problems and workarounds, documentation errors, and software corrections. Text versions of the `readme` files are located at `/opt/SUNWspro/READMEs`**

23. **Set your `PATH` and `MANPATH` variables. See "Changing PATH and MANPATH Variables" on page 23**

Batch Installation

You can install the Forte Developer 7 software, Sun Performance Library 7 software, or Forte Developer 7 Source Distribution software with the batch installer for a default installation.

Follow the instructions below for batch installation:

1. **Pick a local or remote installation method.**

   To help you decide, see "Local or Remote Installation" on page 6. Then continue with Step 2.

2. **Enable client access by typing in a separate shell window:**

```
% xhost +
```

3. **If you have not done so, from the download directory, uncompress and extract the contents of the downloaded file by typing:**

```
% gunzip -c *.gz | tar xvf -
```

4. **To recover disk space, remove the downloaded tar file by typing:**

```
% rm -rf downloaded-file.tar
```

5. **Go to the directory that was created when you untarred the downloaded file. For example, if the file you untarred is** `Forte_Developer_for_Solaris_SPARC.tar`**, then type the following:**

```
% cd Forte_SE
```

6. **If you are not currently superuser, become a superuser (root) by typing:**

```
% su
Password: root-password
```

The following command can be used to run the batch installer

```
batch_installer [-s serial_number|-t|-n] [-d dirname] [-R root_path] [-h]
```

See TABLE 2-1 for the options that are available for the `batch_installer` command.

TABLE 2-1 `batch_installer` options and option descriptions

Option Name	Option Description
`-s` *serial_number*	Specifies the permanent serial number
`-t`	Generates a 30-day trial serial number
`-n`	Uses no serial number. When you use this option, the installer assumes that a serial number was installed in a previous installation.
`-d` *dirname*	Installs in directory *dirname*
`-R` *root_path*	Specifies the absolute path for the root system and product
`-h`	Displays usage

The `batch_installer` command and the options can be used in the following scenarios shown in TABLE 2-2:

TABLE 2-2 Installation scenarios using the `batch_installer` command and options

Scenario	Command typed at the prompt
Install with a trial license key in the default directory	`#./batch_installer -t`
Install with a trial license key in a different directory	`#./batch_installer -t -d` */dirname*
Install with no license key in the default directory. You receive an error message if no serial number is found.	`#./batch_installer -n`
Install with no license key in a nondefault directory	`#./batch_installer -n -d` */dirname*
Install and change the root installation with a trial license key	`#./batch_installer -R /a/opt -t`

7. **Choose the appropriate installation scenario from** TABLE 2-2 **to run the** `batch_installer` **command. For example, using the options to generate the 30-day trial serial number and to install in the default directory, type the following:**

```
# ./batch_installer -t -d /opt
```

8. **After reading the Binary Software Evaluation Agreement, type** `I agree` **at the prompt, and press Enter to continue.**

   If you type **`I do not agree`**, you cannot continue with installation.

   After accepting the Binary Software Evaluation Agreement, the installer checks for adequate disk space. The installer proceeds with installation, and the prompt returns when installation is complete.

9. **If you performed a remote installation, follow these steps (if you did not perform a remote installation, skip to Step 10):**

   - For a type one remote installation:

   a. On the target machine, disable client access by typing the following:

```
% /usr/openwin/bin/xhost - source-machine-name
```

b. Exit from superuser privileges on the source machine by typing:

```
# exit
```

c. Go to Step 10.

- For a type two remote installation:

a. On the target machine, unmount the /*install* directory by typing the following:

```
# umount /install
```

b. Go to Step 10.

10. Exit from superuser privileges by typing:

```
# exit
```

11. Disable client access by typing the following:

```
% /usr/openwin/bin/xhost - target-machine-name
```

12. Review html versions of the `readme` files located in `/opt/SUNWspro/docs/index.html` for specific information on new features, problems and workarounds, documentation errors, and software corrections. Text versions of the `readme` files are located at `/opt/SUNWspro/READMEs`.

13. Set your `PATH` and `MANPATH` variables. See "Changing PATH and MANPATH Variables" on page 23

Installing Sun Performance Library 7 software and Forte Developer 7 Source Distribution Software

The Sun Performance Library 7 software or Forte Developer 7 Source Distribution software are available as separate downloads. To install the Sun Performance Library 7 software or Forte Developer 7 Source Distribution software, download the files from `http://access1.sun.com/fortedevprod/fd7compilers`, and follow the instructions in "Software Installation Steps" on page 6. To use the installation instructions, you must substitute the Sun Performance Library 7 software or Forte

Developer 7 Source Distribution software downloaded file names for any file names used as examples in the installation instructions. You do not have to install a serial number for these products.

Note – You must install the Sun Performance Library 7 software and Forte Developer 7 Source Distribution software in the same directory that you used for the Forte Developer software installation.

Changing PATH and MANPATH Variables

Because the Forte Developer software product components and man pages do not install into the system `/usr/bin/` and `/usr/share/man` directories, you must change your `PATH` and `MANPATH` environment variables to enable access to the Forte Developer software.

Note – The paths shown in this section assume that Forte Developer packages have been installed in the standard `/opt` directory. If you have indicated another installation directory when you started the software, replace `/opt` in the examples with the installation path you have selected.

The `PATH` and `MANPATH` variables should be set in your home `.cshrc` file if you are using the C shell, or your home `.profile` file if you are using the Bourne or Korn shells.

Note – The path`/opt/SUNWspro/bin` is new for Forte Developer 7 software. For backward compatibility with earlier releases, symbolic links have been created so that it is not necessary for you to change your existing `PATH` and `MANPATH`.

- To invoke the Forte Developer software commands, you need to add `/opt/SUNWspro/bin` to your `PATH` environment variable.
- To access Forte Developer software man pages with the `man` command, you need to add `/opt/SUNWspro/man` to your `MANPATH` environment variable.

SunOS™ man pages `csh`(1), `sh`(1), and `ksh`(1) describe the `PATH` variable for the C, Bourne, and Korn shells. The `man`(1) man page describes the `MANPATH` variable.

You can display the current value of PATH to determine if you need to set your PATH variable to locate Forte Developer commands. If the command

```
% echo $PATH
```

displays a string of paths containing

```
/opt/SUNWspro/bin/
```

you do not need to set your PATH variable because it is already set. (/opt may be replaced by an alternative install path.)

You can determine if you need to set your MANPATH variable by requesting the fortedev(1) man page. If the man fortedev command is not able to find the fortedev(1) man page, or if the page displayed is not for the version of the software just installed, you do not have the MANPATH variable set correctly.

The discussion that follows shows how to permanently add these paths to the appropriate environment variables so that all Forte Developer 7 components are always available. These commands can also be entered at a shell prompt to temporarily enable only that shell.

1. **Add Forte Developer software to your PATH and MANPATH variables.**

Note – The PATH and MANPATH variables must be set to include Forte Developer software in each user's environment for users to access the installed software.

- If you are using the C shell (`csh`), first determine if your `MANPATH` variable is already set. At a shell prompt, type the command:

```
% echo $MANPATH
```

If the response is "Undefined variable" (C shell) or an empty line (Bourne/Korn shell), the `MANPATH` variable is not set. If paths to one or more man directories are displayed, the variable is set.

Now edit the `.cshrc` file in your home directory and add the following line at the end of the file:

```
set path=(/opt/SUNWspro/bin  $path)
```

If the `MANPATH` variable is not already set, add the following line:

```
setenv MANPATH /opt/SUNWspro/man:/usr/share/man
```

If the `MANPATH` variable is already set, add the following line instead:

```
setenv MANPATH /opt/SUNWspro/man:$MANPATH
```

- If you are using the Bourne or Korn shells (`sh` or `ksh`), edit the `.profile` file in your home directory and add the following lines:

```
PATH=/opt/SUNWspro/bin${PATH:+:}${PATH}
MANPATH= /opt/SUNWspro/man: ${MANPATH:=/usr/share/man}
```

There should not be any blanks in these two lines.

2. **Save the `.cshrc` or `.profile` file that you modified in step 1.**
3. **Reinitialize your shell by executing the following command:**
   - For the C shell, type:

```
source ~/.cshrc
```

- For the Bourne or Korn shell, type:

```
. ~/.profile
```

You are now ready to use your Forte Developer software.

CHAPTER 3

Uninstalling Software

This chapter describes how to uninstall software products and patches that are installed on your system.

Uninstalling With the Uninstaller

When you have successfully installed your software, an uninstaller is automatically generated. There are three ways to use this uninstaller to remove the Forte™ Developer 7 software:

- Using the uninstaller GUI
- Using the command line uninstaller
- Using the batch-mode uninstaller, if you performed a batch installation

The uninstall file name examples used in these uninstall instructions are for the Forte Developer 7 software. TABLE 3-1 shows the software name and the `.class` uninstall file names that you use to uninstall the software.

TABLE 3-1 Software names and the uninstall `.class` file names for the software

Software Name	Uninstall `.class` File Names
Forte Developer 7 software	`uninstall_Forte_Developer_7_SPARC.class`
Solaris Patches installed with Forte Developer 7 software	`uninstall_Solaris_patches_for_Forte_Developer_7.class`
Sun Performance Library 7	`uninstall_Sun_Performance_Library_7.class`
Forte Developer 7 Source Distribution	`uninstall_Forte_Developer_7_Source_Distribution.class`

Local or Remote Uninstallation

You can uninstall the software products on a local system or remote system. For a local uninstallation, continue to "Using the Graphical User Interface Uninstaller" on page 29, "Using the Command-Line Uninstaller" on page 30, or "Using the Batch-Mode Uninstaller" on page 31.

For a remote uninstallation, do the following:

1. **On the target machine, enable client access to the X server by typing the following at a command line:**

```
% /usr/openwin/bin/xhost + source-machine-name
```

Replace *source-machine-name* with the output of the `/usr/bin/hostname` command entered on the source machine.

2. **Log in to the source machine and become a superuser (root) by typing:**

```
% rlogin source-machine-name -l root
Password: root-password
```

3. **Set your display to the monitor you are using.**

If you use the C shell, type:

```
# setenv DISPLAY hostname:0
```

If you use the Bourne shell, type:

```
# DISPLAY=hostname:0
# export DISPLAY
```

If you use the Korn shell, type:

```
# export DISPLAY=hostname:0
```

Replace *hostname* with the output of the `/usr/bin/hostname` command on the target machine.

4. **Continue to "Using the Graphical User Interface Uninstaller" on page 32, "Using the Command-Line Uninstaller" on page 35, or "Using the Batch Uninstaller" on page 36.**

Using the Graphical User Interface Uninstaller

To run the uninstaller, follow these steps:

1. **Enable client access by typing in a separate shell window:**

```
% xhost +
```

2. **If you have not already done so, become a superuser (root) by typing:**

```
% su
Password: root-password
```

3. **Go to the product directory, inserting the appropriate uninstall directory name for *com.sun.forte_developer_7*, by typing:**

```
# cd /var/sadm/prod/com.sun.forte_developer_7
```

4. **To run the uninstall GUI, type the following and inserting the appropriate uninstall file name for Forte_Developer_7_SPARC:**

```
# /usr/bin/java uninstall_Forte_Developer_7_SPARC
```

Note – Do not include the `.class` extension when you type the command.

---

5. **Go to step Step 6.**

   The uninstall Welcome pane appears. The first window shows you which product will be uninstalled.

6. **In the Uninstall Welcome pane, click Next to continue.**

7. **In the Ready to Uninstall pane, click Uninstall Now.**

8. **Click Exit to quit the uninstaller.**

9. **If you performed a remote uninstallation, follow these steps (if you did not perform a remote uninstallation, skip to Step 10):**

   a. On the target machine, disable client access by typing the following:

```
% /usr/openwin/bin/xhost - source-machine-name
```

   b. Exit from superuser privileges on the source machine by typing:

```
# exit
```

10. **Exit from superuser privileges on the target machine by typing:**

```
# exit
```

Using the Command-Line Uninstaller

To remove software products with the command-line uninstaller, follow these steps:

1. **Decide if you want to do a local or remote uninstallation. See "Local or Remote Uninstallation" on page 28 for more information.**
2. **If you have not done so, become a superuser (root) by typing:**

```
% su
Password: root-password
```

3. **Go to the product directory by typing:**

```
# cd /var/sadm/prod/com.sun.forte_developer_7
```

4. **Type the following to run the command-line uninstaller, inserting the appropriate uninstall file name for** *Forte_Developer_7_SPARC***:**

```
# /usr/bin/java uninstall_Forte_Developer_7_SPARC -nodisplay
```

Note – Do not include the `.class` extension when you type the command.

The first line shows you what product will be uninstalled.

5. **Press Return to continue.**
6. **For a full uninstallation, type `1`.**

   All components are automatically removed.
7. **If you proceed with uninstallation, a progress indicator appears.**

   When uninstallation is complete, you will have the option to view the product's log file by typing its corresponding number. When finished, type the number corresponding to done.
8. **Type `Exit` to quit the uninstaller.**
9. **If you performed a remote uninstallation, follow these steps (if you did not perform a remote uninstallation, skip to Step 10):**

   a. On the target machine, disable client access by typing the following:

   ```
   % /usr/openwin/bin/xhost - source-machine-name
   ```

   b. Exit from superuser privileges on the source machine by typing:

   ```
   # exit
   ```
10. **Exit from superuser privileges on the target machine by typing:**

    ```
    # exit
    ```

Using the Batch-Mode Uninstaller

To remove software products with the batch-mode uninstaller, follow these steps:

1. **Decide if you want to do a local or remote uninstallation. See "Local or Remote Uninstallation" on page 28 for more information.**

2. **If you have not done so, become a superuser (root) by typing:**

```
% su
Password: root-password
```

3. **Go to the product directory, inserting the appropriate directory name for** *com.sun.forte_developer_7,* **by typing:**

```
# cd /var/sadm/prod/com.sun.forte_developer_7
```

4. **Type the following to run the batch uninstaller, inserting the appropriate uninstall file name for** *Forte_Developer_7_SPARC***:**

```
# /usr/bin/java uninstall_Forte_Developer_7_SPARC -nodisplay -noconsole
```

Note – Do not include the `.class` extension when you type the command.

---

5. **Press Return to continue.**

   The batch uninstaller removes the product. When it is finished with the uninstallation, the prompt returns.

6. **If you performed a remote uninstallation, follow these steps (if you did not perform a remote uninstallation, skip to Step 7):**

   a. **On the target machine, disable client access by typing the following:**

```
% /usr/openwin/bin/xhost - source-machine-name
```

   b. **Exit from superuser privileges on the source machine by typing:**

```
# exit
```

7. **Exit from superuser privileges on the target machine by typing:**

```
# exit
```

CHAPTER 4

Troubleshooting

This chapter describes problems that can occur during Forte Developer software installation.

How to Identify a Failed Installation Using the Solaris Product Registry Tool

If some packages were not properly installed during installation, you will have problems using the Forte™ Developer 7 software. To verify if all packages were installed properly, follow these instructions:

1. **Open the Solaris Product Registry tool by typing:**

```
% /usr/bin/prodreg&
```

2. **In the left column of the tool, look at the list under the heading Registered Software. If you see a yellow triangle adjacent to the product name, then the product was not installed properly.**
3. **Select the product name, and then click the Uninstall button. The Uninstall Failed... dialog box opens.**
4. **Read the message in the box, and then click OK if you want to uninstall the product. The Interactive Uninstall dialog box opens.**
5. **Follow the instructions in the subsequent dialog boxes until uninstallation is completed.**

   Once the uninstallation is complete, you can reinstall the product software. See Chapter 2 for product installation instructions.

APPENDIX **A**

Forte Developer 7 Components and Packages

This appendix provides information about the Forte™ Developer 7 components available for software development and the feature and package names for each product.

TABLE A-1 lists the Forte Developer product package component and metacluster configuration information for the Solaris™ Operating Environment (*SPARC® Platform Edition).*

TABLE A-2 lists the Forte Developer product package component and configuration information for the Solaris *SPARC Platform Edition*.

TABLE A-3 lists the Forte Developer product package component and metacluster configuration information for the Solaris™ Operating Environment (*Intel Platform Edition).*

TABLE A-4 lists the Forte Developer product package component and configuration information for the Solaris *Intel Platform Edition*.

TABLE A-1 Forte Developer product package metacluster components for the Solaris *SPARC Platform Edition*

Description	Component	Metacluster Configuration
Forte Developer 7 Compilers SPROMCPL	Forte Developer 7 Compilers C	SPROCC
	Forte Developer 7 Compilers C++	SPROCCC
	Forte Developer Compilers Fortran	SPROCFOR
	Forte Developer Compilers Fortran 95 with Legacy Libraries	SPROCFORL
	Forte Developer 7 Inventory Files	SPROCFD
Forte Developer 7 Tools SPROMTOOL	Forte Developer LockLint, Product Software	SPROCLKLT
	Forte Developer 7 DBX Debugging Tools	SPROCDBX
	Forte Developer 7 Memory Monitor	SPROCLGC
	Forte Developer 7 Performance Analyzer	SPROCPRFA
	Forte Developer 7 Building Software	SPROCBLD
Forte Developer 7 Documentation Set SPROMDOCS	Forte Developer 7	SPROCDOCS
Sun Performance Library 7 SPROMPLIB	Forte Developer 7 Performance Libraries	SPROCPERF
Forte Developer 7 Source Distribution SPROMSRC	Dwarf Library	DWSRC
	Red-Black Tree Library	RDBLKSRC
	Forte Developer 7 STLPort	STLSRC

TABLE A-2 Forte Developer product package components for Solaris *SPARC Platform Edition*

Component	Description	Package Lists
Forte Developer 7 Compilers C SPROCC	Common components	SPROLANG
	Forte Developer incremental linker	SPROILD
	Compilers C	SPROcc
	Common tools	SPROutool
	Man pages/online information for C	SPROmrcc
	Common compiler man pages/online information	SPROmrcom
	C9X Math Library	SPROM9XS
	Man pages/Online information for source browser	SPROmrsbe
	Source browser	SPROsbe
	Sunmath library	SPROSM
Compilers C+ SPROCPL	Compiler C++	SPROcpl
	C++ Libraries (64-bit)	SPROcplx
Forte Developer 7 Compilers C++ SPROCCC	Common components	SPROLANG
	Incremental linker	SPROILD
	Compilers C++	SPROCPL
	Common tools	SPROutool
	Man pages/online information for C	SPROmrcc
	Common compiler man pages/online information	SPROmrcom
	C9X Math Library	SPROM9XS
	Man pages/Online information for source browser	SPROmrsbe
	Source browser	SPROsbe
	STLPort	SPROSTLPORT
	C++ Complex Library	SPROcmpl
	Man pages/Online information for C++	SPROmrcpl
	Tools.h++ 7.1	SPROTL7
	Forte Developer Standard Library for C++	SPROSCL

TABLE A-2 Forte Developer product package components for Solaris *SPARC Platform Edition*

Component	Description	Package Lists
Forte Developer Compilers Common Components SPROLANG	Common components	SPROlang
	Common components (64-bit)	SPROlangx
	Linker stab library	SPROsbld
	Linker stab library (64-bit)	SPROsbldx
	Unbundled shared libcx	SPROlcxs
	Dwarf support library	SPROdwrfb
	Red-Black tree library	SPROrdbkb
	Dwarf support library 64-bit	SPROdwrfx
	Red-Black tree library V9	SPROrdbkx
Forte Developer Standard Library for C++ SPROSCL	Standard Class Library for C++	SPROscl
	Standard Class Library for C++ (64-bit)	SPROsclx
	Standard Class Library man pages for C++	SPROmrstd
Forte Developer Tools.h++ 7.1 SPROTL7	Tools.h++ 7.1 Class Library for C++	SPROtlbn7
	Tools.h++ 7.1 Class Library for C++	SPROtll7
	Tools.h++ 7.1 Class Library for C++ (64-bit)	SPROtl7x
	Tools.h++ 7.1 Class Library for C++ (64-bit)	SPROtll7x
Forte Developer Incremental Linker SPROILD	Incremental Linker	SPROild
	Incremental Linker 64-bit	SPROildx
Forte Developer C9X Math Library SPROM9XS	C9X Math Library	SPROm9xs
	C9X Math Library (64-bit)	SPROm9xsx
	C9X Math Library Profiled (64-bit)	SPROm9xpx
Forte Developer Sunmath Library SPROSM	libsunmath shared/profiled (64-bit)	SPROsmpx
	libsunmath shared (64-bit)	SPROsmsx
	Unbundled shared libsunmath	SPROsunms
STLport, Source Distribution STLSRC	STLPort version 4 source	SPROstl4h

TABLE A-2 Forte Developer product package components for Solaris *SPARC Platform Edition*

Component	Description	Package Lists
Forte Developer STLPort SPROSTLPORT	STLPort version 4 static library	SPROstl4a
	STLPort version 4 source	SPROstl4h
	STLPort version 4 dynamic library	SPROstl4o
	STLPort version 4 dynamic library (64-bit)	SPROstl4x
	STLPort version 4 dynamic library (64-bit)	SPROstl4y
Forte Developer Compilers Fortran Cluster SPROCFOR}	Compiler FORTRAN 77 Tools	SPROftool
	Forte Developer Incremental Linker	SPROILD
	Common components	SPROLANG
	Compiler Fortran 95 libraries	SPROLIB90
	Compiler Fortran 90	SPROf90
	Common tools	SPROutool
	Man pages and online information for Fortran 95	SPROmrf90
	Common compiler man pages/online information	SPROmrcom
	C9X Math Library	SPROM9XS
	Sunmath library	SPROSM
	Man pages/Online information for source browser	SPROmrsbe
	Source browser	SPROsbe
Forte Developer Compilers Fortran 95 Libraries SPROLIB90	Fortran 95 static libraries	SUNWl90
	Fortran 95 dynamic libraries	SUNWl90s
	Fortran 95 dynamic libraries (64-bit)	SPROl90sx
	Fortran 95 static libraries (64-bit)	SPROl90x

TABLE A-2 Forte Developer product package components for Solaris *SPARC Platform Edition*

Component	Description	Package Lists
Forte Developer Compilers Fortran 95 with Legacy Libraries SPROCFORL	Compiler FORTRAN 77 Tools	SPROftool
	Common components	SPROLANG
	FORTRAN 77 dynamic libraries (64-bit)	SPROl77s
	FORTRAN 77 dynamic libraries (64-bit)	SPROl77sx
	Compilers Fortran 95 libraries	SPROLIB90
	Compiler Fortran 90	SPROf90
	Forte Developer incremental linker	SPROILD
	Common tools	SPROutool
	Man pages and online information for Fortran 95	SPROmrf90
	Common compiler man pages/online information	SPROmrcom
	C9X Math Library	SPROM9XS
	Sunmath library	SPROSM
	Man pages/Online information for source browser	SPROmrsbe
	Source browser	SPROsbe
Forte Developer LockLint, Product Software SPROCLKLT	Locklint software	SPROlklnt
	Man pages and online information	SPROmrmp
Forte Developer DBX Debugging Tools SPROCDBX	Debugging tools	SPROdbx
	Debugging tools (64-bit)	SPROdbxx
	Man pages and online information for dbx	SPROmrdbx
	Debugging tools	SPROjdbx
	Debugging tools (64-bit)	SPROjdbxx
Forte Developer 7 Building Software SPROCBLD	Common compiler man pages/online information	SPROmrcom
	Distributed make	SPROdmake
Forte Developer 7 Inventory Files SPROCFD	Inventory files	SPROfd
DwarfLibrary, Source Distribution DWSRC	Dwarf library	SPROdwrfs

TABLE A-2 Forte Developer product package components for Solaris *SPARC Platform Edition*

Component	Description	Package Lists
RDBLKS, Source Distribution RDBLKS	Red-Black tree library	SPROrdbkb
Sun PerfLib Archive Libraries SPROPL	Performance Library 32-bit (Archive/MT)	SPROplm
	Performance Library 64-bit (Archive/MT)	SPROplmx
	Performance Library 32-bit (Archive)	SPROpl
	Performance Library 64-bit (Archive)	SPROplx
Sun PerfLib Shared LIbraries SPROPLS	Performance Library 32-bit (Shared/MT)	SPROplms
	Performance Library 64-bit (Shared/MT)	SPROplmsx
	Performance Library 32-bit (Shared)	SPROpls
	Performance Library 64-bit (Shared)	SPROplsx
Forte Developer Garbage Collector SPROLGC	Memory monitor library for C++	SPROgc
	Memory monitor library 1.0 for C++	SPROlgc
	Memory monitor man pages for C++	SPROmrgc
Forte Developer Garbage Collector 64-bit Library 1.0 SPROLGCX	Memory monitor library for C++	SPROgcx
	Memory monitor library 1.0 for C++	SPROlgcx
Forte Developer Garbage Collector Cluster SPROCLGC	Forte Developer Garbage Collector	SPROLGC
	Forte Developer Garbage Collector 64-bit Library 1.0	SPROLGCX
Sun Performance Library SPROCPERF	Common components	SPROLANG
	Compiler Fortran 95 libraries	SPROLIB90
	Sun Performance Library man pages	SPROmrpl
	Performance Library common components	SPROplg
	Unbundled shared libsunmath	SPROsunms
	libsunmath shared (64-bit)	SPROsmsx
	Sun perflib archive libraries	SPROPL
	Sun perfLib shared libraries	SPROPLS

TABLE A-2 Forte Developer product package components for Solaris *SPARC Platform Edition*

Component	Description	Package Lists
Forte Developer Performance Analyzer SPROCPRFA	Man pages and online information for Performance Analyzer	SPROmrpan
	Performance Analyzer	SPROprfan
	Performance Analyzer (64-bit)	SPROprfax
Forte Developer Documentation Set SPROCDOCS	Copyright and images	SPROhtbas
	Release notes	SPROhtrel
	Tools.h++ 7.1 documentation	SPROhttl7
	Standard library C++ documentation	SPROhtstd
	Visual documentation	SPROhtvis
	Installation documentation	SPROhtins
	Fortran documentation	SPROhtftn
	C compilers documentation	SPROhtcc
	Common tools documentation	SPROhtcom
	C++ compilers	SPROhtcpl
	OpenMP API user's guide	SPROhtomp
	Performance library documentation	SPROhtpl

TABLE A-3 Forte Developer Product Package Metacluster Components for the Solaris *Intel Platform Edition*

Description	Component	Metacluster Configuration
Forte Developer 7 Compilers SPROMCPL	Forte Developer 7 Compilers C	SPROCC
	Forte Developer 7 Compilers C++	SPROCCC
	Forte Developer 7 Inventory Files	SPROCFD
Forte Developer 7 Tools SPROMTOOL	Forte Developer 7 DBX Debugging Tools	SPROCDBX
	Forte Developer 7 Memory Monitor	SPROCLGC
	Forte Developer 7 Performance Analyzer	SPROCPRFA
	Forte Developer 7 Building Software	SPROCBLD
Forte Developer 7 Documentation Set SPROMDOCS	Forte Developer 7	SPROCDOCS
Forte Developer 7 Source Distribution SPROMSRC	Dwarf Library	DWSRC
	Red-Black Tree Library	RDBLKSRC
	Forte Developer 7 STLPort	STLSRC

TABLE A-4 Forte Developer product package components for Solaris *SPARC Platform Edition*

Component	Description	Package Lists
Forte Developer 7 Compilers C SPROCC	Common components	SPROLANG
	Forte Developer incremental linker	SPROILD
	Compilers C	SPROcc
	Common tools	SPROutool
	Man pages/online information for C	SPROmrcc
	Common compiler man pages/online information	SPROmrcom
	C9X Math Library	SPROM9XS
	Man pages/Online information for source browser	SPROmrsbe
	Source browser	SPROsbe
	Sunmath library	SPROSM
Compilers C++ SPROCPL	Compiler C++	SPROcpl
Forte Developer 7 Compilers C++ SPROCCC	Common components	SPROLANG
	Incremental linker	SPROILD
	Compilers C++	SPROCPL
	Common tools	SPROutool
	Man pages/online information for C	SPROmrcc
	Common compiler man pages/online information	SPROmrcom
	C9X Math Library	SPROM9XS
	Man pages/Online information for source browser	SPROmrsbe
	Source browser	SPROsbe
	STLPort	SPROSTLPORT
	C++ Complex Library	SPROcmpl
	Man pages/Online information for C++	SPROmrcpl
	Tools.h++ 7.1	SPROTL7
	Forte Developer Standard Library for C++	SPROSCL

TABLE A-4 Forte Developer product package components for Solaris *SPARC Platform Edition*

Component	Description	Package Lists
Forte Developer Compilers Common Components	Common components	SPROlang
	Linker stab library	SPROsbld
	Dwarf support library	SPROdwrfb
		SPROrdbkx
Forte Developer Standard Library for C++ SPROSCL	Standard Class Library for C++	SPROscl
	Standard Class Library man pages for C++	SPROmrstd
Forte Developer Tools.h++ 7.1 SPROTL7	Tools.h++ 7.1 Class Library for C++	SPROtlbn7
	Tools.h++ 7.1 Class Library for C++	SPROtll7
Forte Developer Incremental Linker SPROILD	Incremental Linker	SPROild
Forte Developer C9X Math Library SPROM9XS	C9X Math Library	SPROm9xs
Forte Developer Sunmath Library SPROSM	Unbundled shared libsunmath	SPROsunms
STLport, Source Distribution STLSRC	STLPort version 4 source	SPROstl4h
Forte Developer STLPort SPROSTLPORT	STLPort version 4 static library	SPROstl4a
	STLPort version 4 source	SPROstl4h
	STLPort version 4 dynamic library	SPROstl4o
Forte Developer DBX Debugging Tools SPROCDBX	Debugging tools	SPROdbx
	Man pages and online information for dbx	SPROmrdbx
	Debugging tools	SPROjdbx
Forte Developer 7 Building Software SPROCBLD	Common compiler man pages/online information	SPROmrcom
	Distributed make	SPROdmake
Forte Developer 7 Inventory Files SPROCFD	Inventory files	SPROfd

TABLE A-4 Forte Developer product package components for Solaris *SPARC Platform Edition*

Component	Description	Package Lists
DwarfLibrary, Source Distribution DWSRC	Dwarf library	SPROdwrfs
RDBLKS, Source Distribution RDBLKS	Red-Black tree library	SPROrdbkb
Forte Developer Garbage Collector SPROLGC	Memory monitor library for C++	SPROgc
	Memory monitor library 1.0 for C++	SPROlgc
	Memory monitor man pages for C++	SPROmrgc
Forte Developer Garbage Collector Cluster SPROCLGC	Forte Developer Garbage Collector	SPROLGC
Forte Developer Performance Analyzer SPROCPRFA	Man pages and online information for Performance Analyzer	SPROmrpan
	Performance Analyzer	SPROprfan
Forte Developer Documentation Set SPROCDOCS	Copyright and images	SPROhtbas
	Release notes	SPROhtrel
	Tools.h++ 7.1 documentation	SPROhttl7
	Standard library C++ documentation	SPROhtstd
	Visual documentation	SPROhtvis
	Installation documentation	SPROhtins
	C compilers documentation	SPROhtcc
	Common tools documentation	SPROhtcom
	C++ compilers	SPROhtcpl

APPENDIX **B**

Solaris Patch Identifications and Descriptions

This appendix provides the Solaris™ Operating Environment patch identification numbers and descriptions of the patches included with the Forte Developer™ 7 software installation.

TABLE B-1 lists the Solaris patch identification numbers and description for the Solaris™ 7 Operating Environment (*SPARC® Platform Edition)*.

TABLE B-2 lists the Solaris patch identification numbers and description for the Solaris™ 8 Operating Environment (*SPARC® Platform Edition).*

TABLE B-3 lists the Solaris patch identification numbers and description for the Solaris 7 *Intel Platform Edition.*

TABLE B-4 lists the Solaris patch identification numbers and description for the Solaris 8 *Intel Platform Edition.*

TABLE B-1 Patch identifications and descriptions that are installed with the Forte Developer 7 software for Solaris 7 *SPARC Platform Edition*

Patch Identification Number	Patch Description
106950-16	Linker
106327-11	Solaris 7 libC sparc

TABLE B-2 Patch identifications and descriptions that are installed with Forte Develoepr 7 software for Solaris 8 *SPARC Platform Edition*

Patch Identification Number	Patch Description
109147-07	Solaris 8 interprocedural optimizer
108434-04	Solaris 8 libC sparc

TABLE B-3 Patch identifications and descriptions that are installed with Forte Develoepr 7 software for Solaris 7 *Intel Platform Edition*

Patch Identification Number	Patch Description
106951-16	Solaris 7 interprocedural optimizer
106328-11	Solaris 7 libC intel

TABLE B-4 Patch identifications and descriptions that are installed with Forte Develoepr 7 software for Solaris 8 *Intel Platform Edition*

Patch Identification Number	Patch Description
109148-14	Solaris 8 interprocedural optimizer
108436-04	V9 libC

Glossary

application server A machine on which the software is installed.

Early Access serial number A number you generate with the installer during installation. The number allows you to use the software free of charge for a limited period of time.

installation directory The directory where you decide to install Forte Developer products and licenses. The default is `/opt`.

local installation Where you perform the installation on the machine with the CD-ROM drive where you loaded the product CD and install the product software on that same machine; where you download the product software and install the product software on the same machine. In a local installation, the source computer and the target computer are the same machine. See *source computer* and *target computer*.

package dependency The dependence of one package on the installation of other packages. For example, if you install a compiler, you must also install the backend component, header file, and front-end component packages.

product server See *application server*.

remote installation Where you perform the installation or download the product software on one machine (source computer) and install the software on another machine (target computer). See *source computer* and *target computer*.

source computer The machine used to install the product software. See also *local installation*, *remote installation*, and *source computer*.

target computer The machine with the CD-ROM drive where you loaded the product CD; the machine where you downloaded the product software. See also *local installation*, *remote installation*, and *target computer*.

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