Forte Express Installation Guide

Release 2.5 of Forte™ Express

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Part No. 806-6676-01
October 2000, Revision A

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Chapter 1

Installing Forte Express

Forte provides a platform-specific installation program to install Forte Express on each Forte node type. The installation programs and the Forte source files they install are included with the Forte Express CD.

This *Express Installation Guide* provides instructions for:

- installing Forte Express Release 2.5 for the first time onto your existing Forte Release 3 installation
- upgrading to Express Release 2.5

Conventions

This manual uses standard Forte documentation conventions in specifying command syntax and in documenting TOOL code.

Command Syntax Conventions

The specifications of command syntax in this manual use a “brackets and braces” format. The following table describes this format:

Format	Description
bold	Bold text is a reserved word; type the word exactly as shown.
italics	Italicized text is a generic term that represents a set of options or values. Substitute an appropriate clause or value where you see italic text.
UPPERCASE	Uppercase text represents a constant. Type uppercase text exactly as shown.
underline	Underlined text represents a default value.
vertical bars |	Vertical bars indicate a mutually exclusive choice between items. See braces and brackets, below.
braces { }	Braces indicate a required clause. When a list of items separated by vertical bars is enclosed in braces, you must enter one of the items from the list. Do not enter the braces or vertical bars.
brackets [ ]	Brackets indicate an optional clause. When a list of items separated by vertical bars is enclosed by brackets, you can either select one item from the list or ignore the entire clause. Do not enter the brackets or vertical bars.
ellipsis …	The item preceding an ellipsis may be repeated one or more times. When a clause in braces is followed by an ellipsis, you can use the clause one or more times. When a clause in brackets is followed by an ellipsis, you can use the clause zero or more times.

Before Installing Forte Express

The Forte Express software comes on the Forte Express CD. You will need a CD-ROM drive accessible to your target installation node to install Express from the CD.

To install Forte Express Release 2.5, you must already have installed Forte System Software Release 3 on your target node. The Express installer programs will not execute on machines without an installation of the Forte Release 3 system software.

For a list of platforms that the Forte system software supports, see the platform matrix at http://www.forte.com/support/platforms.html.

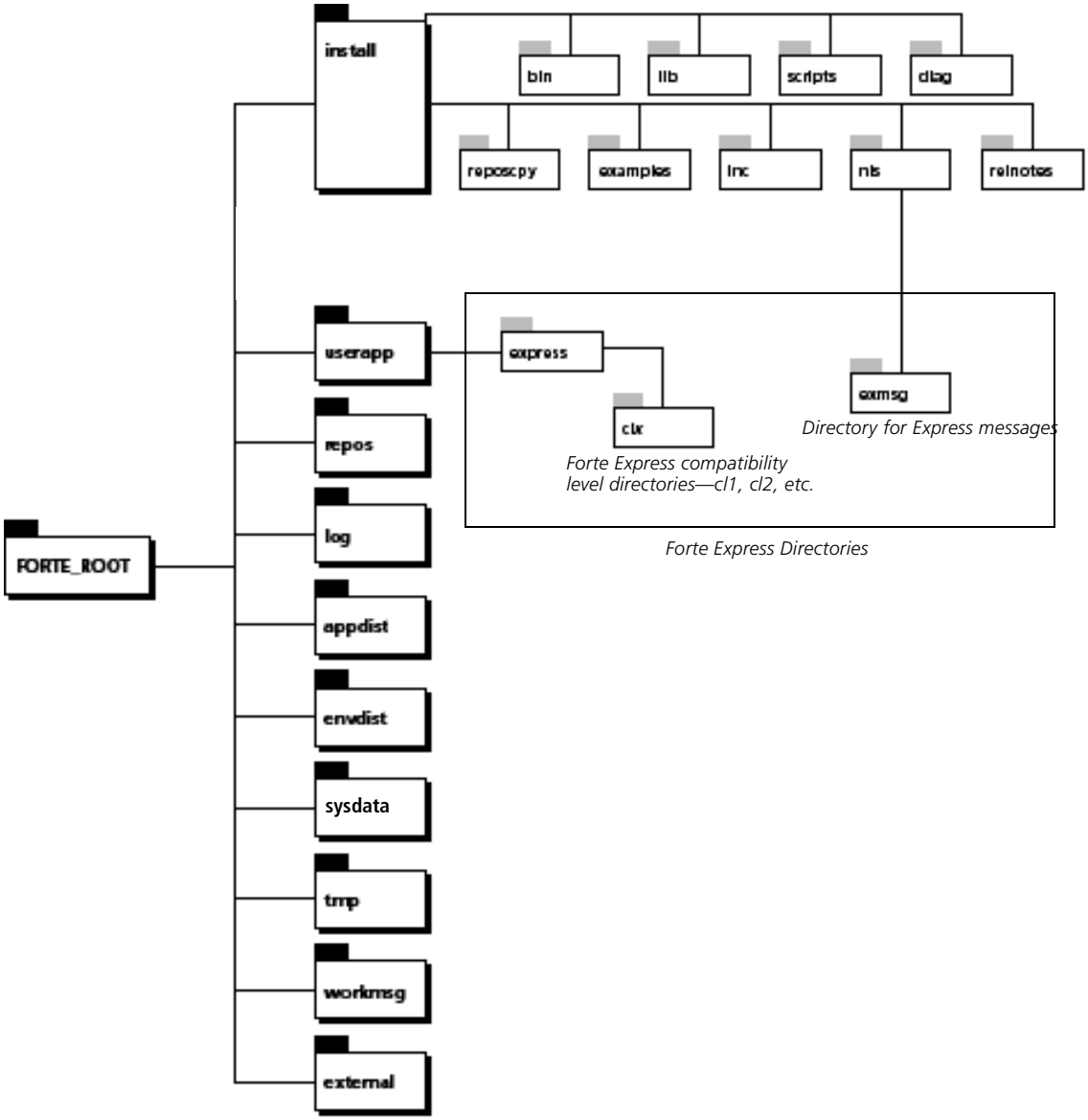
Upgrading

If you are upgrading Express, see "Upgrading Express" on page 11.

Understanding the Forte Express Directory Structure

The figure below shows a typical Forte System Software directory structure. The FORTE_ROOT structure includes a userapp directory, where the Forte Express installer places Forte Express files. In the userapp directory, the Express installer creates an express directory. Within the express directory, the installer creates a cl*x* directory, representing the compatibility level of the Express installation, and containing the Forte Express image repositories.

The Forte Express installer adds a compatibility level directory for each successive version of Forte Express you install, rather than replacing existing directories. This way, you can refer to a prior Express release when necessary. For example, when you install Forte Express for the first time, the installer creates a cl0 directory; when you install a succeeding version of Express, the installer creates a cl1 compatibility level directory, and then a cl2 directory, and so on.



Forte Express Directories

Figure 1 *Typical Forte System Software Directory Structure with Forte Express*

Installing Forte Express for the First Time

You install Forte Express from the Forte Express CD. The Forte Express CD provides the Forte Express software for every platform Forte supports. The CD meets the ISO 9660 standard, meaning that it is readable on UNIX, OpenVMS, and Windows platforms.

The CD contains platform-specific installation programs. Each directory on the Express CD, as shown in Figure 1 on page 8, contains the Forte Express software and installer for its respective platform. The ALL_UNIX directory, for example, contains the Express software and installer for all the UNIX platforms Forte supports.

UNIX

▶ **To install Forte Express on a UNIX node:**

1. Mount the Forte Express CD.
2. Set your current directory to the ALL_UNIX directory on the CD.

   Depending on your platform, the directory or command names may be in upper or lower case.
3. Type the following command.

   ```
   ./exinstal.sh
   ```

   This starts the Express installer for UNIX, which prompts you through the Express installation process.

Windows

▶ **To install Forte Express on a Windows node:**

1. Mount the Forte Express CD.
2. From the Program Manager, select **File** > **Run**.

   This raises the Run dialog box.
3. Type the following command in the Run dialog box and click OK.

   ```
   F:\PC_NT\SETUP
   ```

VAX/OpenVMS or Alpha/OpenVMS

To install Forte Express on a VAX/OpenVMS or an Alpha/OpenVMS node:

1. Mount the Forte Express CD.

   Running the following DCL script will assist with the mount command for the CD-ROM.

```
$! Forte_CD.com:
$!   Mount a Forte software distribution CD-ROM on an
$!   OpenVMS node without specifying the volume name.
$! usage:
$!   @Forte_CD device_name
$! example:
$!   @FORTE_CD DKA600:
$!
$ devnam = f$getdvi(p1,"DEVNAM")
$ mount/noassist/override=identification 'devnam'
$ volume = f$getdvi(devnam,"VOLNAM")
$ dismount 'devnam'
$ mount/system/media=cdrom/undefined_fat=(FIXED:NONE:32256) -
 'devnam' 'EXPRESS' cd
```

2. Start the Forte Express installer, VMSINSTAL, using FTEXP as the saveset name.

   Take the following commands as an example.

for VAX/OpenVMS

```
$ SYS$UPDATE:VMSINSTAL FTEXP CD_ROM_device_name: [VAX_VMS]
```

for Alpha/OpenVMS

```
$ SYS$UPDATE:VMSINSTAL FTEXP CD_ROM_device_name: [AXP_VMS]
```

Upgrading Express

When you conduct an Express installation atop an existing version of Express, the installer upgrades the installation. The Express installer upgrades an Express installation in part by integrating new versions of the following projects into the system baseline of your development repository:

- AppModel
- ExpressDBBrowser
- ExpressDomains
- ExpressServices
- ExpressWindows

Caution To integrate these projects, the installer must check out all the classes in each of the projects listed above. If you have any classes in these projects checked out already, then the upgrade procedure will fail. You must undo the checkouts for all classes in the projects before starting the upgrade procedure.

Starting Forte Express Release 2.5 with Non-Release 2 Projects

You may have Express projects in your workspace that are not Express Release 2.5 projects if:

- you created projects with Forte before purchasing Forte Express
- you created projects with earlier releases of Forte Express

In these cases, you must upgrade your workspace and your repository.

Upgrading Your Repository

▶ **To upgrade your repository:**

1 Start the Express Release 2.5 application.

Express prompts you with the following dialog:

2 Click Yes to tell Express to proceed with the upgrade.

Express then prompts you with another dialog:

3 Click Yes to tell Express to proceed with upgrading the repository.

Progress messages appear until the upgrade is complete.

Updating Your Workspace

If you share with others a repository of Express projects created with earlier releases of Express, and someone in your group has already upgraded it to Release 2.5, you need only update your own workspace.

To determine whether you need to update your workspace:

1. Start the Express Release 2.5 application.
2. Choose the **File > Open Workspace** command.

   If your workspace needs updating, Express prompts you with the following dialog:

3. Click OK to close the window.

To update your workspace:

1. In the Repository Workspace, choose **File > Update Workspace** command.

The Forte Documentation Set

Forte produces a comprehensive documentation set describing the libraries, languages, workshops, and utilities of the Forte Application Environment. The complete Forte Release 3 documentation set consists of the following manuals in addition to comprehensive online Help.

Forte 4GL

- *A Guide to the Forte 4GL Workshops*
- *Accessing Databases*
- *Building International Applications*
- *Escript and System Agent Reference Manual*
- *Forte 4GL Java Interoperability Guide*
- *Forte 4GL Programming Guide*
- *Forte 4GL System Installation Guide*
- *Forte 4GL System Management Guide*
- *Fscript Reference Manual*
- *Getting Started With Forte 4GL*
- *Integrating with External Systems*
- *Programming with System Agents*
- *TOOL Reference Manual*
- *Using Forte 4GL for OS/390*

Forte Express

- *A Guide to Forte Express*
- *Customizing Forte Express Applications*
- *Forte Express Installation Guide*

Forte WebEnterprise and WebEnterprise Designer

- *A Guide to WebEnterprise*
- *Customizing WebEnterprise Designer Applications*
- *Getting Started with WebEnterprise Designer*
- *WebEnterprise Installation Guide*

Forte Example Programs

In this manual, we often include code fragments to illustrate the use of a feature that is being discussed. If a code fragment has been extracted from a Forte example program, the name of the example program is given after the code fragment. If a major topic is illustrated by a Forte example program, reference will be made to the example program in the text.

These Forte example programs come with the Forte product. They are located in subdirectories under $FORTE_ROOT/install/examples. The files containing the examples have a .pex suffix. You can search for TOOL commands or anything of special interest with operating system commands. The .pex files are text files, so it is safe to edit them, though you should only change private copies of the files.

Viewing and Searching PDF Files

You can view and search 4GL PDF files directly from the documentation CD-ROM, store them locally on your computer, or store them on a server for multiuser network access.

Note You need Acrobat Reader 4.0+ to view and print the files. Acrobat Reader with Search is recommended and is available as a free download from http://www.adobe.com. If you do not use Acrobat Reader with Search, you can only view and print files; you cannot search across the collection of files.

To copy the documentation to a client or server:

1. Copy the fortedoc directory and its contents from the CD-ROM to the client or server hard disk.

   You can specify any convenient location for the fortedoc directory; the location is not dependent on the Forte distribution.

2. Set up a directory structure that keeps the fortedoc.pdf and the 4gl directory in the same relative location.

   The directory structure must be preserved to use the Acrobat search feature.

Note To uninstall the documentation, delete the fortedoc directory.

To view and search the documentation:

1. Open the file fortedoc.pdf, located in the fortedoc directory.
2. Click the **Search** button at the bottom of the page or select **Edit > Search > Query**.
3. Enter the word or text string you are looking for in the Find Results Containing Text field of the Adobe Acrobat Search dialog box, and click **Search**.

   A Search Results window displays the documents that contain the desired text. If more than one document from the collection contains the desired text, they are ranked for relevancy.

Note For details on how to expand or limit a search query using wild-card characters and operators, see the Adobe Acrobat Help.

4. Click the document title with the highest relevance (usually the first one in the list or with a solid-filled icon) to display the document.

   All occurrences of the word or phrase on a page are highlighted.

5. Click the buttons on the Acrobat Reader toolbar or use shortcut keys to navigate through the search results, as shown in the following table:

Toolbar Button	Keyboard Command
Next Highlight	Ctrl+]
Previous Highlight	Ctrl+[
Next Document	Ctrl+Shift+]

6. To return to the fortedoc.pdf file, click the Homepage bookmark at the top of the bookmarks list.
7. To revisit the query results, click the **Results** button at the bottom of the fortedoc.pdf home page or select **Edit > Search > Results**.