™

**Installing and Using Novell
Online Documentation**

N O V E L L®

NetWare®

N E T W O R K   C O M P U T I N G   P R O D U C T S

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How to Use This Manual

Overview

Installing and Using Novell Online Documentation explains what Novell online documentation is, how to set it up, and how to use it.

Online documentation can be installed in several different ways depending on your groups' needs. This document helps you decide which setup best meets your needs and explains how to get that setup.

◆ Chapter 1, "Introducing Novell Online Documentation," and Chapter 2, "Planning for Online DocumentationOverview," contain conceptual information to help you take advantage of installation flexibility.

◆ Chapter 3, "Installing and Setting Up Online Documentation," walks you through installation procedures.

◆ Chapter 4, "Configuring Online Documentation," explains configuration that may be necessary for customized installations.

◆ Chapter 5, "Using the DynaText Viewer," covers the basics of using the documentation viewer.

◆ The appendixes provide reference information that you might want when installing and configuring online documentation.

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1 *Introducing Novell Online Documentation*

Overview

Novell® online documentation allows you to electronically store the manuals in the NetWare® documentation set, and then to access that information from your workstation.

The online documentation is composed of two parts:

◆ The documentation database contains the books in the online documentation set and may be available in several languages.

◆ The DynaText* viewer software allows you to read, search, annotate, and print online documentation from any of the following NetWare clients: Microsoft* (MS) Windows, OS/2* running WIN-OS/2, Macintosh*, or UnixWare™.

If You Already Have Novell Online Documentation

Previous Novell online documentation was distributed with the ElectroText™ viewer. The new DynaText viewer provides better searching, public and private user annotations, and improved document presentation.

The DynaText viewer cannot view the ElectroText books that were distributed with earlier versions of NetWare, and the ElectroText viewer cannot view DynaText books.

To conserve disk space and reduce confusion, we recommend removing ElectroText directories and files. For complete information on removing these files, see "Removing ElectroText Directories" on page 42.

2 Planning for Online Documentation

The following topics are discussed in this chapter.

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Planning for Multiple Documentation Collections	5
Referencing Public and Private Collections	5
Planning Online Documentation for Multilingual Use	6

Accessing Online Documentation

To access online documentation, you can use any of the following types of workstation:

◆ Microsoft (MS) Windows

◆ OS/2 running WIN-OS/2

◆ Macintosh

◆ UnixWare

The workstation can be a standalone machine that has online documentation files installed, or it can be networked to a server that has online documentation files installed.

The documentation database and DynaText viewer can be accessed in three ways: from the network, from a standalone workstation, or from the product CD-ROM.

From the Network

If you install the DynaText viewer and the documentation database on the server, the documentation is available to all workstations logged in to that network.

However, if the server or your connection to the network goes down, you cannot access the documentation.

From a Standalone Workstation

If you install the DynaText viewer and the documentation database on a standalone workstation, the documentation is available only to users of that workstation.

This is limiting, but it allows documentation access if the server is down.

From the Product CD-ROM

If you install the DynaText viewer on a local or network hard disk and leave the documentation database on the product CD-ROM, you save disk space.

However, additional configuration is required and information access is slower than if the documentation were accessed from the hard disk.

For standalone access, the CD-ROM must be set up and working on the workstation. For network access, the CD-ROM must be mounted on the server as a NetWare® volume.

Planning for Multiple Documentation Collections

Novell® online documentation is designed to be installed in *collections*. A collection contains one or more books. Collections can be installed and managed independent of viewers.

Each Novell product ships with its own collection, which is installed in a collection-specific directory. For example, the documentation for NetWare 4.1 is a collection installed in a directory named NW41. The documentation for NetWare 3.12 is a collection installed in a directory named NW312A.

You can install multiple collections at a single location. For example, both the 4.1 collection and the 3.12 collection might be installed at SYS:DOC on the same server.

Or you can install collections across several locations. For example, the 4.1 collection might be installed on a NetWare 4.1 server, and the 3.12 collection might be installed on a 3.12 server.

To provide access to multiple collections, you must reference each collection directory in the online documentation configuration files.

Referencing Public and Private Collections

Collections are referenced either in the system configuration file or in a platform-specific configuration file, depending on who is to have access to the documentation.

Referencing a collection in the system configuration file makes it *public*, available for all network users to view. Public collections must be installed on the network in a directory where users have rights to access the documentation.

Referencing a collection in a platform-specific configuration file that resides in an area of restricted access makes the collection *private*, available for viewing only by users with sufficient rights. Private collections can be installed on a local hard disk or in a network directory where user rights are restricted.

The DynaText viewer displays both public collections referenced in the system configuration file and private collections referenced in a user's platform-specific configuration file.

For complete configuration information see, Chapter 4, "Configuring Online Documentation," on page 29.

Planning Online Documentation for Multilingual Use

Novell online documentation is available in several languages depending on the Novell product. Each language requires between 40 and 60 MB of disk space.

Platform-specific considerations for multilingual documentation are explained in the following sections.

Specifying Language for Documentation on MS Windows and OS/2

Documentation language can be set dynamically with the NWLANGUAGE parameter for each workstation. Using NWLANGUAGE allows different workstations to view the same collection in different languages.

To set NWLANGUAGE, add the following line to the workstation AUTOEXEC.BAT file:

```
set nwlanguage=language
```

Place no spaces in **nwlanguage=**language; replace language with the name of the directory containing the desired documentation language. Language directory names are detailed in Table A-1, "Language Directory Names," on page 39.

Note OS/2 users should set the NWLANGUAGE parameter in the AUTOEXEC.BAT file for the WIN-OS/2 session.

For a single workstation to view documentation in multiple languages, override the NWLANGUAGE parameter by explicitly referencing each language directory in the configuration files.

For a complete explanation of configuration files see Chapter 4, "Configuring Online Documentation," on page 29.

Specifying Language for Documentation on Macintosh

Documentation language is determined by the language of the DynaText viewer. For example, the French viewer displays French documentation and the English viewer displays English documentation.

For a single workstation to view documentation in multiple languages, install the viewer for each language and then reference collection language directories in the configuration files. Language directory names are detailed in Table A-1, "Language Directory Names," on page 39.

To simplify running multiple viewer languages, create an alias for each viewer. For this procedure, see "Creating an Alias to the Macintosh DynaText Viewer" on page 22.

Specifying Language for Documentation on UnixWare

UnixWare uses the LANG variable to specify environment language. Novell online documentation maps the value of this variable to the NWLANGUAGE parameter to set collection and viewer languages.

The mapping between LANG and NWLANGUAGE is performed by the dtext shell script in \usr\X\bin.

For a single workstation to view documentation in multiple languages, override the NWLANGUAGE parameter by explicitly referencing each language directory in the configuration files. Language directory names are detailed in Table A-1, "Language Directory Names," on page 39.

3 *Installing and Setting Up Online Documentation*

Overview

The following types of documentation installation and access are discussed in this chapter.

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Installing Online Documentation for Network Viewing	9
Installing Online Documentation for Standalone Workstation Viewing	15
Accessing Online Documentation from a CD-ROM Drive	25

Installing Online Documentation for Network Viewing

MS Windows, OS/2 running WIN-OS/2, and Macintosh clients can access online documentation from the network.

UnixWare™ clients should access online documentation using the procedure in "Installing Online Documentation on a UnixWare Workstation" on page 22.

You can install online documentation for the network using the INSTALL or NCOPY utility.

◆ INSTALL

Provides menus and prompts to guide you through installing online documentation using default directory structures.

This process can be done at the initial NetWare® software installation or any time after initial installation using the INSTALL.NLM program.

◆ NCOPY

Allows you to use nondefault locations for the online documentation database and the viewer for MS Windows and OS/2. The Macintosh and UnixWare viewers cannot be installed with NCOPY.

NCOPY requires you to understand source and destination directories and file dependencies. For an explanation of the online documentation directory structure, see Appendix A, "Directories and Files," on page 37.
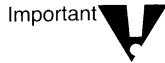
Important ▼ NCOPY does not work for products distributed on diskettes because of file compression required for diskette distribution. Use NCOPY only if the product is distributed on CD-ROM.

Prerequisites

Online documentation files require a NetWare server with the following:

Checklist ▼ ❏ Minimum of 60 MB free hard disk space

If only the viewer files will be installed on the disk and the online documentation files will be read directly from the CD-ROM, only 6 MB of disk space are necessary for the first viewer language (additional viewer languages require 2 MB each).

❏ CD-ROM drive that can read ISO 9660-formatted CD-ROM disks

The drive should be installed according to the manufacturer's instructions.

Procedures

Use one of the following network install options.

Network Install Options	Page
Using INSTALL to Install Online Documentation	11
Using NCOPY to Install Collections	12
Using NCOPY to Install the DynaText Viewer for MS Windows and OS/2	14

Using INSTALL to Install Online Documentation

Procedure
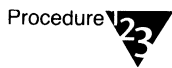
1. **At the console prompt, type**

   LOAD INSTALL <Enter>

2. **From "Installation Options," choose "Product Options."**

3. **From "Other Installation Action," choose "Choose an Item or Product Listed Above."**

4. **Choose "Install Online Documentation and Viewers."**

5. **Press <F3> and enter the path to the documentation CD-ROM.**

   ◆ If the CD-ROM is mounted as a DOS device, enter the drive letter.

   ◆ If the CD-ROM is mounted as a NetWare volume, enter the volume name followed by a colon.

   For example to specify a volume named NW410DOC, you would type

   NW410DOC: <Enter>

   A list of available file groups appears.

6. **Select both the documentation database and DynaText viewer file groups for the platform and language you want to use.**

7. **Accept the marked file groups by pressing <F10>.**

Preliminary install files are copied.

8. **Specify where to install the documentation database.**

The default location is SYS:DOC. If you change the default, edit the system configuration file, SYSDOCS.CFG, as explained in "SYSDOCS.CFG" on page 30.

Note ▼▼▼ The default location of the viewer files, SYS:DOCVIEW, cannot be changed using INSTALL.NLM. To install the viewer in a nondefault location, see "Using NCOPY to Install the DynaText Viewer for MS Windows and OS/2" on page 14.

9. **Set up a client workstation to access the viewer.**

Client	Reference
MS Windows or OS/2 running WIN-OS/2	"Setting Up a DynaText Viewer in MS Windows or WIN-OS/2" on page 18
Macintosh	"Creating an Alias to the Macintosh DynaText Viewer" on page 22
UnixWare	"Installing Online Documentation on a UnixWare Workstation" on page 22

Using NCOPY to Install Collections

This procedure explains how to copy the document database and configuration files from the \DOC directory structure of the CD-ROM to the SYS:\DOC directory on your NetWare server.
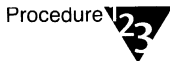
Procedure ▼▼▼ 1. **Copy the document database from the \DOC*language*\ directory to the SYS:\DOC*language*\ directory on your server.**

Replace *language* with the directory name of the language you want.

For example, to copy the English document database where D: is the CD-ROM drive and drive X: is mapped to SYS:\DOC\ENGLISH, you would type

NCOPY D:\DOC\ENGLISH*.* X: /S <Enter>

The collection is installed.

2. Update the system configuration file, SYSDOCS.CFG.

♦ If this is a first-time install, copy SYSDOCS.CFG from the \PUBLIC directory of the CD-ROM to the SYS:\PUBLIC directory on the server.

For example, if D: is the CD-ROM drive and drive Z: is mapped to SYS:\PUBLIC, you would type

```
NCOPY D:\PUBLIC\SYSDOCS.CFG Z: <Enter>
```

If you've used nondefault directory structures, you might need to modify configuration files. For more information, see Chapter 4, "Configuring Online Documentation," on page 29.

♦ If SYSDOCS.CFG already exists on the network, add the new collection name to the SYSDOCS.CFG collection line.

For more information, see "SYSDOCS.CFG" on page 30.

3. (Conditional) If you have not previously installed viewer files, do so.

| Client	Reference
MS Windows or OS/2 running WIN-OS/2	"Using NCOPY to Install the DynaText Viewer for MS Windows and OS/2" on page 14
Macintosh	"Using INSTALL to Install Online Documentation" on page 11
UnixWare	"Installing Online Documentation on a UnixWare Workstation" on page 22

Using NCOPY to Install the DynaText Viewer for MS Windows and OS/2

This procedure explains how to copy the DynaText viewer for MS Windows or OS/2 running WIN-OS/2 from the \DOCVIEW directory structure of the CD-ROM to the SYS:\DOCVIEW directory on your NetWare server.
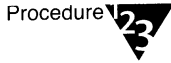
Procedure

1. Copy the DynaText viewer files from the \DOCVIEW directory structure of the CD-ROM to the \DOCVIEW directory on your hard disk.

Important
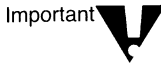
The \DOCVIEW directory must be at the root because of DOS pathname limitations.

For example, if drive X: is mapped to SYS:\DOCVIEW and D: is the CD-ROM drive, you would type

MD X:\DOCVIEW\DTAPPWIN

NCOPY D:\DOCVIEW\DTAPPWIN*.* X:\DOCVIEW\DTAPPWIN
  /S <Enter>

to copy all of \DOCVIEW\DTAPPWIN and

MD X:\DOCVIEW\DTDATWIN

NCOPY D:\DOCVIEW\DTDATWIN*.* X:\DOCVIEW\DTDATWIN
  /S <Enter>

to copy all of \DOCVIEW\DTDATWIN.
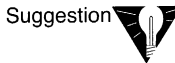
Suggestion

The subdirectories under the \DTDATWIN directory contain language support files for all available languages. Each language's support files require about 2 MB of disk space.

If you do not need all of the languages, save space by deleting the language subdirectories for the languages you will not use. Language subdirectories are named with three-letter language codes as shown in Table A-2, "Language Codes," on page 40.

2. Set up a client workstation to access the viewer.

See "Setting Up a DynaText Viewer in MS Windows or WIN-OS/2" on page 18.

3. (Conditional) If you have not installed a documentation database, do so.

See "Using NCOPY to Install Collections" on page 12.

Installing Online Documentation for Standalone Workstation Viewing

Use this installation only if the documentation is distributed on CD-ROM. This method of installation does not work for products distributed on diskettes because of file compression required for diskette distribution.

Note ▼ For standalone access to documentation distributed on diskettes, install documentation on the server using the INSTALL.NLM program, which decompresses files. Then copy files to a client that can be used as a standalone workstation.

You can install online documentation on the following NetWare clients supported by DynaText:

Client	Reference
MS Windows or OS/2 running WIN-OS/2	"Installing Online Documentation on an MS Windows or OS/2 Workstation" on page 16
Macintosh	"Installing Online Documentation on a Macintosh Workstation" on page 20
UnixWare	"Installing Online Documentation on a UnixWare Workstation" on page 22

Installing Online Documentation on an MS Windows or OS/2 Workstation

Prerequisites

The workstation that the online documentation files are installed on must have the following:

Checklist

❑ Minimum of 60 MB free hard disk space

If only the viewer files will be installed on the disk and the online documentation files will be read directly from the CD-ROM, only 6 MB of disk space are necessary for the first viewer language (additional viewer languages require 2 MB each).

❑ CD-ROM drive that can read ISO 9660-formatted CD-ROM disks.

The drive should be installed and set up according to the manufacturer's instructions.

Procedure

The following procedure copies the documentation database and DynaText viewer to an MS Windows or OS/2 workstation.
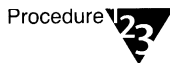
Procedure

1. **Copy the DynaText viewer files from the \DOCVIEW directory structure of the CD-ROM to the \DOCVIEW directory on your hard disk.**

Important
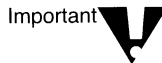
The \DOCVIEW directory must be at the root because of DOS pathname limitations.

For example, if C:\DOCVIEW will contain the viewer and D: is your CD-ROM drive, you would type

XCOPY D:\DOCVIEW\DTAPPWIN*.* C:\DOCVIEW\DTAPPWIN **/S** <Enter>

to copy all of \DOCVIEW\DTAPPWIN and

XCOPY D:\DOCVIEW\DTDATWIN*.* C:\DOCVIEW\DTDATWIN **/S** <Enter>

to copy all of \DOCVIEW\DTDATWIN.

The subdirectories under the \DTDATWIN directory contain language support files for all available languages. Each language's support files require about 2 MB of disk space.

If you do not need all of the languages, save space by deleting the language subdirectories for the languages you will not use. Language subdirectories are named with three-letter language codes as shown in Table A-2, "Language Codes," on page 40.

2. **Copy the book database from the \DOC*language* directory structure of the CD-ROM to the \DOC*language* directory on your hard disk.**

   For example, if the C:\DOC\ENGLISH will contain the document database and D: is your CD-ROM drive, you would type

   XCOPY D:\DOC\ENGLISH*.* C:\DOC\ENGLISH /S <Enter>

3. **Reference collections in the DYNATEXT.INI file.**

   By default, DYNATEXT.INI is located in \DOCVIEW\DTAPPWIN. Use any text editor to modify the file.

   In the **COLLECTION=** line, enter the path to the collection.

   For example, if the English 4.1 collection is in a default location on the hard drive, the **COLLECTION=** line should read

   ```
   COLLECTION=\DOC\ENGLISH\NW41=NetWare 4.1 manuals
   ```

4. **Set up the workstation to access the viewer.**

   Continue with the next section, "Setting Up a DynaText Viewer in MS Windows or WIN-OS/2."

Setting Up a DynaText Viewer in MS Windows or WIN-OS/2

After documentation has been installed, you can set up access to the DynaText viewer on your MS Windows or WIN-OS/2 desktop.

Prerequisites

The computer that DynaText is viewed on must have the following:

Checklist ▼ ❑ VGA or Super VGA display card and monitor

Hercules* monochrome or EGA display cards and monitors also work but might compromise presentation.

❑ Minimum of 4 MB of RAM

❑ MS Windows 3.x or OS/2 v2.1x

❑ (Conditional) If you will be viewing online documentation stored on a NetWare server, you must first set up the workstation as a NetWare client.

See the *NetWare Client for DOS and MS Windows User Guide* or the *NetWare Client for OS/2 User Guide* for information.

Procedure
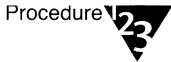
Procedure ▼ 1. **(Conditional) To view online documentation using a viewer installed on the network, map a drive to the volume containing the viewer application files (usually** *servername***\SYS:).**

2. **Ensure that the following line is in the AUTOEXEC.BAT file:**

   set nwlanguage=*language*

   Place no spaces in **nwlanguage=***language*; replace *language* with the name of the language for the book text (*english, deutsch, espanol, italiano,* or *francais*

   This variable specifies which set of electronic books will be viewed. The name must match one of the subdirectories under the \DOC directory.

Note ▼ OS/2 users should set the NWLANGUAGE parameter in the AUTOEXEC.BAT file for the WIN-OS/2 session.

3. **To make the language setting take effect, reboot or enter "SET NWLANGUAGE=*language*" at the command line.**

4. **Start MS Windows or WIN-OS/2.**

5. **Create a program icon for DynaText.**

   5a. **Ensure that the program group you want to place the icon in is active, and then choose "New" from the "File" menu.**

   5b. **Select "Program Item" and choose "OK."**

   5c. **Enter "Documentation" for the description of the icon.**

   5d. **Place the cursor in the "Command Line" field.**

   5e. **Choose "Browse" and then the drive letter where the documentation is installed.**

   5f. **Browse through the directories to select "DTEXTRW.EXE" in the \DOCVIEW\DTAPPWIN directory (or whichever directory you have installed the viewer files in).**

   5g. **Set the "Working Directory" to the directory containing DTEXTRW.EXE.**

   Important ▼
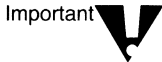
   If the "Working Directory" is not set to this directory, DynaText displays empty collections.

   5h. **Choose "OK."**

   A Documentation icon appears. DynaText is now ready to run on your MS Windows workstation.

Installing Online Documentation on a Macintosh Workstation

The following procedure installs the DynaText viewer and the documentation database on a Macintosh workstation.

Prerequisites

Before you install, make sure you have the following:

Checklist ▼

❏ A Macintosh SE or later (Centris or Quadra series Macintosh is recommended)

❏ System 7.0 or later

❏ NetWare for Macintosh

❏ Minimum of 3 MB free RAM available

❏ A utility that decompresses "BinHexed" StuffIt archives

You can do this with any of the StuffIt programs sold by Aladdin Systems, or you can use the freeware utility StuffIt Expander which is available on most popular Macintosh bulletin boards and FTP sites.

❏ Minimum of 60 MB free hard disk space

If only the viewer files will be installed on the disk and the online documentation files will be read directly from the CD-ROM, only 4.5 MB of disk space are necessary for the first viewer language (additional viewer languages require 2 MB each).

❏ CD-ROM drive that can read ISO 9660-formatted CD-ROM disks.

The drive should be installed and set up according to the manufacturer's instructions.

Procedure
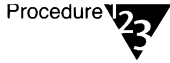
1. **Copy the DYNATEXT.HQX file from the "DOCVIEW:DTAPPMAC:***language***" folder on the CD-ROM to your Macintosh.**

2. **Launch the application which decompresses StuffIt archives.**

3. **Open and decompress the DynaText archive.**

   A folder called "DYNATEXT Folder" is created on your Macintosh at the location that you specify, replacing any previous folder called "DYNATEXT Folder" that might exist at this location.

   Place this folder at the root to reduce configuration requirements.

4. **Copy the documentation database from the "DOC:***language***" folder on the CD-ROM to a DOC:***language*** folder on your hard disk.**

   Place this folder at the root to reduce configuration requirements.

5. **Reference the location of the documentation database in the `Collection=` line of the DYNATEXT.CFG configuration file.**

   DYNATEXT.CFG is located in "DYNATEXT Folder:DTAPPMAC:ENGLISH."

   If you installed the "DynaText Folder" or the "DOC" folder at a location other than the root of your hard disk, or if you are leaving the book database on the CD-ROM or on the NetWare server, you must edit the DYNATEXT.CFG file.

   Use any text editor and follow the instructions found in DYNATEXT.CFG.

   For more information about configuration files, see Chapter 4, "Configuring Online Documentation," on page 29.

Creating an Alias to the Macintosh DynaText Viewer

Creating an alias for the DynaText viewer simplifies access to the DynaText viewer. The alias eliminates the need to browse through volumes and folders each time you want to use DynaText.

Procedure

Procedure
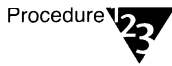
1. **Select the DynaText program by browsing to its install location and clicking on its icon.**

2. **From the "File" menu, choose "Make Alias."**

   A copy of the program icon appears.

3. **Drag the DynaText alias icon to a more easily accessible location.**

   DynaText is now available through the DynaText alias icon.

Installing Online Documentation on a UnixWare Workstation

Installing Viewer Files

The following procedure installs the DynaText viewer on a UnixWare client. The documentation database can be installed on a NetWare server that the client is attached to.

The UnixWare viewer software and data files are provided in two tar files named dtappuw.tar and dtdatuw.tar, respectively. These files are on your NetWare 4.1 documentation CD in the DTAPPUW and DTDATUW directories.

Procedure

Procedure

1. **Copy the dtappuw.tar and dtdatuw.tar files from the CD to a location on the NetWare server visible to the UnixWare client and then copy them from that location to the client's /tmp directory.**

   You might be able to perform this in a single operation if the CD is visible from the UnixWare client.

2. **Become root (superuser) on the UnixWare client.**

3. **Execute the following commands:**

```
tar xvfo /tmp/dtappuw.tar
tar xvfo /tmp/dtdatuw.tar
```

4. **Log in as the UnixWare client's user. In the user's home directory, enter the following:**

```
ln -s /usr/X/bin/dtext Document_Viewer
```

This creates a program icon on the user's desktop.

After the DynaText viewer is installed, you must specify the location of your DynaText documents to complete the installation. See "Specifying the Location of Document Directories" on page 23.

5. **(Conditional) If there are multiple users, repeat Step 4 for each one.**

Specifying the Location of Document Directories

You need root privileges to perform these steps.

Procedure

Procedure
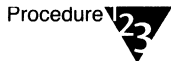
1. **Obtain the full path name of the document tree on your NetWare server in the form that is used on your UnixWare client.**

The form will vary depending on whether the UnixWare client is attached to NetWare as a simple NetWare client or attached through an NFS* mount.

For example, suppose that the NetWare 4.1 document set has been installed on the NetWare server PACIFIC-SALES on the volume VOL4 in the directory \DOC\ENGLISH\NW41.

On a UnixWare system attached as a simple NetWare client, the directory PACIFIC-SALES\VOL4:DOC would be specified as

```
/.NetWare/pacific-sales.nws/vol4.nwv/doc
```

On a UnixWare system that accesses the NetWare server through NFS, on the other hand, this same directory could be specified as

```
/pacific/vol4/doc
```

The exact form will depend on the way that the NetWare file system has been mounted in UnixWare.

2. **Once you have determined the full path name of the doc directory, normalize it by establishing a symbolic link between the real path name and a link point named /doc.**

   For the first example described in Step 1, the command would be

   ```
   ln -s /.NetWare/pacific-sales.nws/vol4.nwv/doc
     /doc
   ```

   For the second example in described in Step 1, this command would be entered as

   ```
   ln -s /pacific/vol4/doc /doc
   ```

   In either case, the viewer can now see the NetWare 4.1 document set as /doc/english/nw41.

3. **(Optional) Verify that the symbolic link has been specified correctly.**

   For example, you could enter the following command:

   ```
   as /doc/english/
   ```

   You should see a list of the document collections that have been installed on the NetWare server.

4. **Establish a similar link between the SYS:PUBLIC directory on the NetWare server and a link point named /public.**

   For the two examples described in Step 1 and Step 2, you would use one of the following commands:

   ```
   ln -s /.NetWare/pacific-sales.nws/sys.nwv/public
     /public
   ```

   ```
   ln -s /pacific/sys/public /public
   ```

In either case, the viewer sees the NetWare document configuration file PACIFIC-SALES\SYS:PUBLIC\SYSDOCS.CFG as /public/sysdocs.cfg.

5. **(Optional) Verify that the link has been specified correctly.**

For example, you could enter the following command:

```
ls /public/
```

You should see a list of all the files in the NetWare server's SYS:PUBLIC directory, including the SYSDOCS.CFG file.

Accessing Online Documentation from a CD-ROM Drive

Installing the DynaText viewer on a local or network hard disk and leaving the documentation database on the product CD-ROM saves disk space. This setup requires only 6 MB of disk space for the first viewer language (additional viewer languages require 2 MB each). However, information access is slower than if the documentation were accessed from the hard disk.

It is possible to run both the book database and the viewer software for MS Windows or OS/2 directly from the CD-ROM. (To do this, create a program icon that points to the CD-ROM as explained in Step 5 on page 19, and the online documentation will be accessible.)

Although the online documentation viewer can be run from the CD-ROM, performance is slower. Therefore, we recommend that you install the viewer software on the NetWare disk or on your local hard disk, and then access the book database directly from the CD-ROM.

Note The Macintosh and UnixWare viewers cannot be run from the CD-ROM. Install them on a hard disk.

Procedure

Procedure ▼
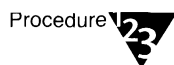
1. **Set up the CD-ROM.**

   ◆ For standalone access, the CD-ROM must be set up on the workstation. Follow the manufacturer's instructions.

   ◆ For network access, the CD-ROM must be mounted on the server as a NetWare volume. For more information see, Appendix B, "Mounting a CD-ROM as a NetWare Volume," on page 43.

2. **Install the viewer on the network or on a standalone machine.**

   Use the following table to locate viewer installation instructions for your platform.

Client	Network Installation Reference	Standalone Installation Reference
MS Windows or OS/2 running WIN-OS/2	"Using INSTALL to Install Online Documentation" on page 11	"Installing Online Documentation on an MS Windows or OS/2 Workstation" on page 16
Macintosh	"Using INSTALL to Install Online Documentation" on page 11	"Installing Online Documentation on a Macintosh Workstation" on page 20
UnixWare	N/A	"Installing Online Documentation on a UnixWare Workstation" on page 22

3. **Reference the location of SYSDOCS.CFG (/PUBLIC on the CD-ROM) in the SYSCONFIG line of the platform-specific configuration file.**

Use the following table to locate configuration file information.

Client	Reference
MS Windows or OS/2 running WIN-OS/2	"DYNATEXT.INI" on page 31
Macintosh	"DYNATEXT.CFG" on page 31
UnixWare	".ebtrc" on page 32

chapter **4** *Configuring Online Documentation*

Overview

The following topics are discussed in this chapter.

Topic	Page
When to Edit Configuration Files	29
How to Edit Configuration Files	30

When to Edit Configuration Files

If your installation meets any of the following criteria, you should edit the configuration files:

◆ Documentation files are installed somewhere other than \DOC and \DOCVIEW, which are at the root of the same drive or volume.

◆ Simultaneous access to multiple languages is required.

◆ Multiple collections are installed with separate install procedures.

◆ Some installed collections are for private viewing only.

How to Edit Configuration Files

DynaText uses two types of configuration files:

◆ A system configuration file: SYSDOCS.CFG

◆ A platform-specific configuration file:

Platform	Filename
MS Windows and OS/2 running WIN-OS/2	DYNATEXT.INI
Macintosh	DYNATEXT.CFG
UnixWare	.ebtrc

Both the system configuration file and the platform-specific configuration files are text files and can be edited with any text editor.

SYSDOCS.CFG

SYSDOCS.CFG references the location of public collections. No other configuration options are specified in SYSDOCS.CFG.

This file contains a section for each platform that references the location of the documentation databases. Edit the collection line in the section specific to your platform.

If you have multiple public collections, separate each collection reference with a semicolon and no space.

SYSDOCS.CFG should reside in the SYS:PUBLIC directory on the server or in the \PUBLIC directory on the CD-ROM.

DYNATEXT.INI

DYNATEXT.INI, the DynaText configuration file for MS Windows and WIN-OS/2, references private collections and points to SYSDOCS.CFG, which references public collections.

DYNATEXT.INI also references the location of resource files for the viewer and defines viewer presentation characteristics such as color and window location.

This file is self-documenting; each parameter is explained within the file. To make modifications, use the instructions provided for each section.

DYNATEXT.INI should reside in the \DOCVIEW\DTAPPWIN directory. To provide for individual setups, copy DYNATEXT.INI to the user's Windows directory, where it takes precedence over other versions of the file.

Important If a user has a local copy of the DYNATEXT.INI file (a copy in the user's Windows directory), the local copy—not the public copy on the server—is used by the viewer.

For this user to view public collections, the **SYSCONFIG=** line in the local DYNATEXT.INI needs to be modified to specify the path to the SYSDOCS.CFG file.

DYNATEXT.CFG

DYNATEXT.CFG, the Macintosh DynaText configuration file, references private collections and points to SYSDOCS.CFG, which references public collections. DYNATEXT.CFG also references the location of resource files for the viewer.

This file is self-documenting; each parameter is explained within the file. To make modifications, use the instructions provided for each section.

DYNATEXT.CFG should reside in the DTAPPMAC:*language* folder, which is located in DOCVIEW on the server or in the local DynaText Folder.

.ebtrc

The .ebtrc file, the UnixWare™ DynaText configuration file, references private collections and points to SYSDOCS.CFG, which references public collections.

This file is self-documenting; each parameter is explained within the file. To make modifications, use the instructions provided for each section.

The .ebtrc file should reside in the /etc/opt/dynatext directory. If a version of the .ebtrc file is also located in the user's home directory, that version takes precedence over the version in /etc/opt/dynatext.

5 *Using the DynaText Viewer*

Overview

After the online documentation files and the DynaText viewer software have been installed on the server or a local disk, and a client or standalone computer has been set up to view the files, you can run DynaText.

The following topics are discussed in this chapter.

Topic	Page
Opening a Book	33
Navigating through a Book	34
Using the Master Index	35
Printing from DynaText	36

Opening a Book

Procedure

1. Choose the Documentation icon on your desktop.

The DynaText application starts, and names of the available collections appear.

2. Choose the name of the collection containing the book you want to view.

Names of the books in the collection appear.

3. Choose the name of the book you want to view.

The text and the Table of Contents outline for the book you specified appear.

Navigating through a Book

After the book is open, you can do the following.

Task	Procedure
Move directly to a specific section of the book	Click on the section title in the Table of Contents outline window.
	You can click on the "Plus Sign" icon to expand the Table of Contents outline.
Read the book's text sequentially	Use the scroll bar on the right side of the text window.
Adjust the text size	Choose "Enlarge" or "Reduce" from the "View" menu.
View a graphic or table	Double-click on the icon representing the graphic or table.
	Close the graphic or table window when you are finished viewing it.
Move to another section that is referenced in the text	Click on the underlined, colored text. The display moves to the referenced section.
	If the referenced section is in a different book, a new window opens displaying the other book.

Task	Procedure
Locate a specific word or phrase in the book	Type the word or phrase in the "Find" field and then press <Enter>. The text is scrolled to the first occurrence of the word or phrase.

The number of occurrences in each section of the book is listed in the Table of Contents outline window. Choose a section title to jump to the first occurrence of the word or phrase in that section.

For more complex searches, choose "Search Forms" from the "Book" menu. |
| Go back to the section you just read | Choose "Go Back" from the "Book" menu, or choose the "Go Back" icon on the toolbar. |

Using the Master Index

In addition to DynaText's search feature, you can use the NetWare® Master Index to locate information. The Master Index is the online equivalent of the traditional paper index. Most NetWare collections have a Master Index.

Procedure

1. **From the collection window, choose the Master Index.**

2. **Locate the topic you want by using the alphabetical table of contents.**

3. **Choose the topic's index marker (§).**

   A new window appears, with the referenced book open at the topic's location.

Viewing Page Numbers

DynaText allows you to view page numbers online similar to the page numbers in a paper manual. This can be a quick way to reference a specific section of text.

Procedure
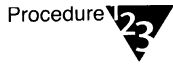
1. **From the "View" menu, choose "Main."**

2. **Select "Indexed."**

   The text view changes to include bracketed page numbers.

   If you print a section when page numbers are visible, the printout provides two pagination schemes: the pagination turned on from the "View" menu and the pagination indicating the number of pages for that particular print job.

Printing from DynaText

DynaText allows you to print as little as a section or as much as an entire book.

Procedure
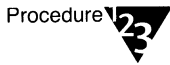
1. **Select a book.**

2. **From the "File" menu, choose "Print."**

3. **Use the "Print" dialog to select the sections of the book you want to print.**

4. **Choose "Print."**

   Selected sections begin printing. Figures and tables that do not appear inline in DynaText will print inline.

For More Information

For complete information on the use of DynaText, choose the "Reader Guide" option from the DynaText "Help" menu.

appendix

A Directories and Files

Overview

This appendix outlines default documentation directory structures.

The following topics are discussed in this appendix.

DynaText Directory Tree

Novell® documentation databases are installed by default in a root directory named \DOC, which can be on a local hard disk, a NetWare® volume, or the documentation CD-ROM.

The DynaText viewers for MS Windows, OS/2 running WIN-OS/2, Macintosh, and UnixWare™ software are, by default, in a root directory named \DOCVIEW, which can be on a local hard disk or on a NetWare volume.

A system configuration file, SYSDOCS.CFG, is located in \PUBLIC, which can be on volume SYS: or the documentation CD-ROM.

The default installation of online documentation is shown in the following figure.

Figure A-1. DynaText Directory Tree

```
DOC ─────────────────────── DOCVIEW ──────────────────────── PUBLIC
 ├ PUBNOTES                    ├ DTDATWIN ─┬ BITMAPS              └ SYSDOCS.CFG
 ├ ENGLISH ─┬ NW41             │           ├ CONFIG ─┬ C
 │          └ OTHERS           │           ├ HELP     ├ DEU
 ├ FRANCAIS                    │           └ ICONS    ├ FRA
 ├ DEUTSCH                     │                      └ OTHERS
 └ OTHERS                      ├ DTAPPWIN ─┬ DTEXTRW.EXE
                               │           └ DYNATEXT.INI
                               ├ DTDATMAC ─┬ HELP ─┬ C
                               │           │       └ ENU
                               │           └ CONFIG ─┬ C
                               │                     ├ ENU
                               │                     └ STYLES
                               ├ DTAPPMAC ─┬ ENGLISH ─┬ DYNATEXT
                               │           │          └ DYNATEXT.CFG
                               │           ├ FRANCAIS
                               │           └ OTHERS
                               ├ DTDATUW ── DTDATUW.TAR
                               └ DTAPPUW ── DTAPPUW.TAR
```
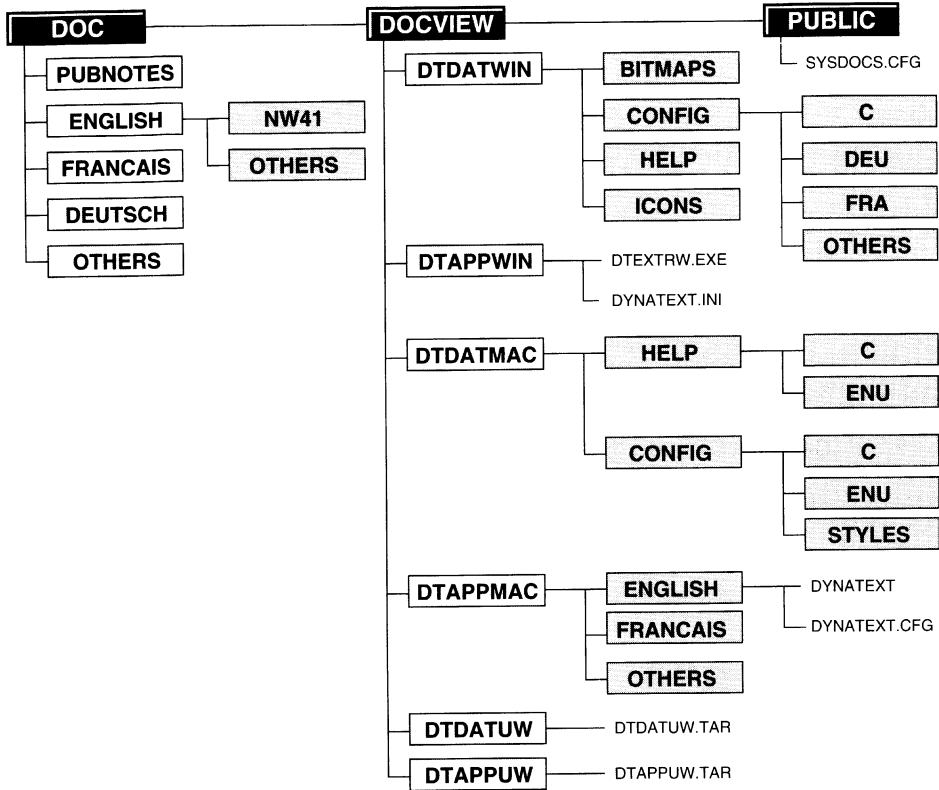
\DOC Directory

The \DOC directory structure does not change for any of the platforms. It contains the documentation database in multiple languages and the files that support the databases.

◆ Language directories

Language directories are named in their native language as outlined in the following table.:

Table A-1
Language Directory Names

Language	Directory Name
English	english
French	francais
German	deutsch
Italian	italiano
Spanish	espanol

Each language directory contains a COLNAMES.LST file (a listing of available documentation collections for each language) and a directory for each document collection (NW41 for NetWare 4.1, for example).

◆ PUBNOTES directory

Created by default when the viewer is first accessed. It stores all public annotations made using the DynaText viewer.

To prohibit users from making public annotations, keep the default rights assigned to this directory.

To allow users to make public annotations, assign them Read, Write, and Create rights for this directory.

\DOCVIEW Directory

The \DOCVIEW directory contains viewer executables and language and viewer support files. Language support directories use a unique three-letter code to identify the language.

Table A-2
Language Codes

Language	Language Code
English	enu
French	fra
German	deu
Italian	ita
Spanish	esp

MS Windows and WIN-OS/2

◆ \DTAPPWIN directory

Contains the viewer executables and the configuration file, DYNATEXT.INI.

◆ \DTDATWIN directory

Contains bitmaps and icons used by the viewer, viewer version information, translated versions of the viewer, language codes, and the DynaText Reader Guide.

Macintosh

◆ \DTAPPMAC directory

Contains directories for the Macintosh viewer executables and language configuration files.

◆ \DTDATMAC directory

Contains files used by the Macintosh viewer executable.

UnixWare

♦ \DTAPPUW directory

Contains the tar file for the UnixWare viewer files.

♦ \DTDATUW directory

Contains the tar file for the UnixWare data directories.

\PUBLIC Directory

The \PUBLIC directory contains the SYSDOCS.CFG file, which references public collections for all platforms.
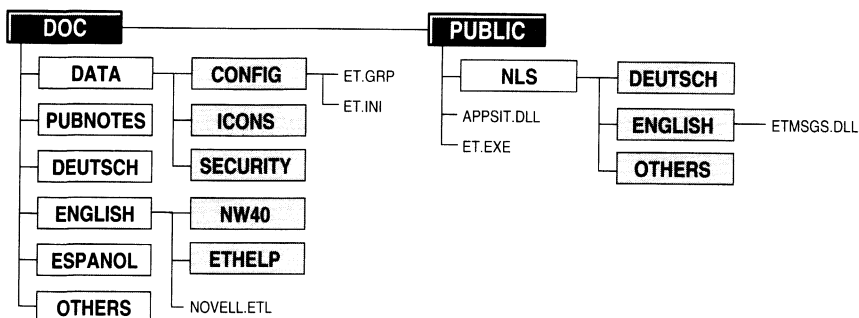
ElectroText Directory Tree

Previous Novell online documentation was distributed with the ElectroText™ viewer.
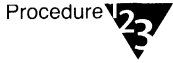
Most Novell documentation has been converted to use the DynaText viewer. If your documentation has been updated to use the DynaText viewer, we recommend you remove the ElectroText directories and files.

The default directory structure for ElectroText documentation is shown in the following figure.

**Figure A-2
ElectroText
Directory Tree**

```
┌─────────┐                              ┌──────────┐
│  DOC    │──────────────────────────────│ PUBLIC   │
└─────────┘                              └──────────┘
   ├─┤ DATA     │  ┌ CONFIG ┐─ ET.GRP        ├─┤  NLS   │  ┌ DEUTSCH ┐
   │                         └ ET.INI        │
   ├─┤ PUBNOTES │  ┌ ICONS  │   ─ APPSIT.DLL  ├─┤ ENGLISH │── ETMSGS.DLL
   │                          ─ ET.EXE        │
   ├─┤ DEUTSCH  │  ┌ SECURITY │              └─┤ OTHERS  │
   │
   ├─┤ ENGLISH  │  ┌ NW40   │
   │
   ├─┤ ESPANOL  │  ┌ ETHELP │
   │
   └─┤ OTHERS   │  └ NOVELL.ETL
```

Removing ElectroText Directories

Procedure

1. **Flag ElectroText collection and help subdirectories as "Normal."**

   For example, if drive X: is mapped to \DOC*language*, you would type

   ```
   FLAG X:NW40\*.* N /S <Enter>
   FLAG X:ETHELP\*.* N /S <Enter>
   ```

2. **At \PUBLIC, remove the APPSIT.DLL and ET.EXE files.**

   In MS Windows File Manager, select the APPSIT.DLL and ET.EXE files and choose "Delete" from the "File" menu.

3. **At \PUBLIC\NLS*language*, remove the ETMSGS.DLL file.**

   In File Manager, select the ETMSGS.DLL file and choose "Delete" from the "File" menu.

4. **At \DOC, remove the \DATA directory and all its subdirectories.**

   In File Manager, select the \DOC\DATA directory and choose "Delete" from the "File" menu.

5. **At \DOC*language*, remove the \ETHELP directory and all its subdirectories.**

   In File Manager, select the \DOC*language*\ETHELP directory and choose "Delete" from the "File" menu.

6. **At \DOC*language*, remove the NOVELL.ETL file.**

   In File Manager, select NOVELL.ETL and choose "Delete" from the "File" menu.

7. **At \DOC*language*, remove the collection directory and all its subdirectories.**

   In File Manager, select the \DOC*language*\NW40 directory and choose "Delete" from the "File" menu.

B Mounting a CD-ROM as a NetWare Volume

Prerequisites

Checklist▼ ❏ Access to the server console or a remote console session with the server

❏ Volume SYS: mounted

❏ An installed Host Bus Adapter (HBA) that is compatible with NetWare® and supports CD-ROM devices

Note▼ There are no serial, parallel, or IDE device drivers for CD-ROM support. Use a SCSI adapter.

❏ The NWPA.NLM NetWare Peripheral Architecture™ (NPA) module

❏ The disk driver file and necessary support modules

Some disk drivers consist of more than one file and some HBA devices require additional support modules for CD-ROM functionality. These files should accompany the HBA. For specific file requirements, consult your adapter documentation.

NetWare 4.1 includes the third-party HBA device drivers that are certified for NetWare 4.1 by Novell®. If the HBA is certified to support CD-ROM devices, the necessary support modules are also included with NetWare.

You can copy these files during installation, or you can copy them from the NetWare distribution media using NWXTRACT.

Procedure
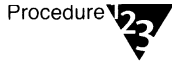
1. **At the server console prompt, load the disk driver.**

   Type

   LOAD [*path*] *disk_driver* <Enter>

   Replace *disk_driver* with the name of the disk driver specified in the HBA documentation.

   You might be prompted to supply command line values such as a port or slot number for the HBA. Consult your HBA documentation for this information.

   For example, to load the disk driver for the Adaptec AHA-1522 SCSI HBA, you would type

   LOAD [*path*]**AHA1520.DSK** <Enter>
   LOAD [*path*]**ASPICD.DSK** <Enter>

   Some files might automatically load. In this example, ASPITRAN.DSK automatically loads when the AHA1520.DSK is loaded.

   If your disk driver autoloads the ASPITRAN.DSK driver, you need to load either ASPICD.DSK or CDNASPI.DSK

2. **Load the NWPA NLM program.**

   Type

   LOAD NWPA.NLM <Enter>

   This is the device-independent software that interfaces with the Media Manager.

3. **Load the CDROM NLM program.**

   Type

   LOAD CDROM <Enter>

   Note   When mounting a CD-ROM or changing a CD-ROM disc, CD-ROM devices might be deactivated. Do not be alarmed. This deactivation occurs because device configuration information is being updated.

4. Mount the CD-ROM as a volume.

Type

CD MOUNT [*object number*] | [*volume name*] <Enter>

Replace *object number* with the object number or replace *volume name* with the volume name of the CD-ROM disc.

For example, to mount the *NetWare_41 Documentation* CD-ROM, you would type

CD MOUNT NW410DOC <Enter>

It might take several minutes to mount the volume, depending on the size of the CD-ROM and the speed of your computer.

5. (Optional) To mount the CD-ROM as a NetWare volume each time the server comes up, do the following:

5a. Edit your STARTUP.NCF file.

Add the following lines to the file:

LOAD [*path*] *disk_driver*
LOAD [*path*] **ASPICD.DSK**
LOAD [*path*] **NWPA.NLM**

If your disk driver autoloads the ASPITRAN.DSK driver, load either ASPICD.DSK or CDNASPI.DSK.

5b. Edit your AUTOEXEC.NCF.

Add the following lines to the file:

LOAD CDROM
CD MOUNT [*object number*] | [*volume name*]

6. (Conditional) If you are using NetWare Directory Services™ (NDS) software, you must create an NDS™ Volume object.

Use the NetWare Administrator or NETADMIN utility to create a Volume object so that the documentation volume appears in the Directory tree.

Troubleshooting

Overview

This appendix identifies common trouble spots and offers possible solutions.

The following topics are discussed in this appendix.

Topic	Page
DATA_DIR Problems	47
DynaText Displays Empty Collections	48
COLLECTION Variable Problems	49

DATA_DIR Problems

The following message is displayed in MS Windows or WIN-OS/2:

```
Configuration Error: The DATA_DIR variable in the
DYNATEXT.INI file is set to an invalid directory.
Verify this setting.
```

Explanation

DYNATEXT.INI expects the "Working Directory" to be the directory containing the DynaText executable file, DTEXTRW.EXE. In a default installation, this directory is \DOCVIEW\DTAPPWIN.

Action

Verify that the "Working Directory" is specified correctly and try again to view online documentation.

DynaText Displays Empty Collections

Collections appear without any books in them.

Explanation

DynaText uses the collection paths mapped in the configuration files to locate collections. The paths can explicitly name a language subdirectory or name only the collection directory above language subdirectories.

If the path specifies only the collection directory, DynaText then looks to a platform-specific language variable to know which language subdirectory to display. When this variable is not specified or is specified incorrectly, DynaText displays an empty collection.

Action

Either specify a language variable for the platform, as explained in "Planning Online Documentation for Multilingual Use" on page 6, or modify the collection path to explicitly name the language subdirectory, as discussed in Chapter 4, "Configuring Online Documentation," on page 29.

Also make sure the collection you want is available for the language you specified. Not all collections are available in all languages.

COLLECTION Variable Problems

The following message is displayed in MS Windows or WIN-OS/2:

```
Configuration Error: The COLLECTION variable is not
specified in the DYNATEXT.INI file.
```

Explanation

DynaText looks at the `SYSCONFIG` line of the DYNATEXT.INI file to locate the SYSDOCS.CFG file which references public collections. DynaText also looks at the `COLLECTION` line to locate private collections.

The error message is displayed when both of these lines are empty or invalid.

Action

Specify the location of the SYSDOCS.CFG file in the `SYSCONFIG` line and reference collections in the `COLLECTION` line. See Chapter 4, "Configuring Online Documentation," on page 29 for more information.

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