Open Text Connectivity
Installation Guide
Version 14
Related Documentation and Services

Manuals
Manuals are available in PDF format. PDFs are installed only if you perform a Complete installation, or if you select them during a Custom installation. To access installed PDFs, on the Start menu, click Documentation in the Open Text product group.

Help
The online Help provides comprehensive, context-sensitive information regarding your Open Text product. It contains conceptual and reference information and detailed, step-by-step procedures to assist you in completing your tasks.

Release Notes
The Release Notes contain descriptions of new features and details on release-time issues for your Open Text product and its components. You can access the Release Notes in HTML format during installation or from the CD. It is recommended that you read the sections that apply to your product before installing it.

Online Community
The Connectivity Community on Open Text Online provides customers and partners with a variety of resources on products from usage tips, help files, information on product releases, and best practices. As a member you can visit users groups and special interest places, participate in forums to find information and ask questions of peer experts. While designed for end users, these communities are of interest to anyone who works with Open Text Connectivity products.

To register for a Communities Member Account:

To login to the Connectivity Community:
http://communities.opentext.com/communities/llisapi.dll/open/Connectivity
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Introducing Open Text Connectivity Products

This installation guide contains installation information relating to all Open Text Connectivity Solutions products. For specific information on individual products, refer to the Help files available with each product, or to the Documentation folder of the product disc. The Documentation folder contains PDFs, which you can install, as well as release notes.

This guide is applicable to installing the following products or product suites:

<table>
<thead>
<tr>
<th>Product</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exceed, Exceed PowerSuite, Exceed 3D, Exceed XDK, Exceed onDemand, Exceed Freedom, Exceed Connection Server</td>
<td>For more information on UNIX/Linux installations, see &quot;Chapter 5: Exceed Connection Server for UNIX Installation&quot; on page 97.</td>
</tr>
<tr>
<td>HostExplorer</td>
<td>Administrator privileges are required to install some portions of these products.</td>
</tr>
<tr>
<td>Open Text NFS Client, NFS Solo, NFS Gateway, NFS Server</td>
<td></td>
</tr>
<tr>
<td>Open Text Secure Terminal, Open Text Secure Shell</td>
<td></td>
</tr>
<tr>
<td>Open Text Web-to-Host and Deployment Wizard</td>
<td></td>
</tr>
</tbody>
</table>

For more information on the individual applications and components available with your product, see “Open Text Connectivity Applications” on page 111.
Open Text Setup Wizard

Open Text Setup Wizard is the interface displayed by Microsoft Windows Installer. Open Text Setup Wizard is based on three standard, top-level user interfaces or modes: installation, administration, and advertisement. Each defines a different installation path and user interface flow.

Open Text Setup Wizard does the following:

- uses the Microsoft Windows Installer service to maintain the applications and resources installed on the computer
- determines the correct path to specific components
- ensures that applications do not point to missing files

Microsoft Windows Installer

Open Text Connectivity products use Microsoft Windows Installer. The Windows Installer service views all applications as three logical building blocks: products, features, and components.

With Microsoft Windows Installer, be aware of the following:

- Retaining Advertised Shortcuts—When multiple products install the same shortcut, the shortcut is associated with the last product installed. Uninstalling that product removes the shortcut. However, you can add the shortcut again by selecting the Repair option in Program Maintenance for one of the remaining products.
- Files in Use During Migration—During migration, the Files In Use dialog box may open. This may indicate that the setup process is using certain files. Close the dialog box by clicking Ignore.
Chapter 1: Installing Open Text Connectivity Products

Multilingual User Interface (MUI) Support

Open Text Setup Wizard provides a language option that supports machines running Windows XP and later operating systems with one or more Language Interface Packs installed.

With Multilingual User Interface (MUI), be aware of the following:

- **Product Access Control Enabled Installations (UsrSetup)**—UsrSetup support for MUI is limited to shortcut tooltips and extensions. In addition, UsrSetup does not support MUI unless it is installed from an administrative image to which the MUI patch has already been applied.

- **Merging MUI Patch with an Administrative Image**—Running `setup /a` from an administrative image where MUI is the setup language results in the MUI patch not being applied to the administrative image. To create a MUI-specific administrative image, you must manually merge the MUI patch.

To manually merge a MUI patch:

1. Launch `setup.exe /a` and select English as the default language.
2. Merge the MUI patch into the administrative image by running the following command:

   ```
   msiexec admin_image.msi /p mui.msp
   ```

3. Install from the administrative image. For more information, see “Administrative Installation” on page 16.

Installation on Windows Vista or later

Windows Vista and later operating systems have User Account Control security features that prevent unauthorized changes to your computer. Depending on your user privileges, several dialogs may open that prompt you to confirm the installation of Open Text Connectivity products. You may require elevated user privileges to install software products. For more information, see Windows Help.
**Installation Requirements**

Before proceeding with the installation, ensure that you close all applications. System and shared files currently in use cannot be updated.

The supported operating systems are as follows:

- Windows XP
- Windows Server 2003
- Windows Vista
- Windows 7
- Windows Server 2008 and Server 2008 R2

The following table outlines installation requirements for Connectivity products:

<table>
<thead>
<tr>
<th>Product</th>
<th>Disk Space (MB)</th>
<th>Other Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Typical</td>
<td>Complete</td>
</tr>
<tr>
<td>Exceed PowerSuite</td>
<td>112</td>
<td>290</td>
</tr>
<tr>
<td>Exceed</td>
<td>100</td>
<td>265</td>
</tr>
<tr>
<td>Exceed 3D</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Exceed Freedom</td>
<td>8</td>
<td>12</td>
</tr>
<tr>
<td>Exceed onDemand</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Exceed XDK</td>
<td>17</td>
<td>77</td>
</tr>
<tr>
<td>Exceed Connection Server</td>
<td>243</td>
<td>255</td>
</tr>
<tr>
<td>HostExplorer†</td>
<td>51</td>
<td>102</td>
</tr>
</tbody>
</table>
Chapter 1: Installing Open Text Connectivity Products

Administrator privileges are required to install some portions of the product.

### Installation Directories

Exceed XDK and Exceed 3D files install to the same directories as Exceed.

Open Text Setup Wizard installs program-specific and user-specific files to the following directories:

<table>
<thead>
<tr>
<th>Product</th>
<th>Disk Space (MB)</th>
<th>Other Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Text Web-to-Host and Deployment Wizard†</td>
<td>17 17 26</td>
<td></td>
</tr>
<tr>
<td>Open Text NFS Client†</td>
<td>69 125 144</td>
<td></td>
</tr>
<tr>
<td>Open Text NFS Solo†</td>
<td>15 36 55</td>
<td></td>
</tr>
<tr>
<td>Open Text NFS Server†</td>
<td>16 20 34</td>
<td></td>
</tr>
<tr>
<td>Open Text NFS Gateway†</td>
<td>17 26 44</td>
<td>Must be installed on a server platform</td>
</tr>
<tr>
<td>Open Text Secure Terminal†</td>
<td>51 85 97</td>
<td></td>
</tr>
<tr>
<td>Open Text Secure Shell†</td>
<td>19 30 42</td>
<td></td>
</tr>
</tbody>
</table>

† Administrator privileges are required to install some portions of the product.

<table>
<thead>
<tr>
<th>Installation</th>
<th>Description</th>
<th>Location/Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Destination folder</td>
<td>Program files install into the destination folder (also known as the root home directory). It is recommended that you use the default directory: C:\Program Files\Hummingbird\Connectivity\version\ However, you can specify a different directory.</td>
<td>Location: a remote network drive or a local hard drive. Can be a read-only directory.</td>
</tr>
<tr>
<td>User directory</td>
<td>User files install into the user directory. These files are configuration files or related files that your Open Text product can change.</td>
<td>There are several kinds of user directories and user files. For more information, see the next topic.</td>
</tr>
</tbody>
</table>
### User Directories

Files are created in one of three directories: shared, per-user, or global. If the product is installed for all users of the machine, you can choose whether user files are individualized (per-user) or shared.

Some files are always placed in a shared location known as the global user directory. This location is *not* the same as the shared user directory.

<table>
<thead>
<tr>
<th>Directory</th>
<th>Default Location</th>
</tr>
</thead>
</table>
| Per-user  | Windows 7/Vista/Server 2008/2008 R2:  
C:\Users\UserName\AppData\Roaming\Hummingbird\ Connectivity\version\  
Windows XP/Server 2003:  
C:\Documents and Settings\UserName\  
Application Data\Hummingbird\Connectivity\version\ |
|            | **Note:** This location is hidden by default. |
| Shared user| Windows 7/Vista/Server 2008/2008 R2:  
C:\ProgramData\Hummingbird\Connectivity\version\Shared  
Windows XP/Server 2003:  
C:\Documents and Settings\All Users\Application Data \Hummingbird\Connectivity\version\Shared |
| Global user| Windows 7/Vista/Server 2008/2008 R2:  
C:\ProgramData\Hummingbird\Connectivity\version\Global\  
Windows XP/Server 2003:  
C:\Documents and Settings\All Users\Application Data \Hummingbird\Connectivity\version\Global |

**Per-User** If you choose to install your files to a shared location, many application files are created in a directory that is specific to the user who is logged in on the machine. An example of a user-specific file is HostEx.ini. If you configure HostEx.ini with HostExplorer to Not Prompt On Window Close for a particular user, other users of the machine are not affected.
Another example of a user-specific file is Exceed.xcfg. If you configure Exceed.xcfg with Xconfig to use a certain display, other users of the machine are not affected.

**Note:** Each user of the product on the machine receives a personal user directory.

**Shared User** If you choose to install your files to a shared location, many application files are created in a directory that can be accessed by all users of a machine. Changing files in this directory affects all users of the computer.

**Global User** Similar to shared directories and files, the global user folder is available to all users of the machine. Generally, the global user folder is intended as writable by administrators and local services and readable by all users. In certain cases, folder permissions might be changed to allow write access for everyone. Shared files such as user profiles and mandatory settings are accessible from the global folder on the local machine (regardless of the current user).

### Personal Installation

This section describes the basic installation procedure for one user installing a product on one computer. For examples of how to implement installation procedures for Exceed, Exceed PowerSuite, HostExplorer, and Open Text NFS Client, see “Typical Installation Scenarios” on page 18.

Autorun launches the Open Text Master Setup application when you insert the product disc into your drive. If Master Setup does not launch automatically, run Msetup.exe from the root directory of the disc.

**To launch Open Text Setup Wizard for personal installation:**

1. In the Open Text Master Setup application window, click Install *Product*, and then click Personal Installation.

You can also select additional Open Text Connectivity products, register online, or view release notes from the Master Setup window.
2 In the Setup Language Selection dialog box, select a setup language or Multilingual User Interface (MUI), and then click OK. For more information, see “Multilingual User Interface (MUI) Support” on page 5.

Your Open Text Connectivity product prepares Open Text Setup Wizard, which guides you through the program setup process. It checks the operating system and the current Microsoft Windows Installer version.

If necessary, the Microsoft Windows Installer is updated. If the Microsoft Windows Installer is not present on your operating system, Open Text Setup Wizard installs the service.

Once Open Text Setup Wizard has finished, the Welcome To The Open Text Setup Wizard page opens.

Note: Open Text NFS Server cannot be installed if the Open Text NFS Server feature has already been installed by another Open Text Connectivity product.

To install Open Text Connectivity products:

1 In the Open Text Setup Wizard, click Next on the Welcome page.

Note: To quit installation, click Cancel on any page of the Setup Wizard. Your computer is not affected if you do this before clicking Install on the confirmation page. To review or change settings on a previous page, click Back.

2 Do the following, if necessary:
   • If a previous version of this product or another compatible Open Text Connectivity product is installed, the Product Migration page opens. Review the product(s) that will be removed if you continue with the installation process. Specify whether you want to migrate or remove existing settings and click Next.
     For more information, see “Preserving User Profiles” on page 15.
   • If applicable, the License page for evaluation versions of the product opens. Provide a license key and click Next.
Chapter 1: Installing Open Text Connectivity Products

3 On the License Agreement page, read the licensing agreement. If you select the option that indicates the terms are acceptable, click Next.

Failure to read or understand the License Agreement does not affect the terms and conditions of the agreement.

4 On the Customer Information page, type the appropriate information in the User Name and Organization boxes and click Next.

Some options are dimmed and appear for information purposes.

5 On the Destination Folder page, specify the installation folder and click Next.

You can accept the default installation folder for the product. Alternatively, you can click Change to open a dialog box to browse to another location, and then click OK. If you install a second product, the default installation location is the same as the first product installed regardless of the location you specify.

For 64-bit products, Destination Folder (or home directory) affects only 64-bit folder locations.

**Note:** This step is not applicable to Exceed 3D or Exceed Freedom.

6 On the User Directory Location page, select one of the following options and click Next:

- Per User Directory—Stores application settings on a per-user basis, with individual user directory locations for each user.
- Shared User Directory—Stores application settings in a (common) shared directory for all users.

If another product is already installed, Open Text Setup Wizard uses the existing directory location. In this instance, the options displayed on this page are unavailable.

**Note:** This step is not applicable to Exceed 3D, Exceed Freedom, Exceed onDemand Client, Open Text NFS Server, or Web-to-Host and Deployment Wizard.
7 On the Setup Type page, select a setup type and click Next.

Note: This step is not applicable to Exceed onDemand Client, Exceed Freedom, and Web-to-Host and Deployment Wizard, which offer only the Custom setup type.

8 Depending on the setup type, do the following:

- If the Custom setup type is selected, the Custom Setup page opens. Select the features and sub-features you want to install and click Next.

  If you intend to use Deployment Wizard and you select the Custom setup type, you must also select the Deployment Support sub-feature in the Administrative Tools feature.

- If the Complete setup type is selected, the Event Monitoring Client Settings page opens. This page also opens if Event Monitoring Client is selected in Administrative Tools for Custom setup. Type the required information and click Next.

  For Exceed Connection Server, the Event Monitoring Client Settings page opens after the Exceed Connection Server Administration page.

Note: This step is not applicable to Exceed 3D, Exceed Freedom, or Deployment Wizard.

- For Exceed Connection Server only, the Exceed Connection Server Administration page opens. Enter the required information, including the Activation Key, and then click Next.

9 On the Additional Install Options for the Product page, select from the following install options and then click Next:

- Local Cache—Copies setup files locally so that future repairs or patches do not prompt for source files.

- Updates—Opens the Customer Support web site in the default web browser when installation is complete.
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In Windows Vista or later, one or more dialogs may open that prompt you to confirm the installation. For more information, see Windows Help.

10 On the Ready To Install page, when you are ready to begin installation, click Install. A status page opens, indicating the progress of the installation.

11 Another page opens, indicating that installation is complete. Click Finish to close the dialog box.

Depending on the Open Text Connectivity product you are installing, you may be required to restart the machine for the installation to take effect.

For information about product modification, repairs, or removal, see the next topic.

**Program Maintenance for Personal Installations**

Program maintenance lets you modify, repair, or uninstall existing Open Text Connectivity products and features.

**To launch Open Text Setup Wizard in maintenance mode:**

1 Do one of the following:
   - Open Program Maintenance by running Msetup.exe from the product disc.
   - Double-click Add Or Remove Programs in Control Panel, select the Open Text Connectivity program, and click Change.
   - In Windows 7/Vista/Server 2008/2008 R2, click Uninstall A Program, Change, or Repair, in the Programs and Features section of the Control Panel.

2 On the Welcome page of the Open Text Setup Wizard, click Next.

3 On the Product Maintenance page, select a maintenance option.
To modify program features:
1. On the Program Maintenance page, select Modify and click Next.
2. On the Custom Setup page, do the following:
   a) Expand the feature tree to navigate to the feature you want to modify.
   b) Specify whether you want the feature to be installed or not.
   c) Click Next.
3. On the Additional Install Options page, specify the installation options. For information on these options, see step 9 of the procedure for Personal Installation on page 12.
4. On the Ready To Modify page, confirm the installation settings. When you are ready to modify the program, click Install. A status page opens, indicating the progress of the installation.
5. Another page opens, indicating that all modifications are complete. Click Finish to close the dialog box.

To repair a program:
1. On the Product Maintenance page, select Repair and click Next.
2. On the Ready To Repair The Product page, click Install to repair errors such as missing or corrupt files, shortcuts, and registry entries. A status page opens, indicating the progress of the repair.
3. Another page opens, indicating that all repairs are complete. Click Finish to close the dialog box.
To remove a program:

1. On the Program Maintenance page, select Remove, and click Next.

   **Note:** With Microsoft Windows Installer, you can uninstall (remove) only one program (product) at a time. Ensure that all programs associated with the product you are uninstalling are closed.

2. On the Remove The Product page, click Remove to uninstall the program. If you remove the last product of a version, the local cache is also removed.

3. Another page opens, indicating that the program removal is complete. Click Finish to close the dialog box.

   **Note:** Depending on the Open Text Connectivity product you are uninstalling, you may be required to restart the machine to complete the program removal process.

### Preserving User Profiles

If you choose to preserve user settings on the Product Migration page, Open Text Setup Wizard generates a `.Humfst` file (that can be used with the Files And Settings Transfer Wizard). After default settings are installed, settings from this file are imported to the machine.

The `.Humfst` file lets you save the migration settings and use them at another time using the Files And Settings Transfer Wizard. In addition, there are properties available in Sconfig that let you import a `.Humfst` file even if an older product is not installed. This allows you to migrate settings to other products. For example, you can export settings from a HostExplorer installation into an Exceed installation during setup.

You can also use Files and Settings Transfer Wizard to create an Open Text File Transfer Filter (.humfstat) file, which specifies files and registry settings to export. When you import this file with a `.Humfst` file, Files and Settings Transfer Wizard imports the settings as defined in the `.humfstat` file.
For more information on Files And Settings Transfer Wizard options, see Open Text Administrative Tools Help.

**Note:** This topic does not apply to Exceed XDK or Exceed Connection Server.

**Administrative Installation**

The Administrative Installation lets you create a centralized server image of the product. This is useful if you want many users to install the product on multiple machines without the original disc. For examples of how to implement this procedure for Exceed, Exceed PowerSuite, HostExplorer, and Open Text NFS Client, see “Typical Installation Scenarios” on page 18.

**To run Open Text Setup Wizard in Administrative mode:**

1. Autorun launches the Open Text Master Setup application when you insert the product disc into your drive. If Master Setup does not launch automatically, run `Msetup.exe` from the root directory of the disc.

   Alternatively, run the following command from the product directory on the disc:

   ```bash
   setup /a
   ```

2. In the Open Text Master Setup application window, click **Install Product** and then click **Administrative Installation**.

   You can also select additional Open Text Connectivity products, register online, or view release notes from the Master Setup window.

3. In the **Setup Language Selection** dialog box, select a setup language and click **OK**. This language applies to all installations from the copied image or shared image.

Your Open Text Connectivity product prepares Open Text Setup Wizard, which guides you through the program setup process. It checks the operating system and the current Microsoft Windows Installer version.
If necessary, the Microsoft Windows Installer is updated. If the Microsoft Windows Installer is not present on your operating system, Open Text Setup Wizard installs the service.

Once Open Text Setup Wizard has finished, the Welcome To The Open Text Setup Wizard page opens.

**Note:** Open Text NFS Server cannot be installed if the Open Text NFS Server feature has already been installed by another product.

**To create a server image of the product:**

1. In the Open Text Setup Wizard, click Next on the Welcome page.

**Note:** To quit installation, click Cancel on any page of the Setup Wizard dialog box. Your computer is not affected if you do this before you click Install on the confirmation page. To review or change settings on a previous page, click Back.

2. On the Network Location page, specify the folder where the image is stored. You can accept the default folder for the product. Alternatively, you can click Change to open a dialog box to browse to an alternate network location.

3. On the Ready To Install Network Image page, confirm the settings and click Install. A status page opens, indicating the progress of the image creation.

4. Another page opens, indicating that installation is complete. Click Finish to close the dialog box.
Typical Installation Scenarios

This section describes three types of installation scenarios: personal installation, which includes installing on a terminal server and silent installation; advertised installation; and installation using Microsoft Systems Manager Server (SMS) or Microsoft System Center Configuration Manager (SCCM), which you can use to simultaneously install packages of software on multiple computers. The conditions and parameters affecting implementation in your environment may vary from these examples.

Personal Installation Scenario

Administrators (and non-Administrators granted elevated privileges by an Administrator) are able to perform a personal installation of Open Text Connectivity products.

Installing on a Terminal Server

You can perform personal installations on a Terminal Server. However, you will have no control over who can access shortcuts, user files, or use the product.

An alternative option is to enable product access control, in which case only users granted permission to use the product will have access to shortcuts and user files.

Note: Not all Open Text Connectivity products support product access control on a Terminal Server.

Silent Installation

A silent installation runs in the background. This scenario describes a local installation.

This scenario assumes:

- you are logged in to the computer as the (local) administrator
- the product disc is available locally or on the network
To run a silent installation:

Launch Open Text Setup Wizard from the command line using the following syntax:

```
E:\setup /S /V/qn [/l nnnn]
```

where E:\ is the optical disc drive.

The following describes possible command line options:

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/S</td>
<td>Specifies a silent installation. <strong>Note</strong>: S is uppercase.</td>
</tr>
<tr>
<td>/V/qn</td>
<td>/V passes parameters to Msiexec.exe. <strong>Note</strong>: There are no spaces between the /V and /qn options and the V is uppercase. If a character string contains a space, enclose the string in quotation marks. For example: /V&quot;parameter space&quot;</td>
</tr>
<tr>
<td>/l nnnn</td>
<td>Overrides the default English language installation where nnnn is the transform file name. <strong>Note</strong>: For nnnn, type only the number but not the .mst extension.</td>
</tr>
<tr>
<td>/RS</td>
<td>RE &quot;command&quot;</td>
</tr>
</tbody>
</table>

Installation proceeds to completion.
Advertised Installation Scenario

Advertisement (install on demand or deferred installation) means all features of a product are available even if they are not installed on the computer.

This scenario assumes:

• you are logged in to the computer as the (local) administrator
• the product disc is available locally or on the network

To advertise a product and all its features:

1. Launch Open Text Setup Wizard in advertisement mode by one of the following methods:
   • On the command line, type E:\setup /jm, where E:\ is the optical disc drive.
   • Run Msetup.exe from the product disc.

   Note: For a deferred installation, the product disc must be in an accessible drive.

2. An Open Text Connectivity product icon is installed on the computer desktop and in the Windows program group (on the Start menu) for each feature.

   Shortcuts and registry entries exist on the computer, but files are not installed.

   Note: Shortcuts for features requiring Administrative privileges will not launch correctly if the user does not have the required privileges to install the feature.
Microsoft Systems Management Server (SMS)

Administrators can use SMS or SCCM (Microsoft System Center Configuration Manager) to manage network computers, distribute software from a central location, and perform a variety of other system management tasks. Administrators can also install a package of products simultaneously on multiple computers.

Requirements:

- SMS version 2.0 with Service Pack 2 (or later)
- SMS Client (installed on each client computer) supplied with SMS Server
- Microsoft Windows Installer on the client computer

Note: For Windows 7/Server 2008 R2, you must have Microsoft System Center Configuration Manager (SCCM), which performs the same functions as SMS.

To distribute a product using SMS/SCCM, the Administrator must create a package definition file according to SMS/SCCM instructions. For convenience, Open Text provides default .sms files for all products.

These are the default scenarios in each package definition file:

- Typical Installation
- Typical Installation with Language
- Silent Typical Installation
- Silent Complete Installation
- Uninstallation
When a package is run through SMS/SCCM, it prompts you to select one of these options (scenarios). Use the following command line parameters to apply modifications or create new package definition files:

<table>
<thead>
<tr>
<th>Command Line Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/i</td>
<td>Installs or configures a product.</td>
</tr>
<tr>
<td>/q</td>
<td>Sets user interface level (silent).</td>
</tr>
<tr>
<td>INSTALLLEVEL=150</td>
<td>Performs a complete install.</td>
</tr>
<tr>
<td>TRANSFORMS=nnnn.mst</td>
<td>Specifies the product language where nnnn is the transform file name.</td>
</tr>
</tbody>
</table>

Refer to Microsoft documentation for command line parameters, switches, and other information required for Microsoft Windows Installer and SMS/SCCM.

**Sconfig**

Sconfig (Setup configuration) lets you customize the installation of any Connectivity product on local and network machines. Sconfig is included with the following products:

- Exceed
- Exceed PowerSuite
- HostExplorer
- Open Text Secure Terminal
- Open Text NFS Client
- Open Text NFS Solo
- Open Text NFS Gateway

Use Sconfig to customize the folders installed by Open Text Setup Wizard, determine what is installed (as well as limit functionality or optimize disk space), and simplify user input.
Chapter 1: Installing Open Text Connectivity Products

Installing Event Monitoring Server Files

To find out which Open Text Connectivity products include Event Monitoring Server functionality, see “Open Text Connectivity Applications” on page 111.

Files that are associated with the Event Monitoring Server and Event Monitoring Client Settings are not installed during product installation. For more information on installing Event Monitoring Server functionality, see the EventMonitoringReadMe.html file in the Program Files\Hummingbird\Connectivity\version\Installer Media\Event Monitoring Server folder on the product disc or in your product installation directory.

Exceed Connection Server Notes

Exceed Connection Server can also be installed on UNIX platforms. See the following table for UNIX system requirements. For detailed information on UNIX installation for Exceed Connection Server, see “Exceed Connection Server for UNIX Installation” on page 97.

<table>
<thead>
<tr>
<th>Component</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating system</td>
<td>SPARC Solaris 8 or later</td>
</tr>
<tr>
<td></td>
<td>x86 Solaris 9 or later, AMD64 Solaris 10 or later</td>
</tr>
<tr>
<td></td>
<td>HP-UX 11i (11.11) or later</td>
</tr>
<tr>
<td></td>
<td>AIX 5L Version 5.2 or later</td>
</tr>
<tr>
<td></td>
<td>Red Hat Enterprise Linux 4 or later</td>
</tr>
<tr>
<td></td>
<td>SuSE Linux Enterprise 10 or later</td>
</tr>
<tr>
<td></td>
<td>Linux, kernel 2.4 or later and glibc 2.3.2 or later</td>
</tr>
<tr>
<td>RAM</td>
<td>256 MB Minimum</td>
</tr>
<tr>
<td>Processor</td>
<td>SPARC v9 for Sun SPARC Solaris</td>
</tr>
<tr>
<td></td>
<td>PA-RISC 1.1 for HP-UX</td>
</tr>
<tr>
<td></td>
<td>PowerPC64 for AIX</td>
</tr>
<tr>
<td></td>
<td>Pentium i586 or AMD64 compatible for Sun x86 Solaris</td>
</tr>
<tr>
<td></td>
<td>and Linux platforms</td>
</tr>
<tr>
<td>Available disk space</td>
<td>1 GB (for installation)</td>
</tr>
<tr>
<td></td>
<td>250 MB (after installation)</td>
</tr>
</tbody>
</table>
Open Text NFS Notes

Open Text NFS Server and Open Text NFS Gateway support clustering. When you install these products, you have the option to install in a cluster environment and install Microsoft Management Console (MMC) snap-ins.

Installing in a Cluster Environment

Open Text NFS products support Windows Clustering Technology. If you want to run an Open Text NFS product in a cluster environment, the cluster service must be running when you install the product.

If the service is not running when you install the product, Open Text Setup Wizard lets you select one of the following options:

• continue the installation without installing the cluster components
• abort the installation

If you do not install the cluster components, the Open Text NFS product will not be cluster aware. If you abort the installation, you can restart the cluster service before installing the product again.

Installing Open Text NFS Consoles

Open Text provides Microsoft Management Console (MMC) snap-ins for Open Text NFS products. If you are an Administrator on your machine and you have installed the NFS Administration feature, you can configure local and remote Open Text NFS products through the console.

You can also install the NFS Administration feature by itself. In this case, you can configure remote Open Text NFS products through the console without installing the entire product on your local machine.
Troubleshooting

The following are common installation issues and questions along with suggested solutions. For further assistance with troubleshooting issues, contact Customer Support.

Multiple Instances of Open Text Setup Wizard

Another instance of Open Text Setup Wizard is running.

Solutions:

• An information dialog box informs you that an instance of Open Text Setup Wizard is already running. Confirm whether the new instance can continue.

• If a product is not currently being installed, you can ignore this error message and run:

```
Setup /v"HCL_OVERRIDE_INSTANCE=1"
```

The message also appears if a non-privileged user tries to uninstall a product installed for “All Users” of the computer. In this case, the setup parameter does not work since only an Administrator of the computer can uninstall the product.

• This error message appears if Microsoft Windows Installer is unable to remove a key created by Open Text Setup Wizard. This may be because Open Text Setup Wizard encountered problems during a previous installation and the key was not removed.

Delete the following key from the registry:

```
HKEY_CURRENT_USER/Software/Hummingbird/Connectivity
/version/installer/UserIni/InstallActive=1
```
Unavailable Network Resource
The feature you are trying to install is on a network resource that is unavailable.

Solutions:
• Click OK in the warning dialog box and try again.
• Enter an alternate path to the folder containing the installation package “Open Text Product.msi”. Run the install again and select Repair.
• Use Media Location Manager (part of the Administrator’s Toolkit feature) to specify an additional location for the product installation package. This lets Microsoft Windows Installer find the required resource.

Patch - Sourcedir Not Found Error
This means the source files are unavailable. When installing a patch, you need to have the source from which you installed.

Solution: The original product disc must be in the drive. If necessary, use Media Location Manager (in Administrative Tools) to specify a location for the source files.

Application Startup Issues Following Installation
After installation the software does not start. Services are not starting and/or files are missing.

Solution: Ensure the Administrator account is used to perform the installation. Installing Exceed requires elevated privileges (that is, a user who is a member of the Administrator group).

Retaining Advertised Shortcuts
When multiple products install the same shortcut, only the last product is registered with the shortcut. Uninstalling that product removes the shortcut. However, it is easily recreated by selecting the Repair option in Program Maintenance for one of the remaining products.
Files in Use During Migration
During a migration, the Files In Use dialog box may open. This may indicate that the setup process is using certain files. If this is the case, click Ignore to close the dialog box.

Product Access Control Enabled Installations (UsrSetup)
UsrSetup support for MUI is limited to shortcut tooltips and extensions. In addition, UsrSetup does not support MUI unless it is installed from an administrative image to which the MUI patch has already been applied.

Merging MUI Patch with an Administrative Image
Running `setup /a` from an administrative image where MUI is the setup language results in the MUI patch not being applied to the administrative image. To create a MUI-specific administrative image, you must manually merge the MUI patch.

Installation Conflict
When trying to install the product, a message says I must uninstall the product.

Solution: You have version 7.0 of the product installed. The upgrade process requires the original version 7.0 source files to install a later version of the product. If necessary, use Media Location Manager (in Administrative Tools) to specify a location for the source files.

Other Command Line Options for Msiexec
The following are command line options for `Msiexec`:

<table>
<thead>
<tr>
<th>Option</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>`/i Package</td>
<td>ProductCode`</td>
</tr>
<tr>
<td>`/f Package</td>
<td>ProductCode`</td>
</tr>
<tr>
<td><code>/a Package</code></td>
<td>An administrative installation option that installs a product on the network.</td>
</tr>
<tr>
<td>`/x Package</td>
<td>ProductCode`</td>
</tr>
</tbody>
</table>
Creating an Installation Log File

To generate a log file, run the following command:

```
setup /v"/1*v C:\install_log.txt"
```

where C:\ is the path to the file install_log.txt.
Product Registration

Online registration is available by:

• running \Msetup.exe from the product disc, then clicking Register Online
• completing and registering the form at the following URL:
  www.opentext.com/connectivity/register

Registration means that you and your organization are recognized as a licensed product owner with all rights and privileges, which means you are eligible to receive a wide range of customer services, such as notification of software updates and new products.
Chapter 2

Per-User Installation

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- Customizing Files and Folders 34
- Adding Registry Entries 34
- Updating the Personal User Directory for All Users 35
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- Migrating User Settings Manually 39
- Importing User Settings Manually 40

Controlling Uninstallation 40
Chapter 2: Per-User Installation

Controlling Per-User Settings

During the installation, default profiles and settings are installed in a common location for all users. This location, including all files and folders, acts as a template collectively known as the default user directory. When a user first logs in after a product is installed, `Humsettings.exe` launches using Microsoft’s Active Setup Control. `Humsettings.exe` copies the template to a user-specific (per-user) location or personal user directory. The product disc is not required.

Note: When installing a 32-bit product on an x64 operating system, User Settings does not launch automatically when a user logs on for the first time after the product has been installed. Instead, each user receives their personal user directory when an application is first launched.

The following are the default (root) directories:

<table>
<thead>
<tr>
<th>Directory</th>
<th>Location (Root)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal (Per-User)</td>
<td><code>AppDataFolder\Hummingbird\Connectivity\version\</code></td>
</tr>
<tr>
<td>Global Template</td>
<td><code>C:\Program Files\Hummingbird\Connectivity\version\</code></td>
</tr>
<tr>
<td></td>
<td><code>Default User</code></td>
</tr>
</tbody>
</table>

Administrators can refresh default files, profiles, and settings in the default user directory. Administrators control the global defaults contained in the default user directory while users control the contents of their personal user directory. Each application determines what personal data and what global data exists, but it only reads user-specific settings from the personal user directory or from the current user’s Microsoft Windows Registry.

Note: Administrators and users should change files and folders only below the root level.
Customizing Files and Folders

Any user who has write access can modify the default user directory. Typically, only Administrators have write access. Both files and registry entries can be added and removed. Such changes are reflected respectively in the personal user directory and the current user’s Microsoft Windows Registry.

Administrators can add files or folders below the level of existing root subfolders. These files or folders are automatically copied to the personal user directory. New root level subfolders are handled by PerUser Settings.ini located at the root of the default user directory. This file determines whether or not an installation is required. User Settings are automatically created when a user of the machine first launches an Open Text application.

Administrators can change the location of the personal user directory where the template files and folders are installed. Default locations are based on registry values. An administrator can change these values (even remotely) after the initial install.

For more information, see “Customizing Product Installations” on page 58.

Adding Registry Entries

Each root-level folder in the default user directory has an associated registry file. These are stored in the Registry folder. The [Registry Files] section in PerUser Settings.ini provides a method of associating a .humreg file (which is .reg file format) with an internal folder name. This is only for installing registry keys and values to the HKEY_CURRENT_USER registry hive.
Entries in [Registry Files] use the following syntax:

   FolderName=Short_humreg|Long_humreg

where:

- **Long_humreg** represents the path of the file (for example, Registry\Accessories.humreg) relative to the default user directory root.
- **Short_humreg** is the proper MS DOS 8.3 path name. If the Long_humreg file is described as a MS DOS 8.3 path, then Short_humreg and the pipe (|) character can be omitted.

Multiple .humreg files can be specified for a single folder by separating the paths with semi-colons.

**Updating the Personal User Directory for All Users**

When the default user directory is updated, any new personal user directories automatically get the latest files. For users that already have a personal user directory, Administrators can use one of the following methods to update the user files: automatic or manual.

**Automatic Update**

To update the personal user directory for each user automatically (the next time they use an Open Text application), update the [Last Modified] section of PerUser Settings.ini.

Run the following command from the command prompt:

```
HumSettings.exe UPDATELASTMODIFIED=FolderName
```

where **FolderPath** is the internal name for one of the top level, default user directory. Specify multiple directory names by separating the names with semi-colons.

Available folder names are ExceedMP, ExceedCSMP, HostExMP, ProfileMP, FtpMP, CommonMP, SecurityMP, HumNeighborhoodMP, DeploymentMP, NFSMaestroMP, and NFSClientMP.
HumSettings.exe is located in the Accessories folder in the product installation directory. For example:

c:\Program Files\Hummingbird\Connectivity\version\Accessories

**Note:** The time stamp is stored in binary format. If you change the time stamp values manually, you risk having the per-user installation run multiple times.

**Manual Update**

To manually update the personal user folder for a specific user, at the command prompt type:

```
HumSettings.exe REFRESH=ALL USER="user_profile_path"
```

where:

- **REFRESH=ALL** re-installs, repairs, or refreshes all installed product folders.
- **USER="user_profile_path"** specifies the profile path for the personal user directory.

For example:

```
HumSettings.exe REFRESH=ALL
USER="C:\Documents and Settings\user"
```

**Warning!** Do not include a backslash character (\) at the end of the USER command. Otherwise, the command line may be misinterpreted and lead to unexpected results.

**Passing Arguments to Per-User Settings**

When using HumSettings.exe to invoke the per-user installation process, you can pass parameters that affect the current installation. However, in the case of a per-user installation triggered by an application, there is not a command line to pass arguments to the process.
The [PerUser Installation Parameters] section of the PerUser Settings.ini file accepts arbitrary Property names and values:

```
[PerUser Installation Parameters]
REINSTALLMODE = ud
"Property" = "Value"
```

Each key and value pair is treated as an argument to the current per-user installation.

**Note:** There are limitations on parameter usage. For instance, the INSTALL and USER parameters have no effect because the installation is being triggered for only the current user.

---

### Migrating User Settings

#### Controlling Migration in Per-User Installations

Migration of user settings takes place at any time after the initial installation. This migration makes use of the Files And Settings Transfer Wizard engine to automatically upgrade older user settings to the current version.

The per-user installation uses the settings found in the [Migration Control Options] section of the PerUser Migration.ini to control the migration process.

A sample section is as follows:

```
[Migration Control Options]
Migration Method=Automatic
Migration First Time Only=2
HUMFST Path=C:\Program files\Hummingbird\Connectivity\version\Default User\MigBackupEx.humfst
```
where:

- The Migration Method value controls whether or not the migration takes place. The value is either Automatic or No Migration.
- The Migration First Time Only value determines what to do if the per-user migration takes place a second time. This can have a value of 0, 1, or 2. If the value is set to:
  - 0 — The per-user installation ignores any existing migration cache and attempts to migrate each time it is activated.
  - 1 — The per-user installation stops migration if any migration cache exists.
  - 2 — The per-user installation, before stopping, further examines the migration cache to determine if any new folders require migration.

Whenever a Connectivity product upgrades another Connectivity product, a choice of whether or not to preserve previous settings is presented by Open Text Setup Wizard on the Product Migration page.

At the end of the installation process, if settings were preserved, the .humfst file generated during the process is put in the Default User template folder, and the HUMFST Path is updated to reflect this value.

The HUMFST Path value represents the base .humfst file location. The per-user installation combines the information found within this file for older products with the .humfst generated for each individual user.

If the HUMFST Path value is empty, the per-user installation uses the appropriate [Directory Mappings.x.yz] section, where .x.yz is the version number of the older product. Each section is populated with old Home directory values from previous versions.

**Migrating from Older Versions**

You cannot upgrade the product as administrator if a version from 7 to 11 of the product was installed for the current user only. However, you can use the following procedure to migrate the product settings.
To perform a manual migration:

1. Using the Files And Settings Transfer Wizard, export existing version 7–11 product settings.
2. Uninstall the product.
3. Install the current version of the product (which forces an “All Users” installation).
4. Use Files And Settings Transfer Wizard to import the settings.

Migrating User Settings Manually

As an alternative to the per-user installation migration, you can use the Files And Settings Transfer Wizard command line to migrate user settings (including from one machine to another). This requires a base .humfst file and the current user .humfst file.

The base .humfst file represents a .humfst exported by the Files And Settings Transfer Wizard at the time the older product was installed.

To migrate user settings:

1. Export the current user .humfst using the following command where UserSettings is the name of the .humfst file you want to export:

    Fstwizard.com ACTION=ExportUser USERHUMFST=Base.humfst

2. Import the current user .humfst using the following command where UserSettings is the name of the .humfst file you want to import:

    Fstwizard.com HUMFST=Base.humfst ACTION=ImportUser USERHUMFST=UserSettings.humfst

**Note:** The export and import commands can take place on different machines.
### Importing User Settings Manually

Administrators can use the Open Text file transfer (.humfst) and filter (.humfstt) files to import user settings manually via the command line.

**To import user settings:**

On the command line, use the following command:

```
Setup.exe /v"IMPORT_HUMFST_PATH=c:\settings.humfst
IMPORT_HUMFSTT_PATH=c:\filter.humfstt"
```

where:

- `c:\settings` is the path to and name of the .humfst transfer file, and
- `c:\filter` is the path to and name of the .humfstt filter file you want to import

### Controlling Uninstallation

When a product is uninstalled, the personal user directory from the current user profile is removed. To prevent the user directory from being removed, you can set the `PERUSERPRESERVEPROFILES` property in Sconfig (or manually with Exceed) on the command line of an uninstall operation.

For complete control, set the property `PERUSERUNINSTALLTYPE` (or manually with Exceed) on the command line of an uninstall operation. It can be set to a string representing the exact command line parameters passed to `HumSettings.exe`. 
Product Access Control on a Terminal Server

Since version 10, a personal installation on a Terminal Server means that *all* users of the machine can use the product. Providing the same level of access control that existed in version 9 and earlier requires a two-stage process. This process consists of creating an administrative image on the Terminal Server, and installing the product onto the Terminal Server from the newly-created copy.

You can run a terminal server installation on:

- Windows Server 2003 (with Terminal Services enabled)
- Windows Server 2008/2008 R2 (with Terminal Server Role)

The following procedure assumes:

- you are logged onto the Terminal Server as the Administrator
- the product disc is available locally or on the network

**Stage 1: Creating an Administrative Image**

You must apply the appropriate product-specific transform to your Open Text product before the product can be installed on a machine with Terminal Server capabilities.
To launch Open Text Setup Wizard for installation on a Terminal Server:

1. From the product directory on the disc, run the following commands from a command prompt:

<table>
<thead>
<tr>
<th>Product</th>
<th>Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exceed</td>
<td><code>setup /a /v&quot;TRANSFORMS=ExceedTSE.mst&quot;</code></td>
</tr>
<tr>
<td>Exceed 3D</td>
<td><code>setup /a /v&quot;TRANSFORMS=Exceed3DTSE.mst&quot;</code></td>
</tr>
<tr>
<td>Exceed XDK</td>
<td><code>setup /a /v&quot;TRANSFORMS=ExceedXDKTSE.mst&quot;</code></td>
</tr>
<tr>
<td>Exceed PowerSuite</td>
<td><code>setup /a /v&quot;TRANSFORMS=ExceedPSTSE.mst&quot;</code></td>
</tr>
<tr>
<td>Exceed Freedom</td>
<td><code>setup /a /v&quot;TRANSFORMS=ExceedEFTSE.mst&quot;</code></td>
</tr>
<tr>
<td>Exceed x64</td>
<td><code>setup /a /v&quot;TRANSFORMS=Exceedx64TSE.mst&quot;</code></td>
</tr>
<tr>
<td>Exceed 3D x64</td>
<td><code>setup /a /v&quot;TRANSFORMS=Exceed3Dx64TSE.mst&quot;</code></td>
</tr>
<tr>
<td>Exceed XDK x64</td>
<td><code>setup /a /v&quot;TRANSFORMS=ExceedXDKx64TSE.mst&quot;</code></td>
</tr>
<tr>
<td>Exceed PowerSuite x64</td>
<td><code>setup /a /v&quot;TRANSFORMS=ExceedPSx64TSE.mst&quot;</code></td>
</tr>
<tr>
<td>Exceed Freedom x64</td>
<td><code>setup /a /v&quot;TRANSFORMS=ExceedEFx64TSE.mst&quot;</code></td>
</tr>
<tr>
<td>HostExplorer</td>
<td><code>setup /a /v&quot;TRANSFORMS=HostExTSE.mst&quot;</code></td>
</tr>
<tr>
<td>Open Text NFS Client</td>
<td><code>setup /a /v&quot;TRANSFORMS=NFSClientTSE.mst&quot;</code></td>
</tr>
<tr>
<td>Open Text NFS Client x64</td>
<td><code>setup /a /v&quot;TRANSFORMS=NFSClientx64TSE.mst&quot;</code></td>
</tr>
<tr>
<td>Open Text Secure Shell</td>
<td><code>setup /a /v&quot;TRANSFORMS=OTSSTSE.mst&quot;</code></td>
</tr>
<tr>
<td>Open Text Secure Shell x64</td>
<td><code>setup /a /v&quot;TRANSFORMS=OTSSx64TSE.mst&quot;</code></td>
</tr>
<tr>
<td>Open Text Secure Terminal</td>
<td><code>setup /a /v&quot;TRANSFORMS=OTSTTSE.mst&quot;</code></td>
</tr>
<tr>
<td>Open Text Secure Terminal x64</td>
<td><code>setup /a /v&quot;TRANSFORMS=OTSTx64TSE.mst&quot;</code></td>
</tr>
</tbody>
</table>

2. In the Setup Language Selection dialog box, select a setup language and click OK.

**Note:** The language you select during this setup process will be the language of the administrative image.
Your product prepares Open Text Setup Wizard, which guides you through the program setup process. It checks the operating system and the current Microsoft Windows Installer version.

If necessary, the Microsoft Windows Installer is updated. If the Microsoft Windows Installer is not present on your operating system, Open Text Setup Wizard installs the service. Once Open Text Setup Wizard has finished, the Welcome To The Open Text Setup Wizard page opens.

**To create an Administrative Image on the Terminal Server:**

1. In the Open Text Setup Wizard, click Next on the Welcome page.

   **Note:** To quit installation, click Cancel on any page of the Setup Wizard. Your computer is not affected if you do this before clicking the Install button on the confirmation page. To review or change settings on a previous page, click Back.

2. On the Network Location page, do the following:

   a) Specify the location for the image. You can accept the default folder for the product. Alternatively, you can click Change to open a dialog box to browse to an alternate network location.

   b) Click Next. A folder with the default name `Admin` is created on the Terminal Server. The Administrative Image is stored in the `Admin` folder.

   **Note:** Each user has private shortcuts, registry entries, and user files. Shared user capabilities are not supported.

3. On the Ready To Install Network Image page, confirm the settings and click Install. A status page opens, indicating the progress of the image creation.

   **Note:** The Administrative Image must be readable by all users who are granted permission to use the product you are installing. Each user must have read access to the MSI file and any transform files used to install the product.
Another page opens, indicating that installation is complete. Click Finish to close the dialog box.

Stage 2: Personal Installation

After creating an Administrative Image, you can install personal installations of your product onto the Terminal Server from this image.

Upon completion of Stage 2, the per-user installation of the product is enabled and your product will be automatically installed into the appropriate user profile the next time each user logs on.

Note: For Exceed, you can perform this procedure later by modifying Performance settings in Xconfig.

If users are granted product access permission through an Open Text Product User Group, your product automatically installs into the appropriate user profile the next time user group members log on. Also, your product will automatically uninstall from profiles of users who are not user group members.

Note: Windows User Groups must be created manually. Consider creating a User Group to be sure products can be uninstalled for individual users.

The default group names are as follows:

- Exceed_{versionnumber}_Users is the default group name for Exceed, Exceed Freedom, Exceed 3D, Exceed XDK, or Exceed PowerSuite users.
- HostExplorer_{versionnumber}_Users is the default group name for HostExplorer users.
- NFSMaestro_{versionnumber}_Users is the default group name for Open Text NFS users.
- SecureShell_{versionnumber}_Users is the default group name for Open Text Secure Shell users.
- SecureTerm_{versionnumber}_Users is the default group name for Open Text Secure Terminal users.
Chapter 3: Installation on a Terminal Server

where \textit{versionnumber} is the version number of the product you are installing. For example, \texttt{Exceed12_Users} is a default group name for Exceed PowerSuite users.

**To install a product for use with Product Access Control on the Terminal Server:**

1. From the command line, change the directory to \texttt{C:\Admin} and run the following:

   \texttt{setup.exe}

   where \texttt{C:\Admin} is the name of the drive and folder where the Administrative Image is located.

   \begin{note}
   For Exceed and HostExplorer, the Admin folder and its contents must remain available during the lifetime of the product on the Terminal Server. Multiple Terminal Servers can share the same Admin folder.
   \end{note}

2. Click OK.

3. The Product Migration page opens if a previous version of this product or another compatible Open Text product is installed. Review the product(s) that will be removed if you continue with the installation process. Specify whether you want to migrate or remove existing settings and click Next.

4. In the Open Text Setup Wizard, click Next on the Welcome page.

   \begin{note}
   To quit installation, click Cancel on any page of the Setup Wizard. Your computer is not affected if you do this before clicking Install on the confirmation page. To review or change settings on a previous page, click Back.
   \end{note}

5. On the License Agreement page, read the licensing agreement. If you select the option that indicates the terms are acceptable, click Next.

   \begin{note}
   Failure to read or understand the License Agreement does not affect the terms and conditions of the agreement.
   \end{note}
Some options are dimmed and appear for information purposes.

Destination Folder is synonymous with home directory (the directory in which the product is installed).

6 On the Customer Information page, type the appropriate information in the User Name and Organization boxes, and click Next.

7 On the Destination Folder page, specify the installation folder and click Next. Some product features are not affected by changes to the destination folder.

You can accept the default installation folder for the product. Alternatively, you can click Change to open a dialog box to browse to another location, and then click OK.

**Note:** This step is not applicable to Exceed 3D or Exceed Freedom.

8 On the Setup Type page, select a setup type and click Next.

9 Depending on the setup type, do the following:
   - If the Custom setup type is selected, the Custom Setup page opens. Select which features and sub-features you want to install and click Next.
   - If the Complete setup type is selected, the Event Monitoring Client Settings page opens. This page also opens if Event Monitoring Client is selected in Administrative Tools for Custom setup. Type the required information and click Next.

**Note:** This step is not applicable to Exceed 3D or Exceed Freedom.

10 On the Ready To Install page, confirm the installation settings. When you are ready to begin installing, click Install. A status page opens, indicating the progress of the installation.

**Note:** The Administrator determines the setup type used for Open Text product installation in user profiles.
Chapter 3: Installation on a Terminal Server

11 Another page opens, indicating that installation is complete. Click Finish to close the dialog box.

**Note:** Depending on the Open Text product you are installing, you may be required to restart the machine for the installation to take effect.

Removing Product Access Control from a Terminal Server

For information about product modification, repairs, or uninstalling using the Add/Remove Programs option, see “Program Maintenance for Personal Installations” on page 13.

You must have administrative access to remove your product from the Terminal Server using the Add/Remove Programs option. The Add/Remove Programs procedure removes the binary files from the Program files folder and prevents existing users from using the product. Existing personalized user settings and shortcuts are removed automatically for each user.

**Note:** To uninstall a product from the Terminal Server for one or more users, but not for all users, remove the user(s) from the user group. Do not delete the user(s). For information on creating and managing user groups, see Microsoft Windows Help.

If the Exceed parent product is not available to the user—either because it is uninstalled or access permission has not been granted—Exceed 3D and Exceed XDK are removed as well.

If you want to disable UsrSetup and remove the UsrSetup file from the machine, ensure that the following conditions are true:

- You are not planning to install your product again.
- The Terminal Server personal installation has been uninstalled using the Add/Remove Programs option. After this uninstallation, when a user logs on, customized settings and user files are automatically uninstalled from his/her user profile.

**Note:** You can disable UsrSetup and remove the UsrSetup file only after this process is complete. Disabling UsrSetup is an optional procedure.
To disable UsrSetup:

1. From the Terminal Server command line, run the following command:
   
   `%WINDIR%\System32\Hummingbird\Connectivity\UsrSetup\unregserver`

2. Remove the following files from the Terminal Server machine:
   
   - UsrSetup
   - Humpufst.dll (located in the Program Files\Hummingbird\Connectivity\version\Accessories folder)
   - Humtsfst.dll (located in the Program Files\Hummingbird\Connectivity\version\Accessories folder)
# Chapter 4

## Custom Installation with Sconfig

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Customizing Installations with Sconfig

Users in an enterprise environment have different software needs. Even in the case of a single application used by many users, differences in user requirements and granted privileges often necessitate tailored installations. For example, some users may require product features such as HostExplorer and FTP settings files to connect to frequently used hosts, while other users may require specific font settings and features to be installed with their products.

Sconfig works with Microsoft Windows Installer database files (.msi and .mst) to let you create customized installations of Open Text Connectivity products for users with different needs.

Sconfig lets you do the following:

• Customize the directories in which the product is installed, and add custom folders.
• Tailor the list of applications or components to be installed. You can alter the list to limit the functionality available to users, or to optimize the use of disk space.
• Simplify user input during installation by preselecting information, such as the properties of the software being installed.
• Manage registration keys and environment variables.
• Provide a uniform user experience, and maintain a uniform system configuration across the network.

Note: Sconfig is not installed if you select the Typical installation type. When installing your Open Text product on the administrator machine, you must choose the Custom or Complete installation.

How Does Sconfig Work?

Sconfig works with Microsoft Windows Installer database files (.msi and .mst) to let you create customized installations of Open Text Connectivity products for users with different needs. Knowing how these files function together to configure an installation will help you understand the process of creating a custom installation with Sconfig.
Microsoft Software Installation Files (.msi)  Microsoft Windows Installer uses Microsoft Software Installation files (.msi) to install the Open Text product. An installation file is a database file that contains default installation information specifying which product components are installed and in which directories.

Microsoft Transform Files (.mst)  When a user alters an installation in Microsoft Windows Installer, the changes are not applied directly to the installation files, but stored in a secondary file called a Microsoft Transform file (.mst). Like the installation file (.msi), the Microsoft Transform file is a relational database with information about product components and installation directories, but the transform file contains only the amendments a user wants to apply to the default settings contained in the installation file. The result is a customized installation.

Sconfig and Windows Installer Database Files  Sconfig makes use of the relationship between installation (.msi) files and transform (.mst) files. Instead of changing the product’s preconfigured installation file, Sconfig saves all amendments in a transform file. You can then package the transform file with an installation and distribute the customized installation to a target user group. If changes are required in the future, you can also use Sconfig to open and update previously generated transform files.

When preparing for multiple custom installations, you need to create a separate transform file for each group of users. You can then apply each transform file to the installation file for the Open Text Connectivity product.
Overview of Creating Transform Files

When you start Sconfig, the Sconfig Wizard opens with a welcome page. The next two wizard pages let you specify the installation file (.msi) for the Open Text product that you want to work with and the transform file (.mst) you want to create or modify. The wizard then displays the Customize page. The option tree located in the left pane of the window provides access to all of the options and settings that you can use to customize the installation. The availability of some options is dependent on the Open Text application associated with the installation file you selected and whether you indicate that you are creating a transform file for a Terminal Services (TSE) client.

The options are grouped into the following categories on the Customize page:

**Product Directories** The Directories options let you customize product directories for the installation. Expand this option group to access the Custom Folders options to add custom folders to the installation.

**Product Features** The Features options let you specify which optional product features you want to install.

**Files** These options let you add external files to the product installation.

**Product Properties** The Properties options let you customize properties to change the behavior of the installation package and set properties for product features.

**Registry** These options let you preset the registry editor for any Windows operating system registry. The advantage of editing the registry before the installation is that it saves time, especially when installing for multiple target machines.

**Custom Shortcuts** The Shortcut options let you create custom shortcuts on user machines for any product feature you add to the installation database.

**Event Monitoring Properties** The Event Monitoring options let you import properties and previously specified component event settings for Event Monitoring Server.

**Environment Variables** These options let you configure and manage PATH and other environment variables.
User Settings Transfer  These options let you install or migrate product settings.

Profile Spaces  These options let you import Profile Spaces created with Profile Space Editor.

Directory Services Properties  Available only for Open Text NFS and Exceed installations, the Directory Services options let you specify property settings for Directory Services as well as service-specific property settings for LDAP, NFSD, NIS and NIS+.

Exceed Properties  Available only in Exceed installations, the Exceed Settings options let you modify or remove Exceed-specific properties.

Custom Font Directories and Servers  Available for Exceed and Open Text Exceed PowerSuite installations, the Custom Fonts options let you install customized font directories and servers to the Exceed Xconfig utility. For more information on Xconfig, see Exceed Help.

Custom Font Paths  Available only for Exceed and Open Text Exceed PowerSuite installations, the Font Path options let you change the order in which font directories/servers are loaded by the X server.

NFS Properties  Available only for Open Text NFS and Open Text Exceed PowerSuite installations, the NFS Client Settings option lets you modify or remove properties for Open Text NFS Client.

After you make the necessary modifications in each of the option categories, the wizard lets you generate and save the transform file (.mst), which you can then apply to an installation.

Opening the MSI and MST Files

Before you can customize the installation options and settings, you must use the wizard to specify the installation file (.msi) you want to work with, as well as the transform file (.mst) you want to create or modify. You can also indicate if the transform file you want to create is intended for installation on a terminal server.
To open an MSI and MST file:

1 On the Start menu, in the Administrative Tools group for your Open Text product, click Sconfig. A welcome page opens. Click Next to continue.

2 On the Database Selection page, specify the installation file (.msi) that you want to customize and click Next. You can choose an installation file in one of the following ways:
   - Specify an installation file that you previously configured.
   - Browse for a new installation file.

3 On the Transform Selection page, specify the transform file (.mst) that you want to create. You can specify a transform file in one of the following ways:
   - Specify a transform file that you previously configured.
   - Browse for a new transform file by clicking the Browse button.
   - Create a new one yourself. You can do this by clicking the Browse button and specifying a name and location for the file.

   **Note:** If you selected a transform file that was generated with a previous version of Sconfig, the user interface may differ from what is documented.

4 If the transform file you want to create is intended for installation on terminal servers, select Create Terminal Services (TSE) Client Transform.

   **Note:** If you selected a TSE-specific .msi file on the Database Selection page, this option is not available.

5 Click Next to continue.

The Customize page opens. This page lets you configure the product installation options and settings.
Customizing Product Installations

Product Installation Directories

The Directories options let you specify where you want the product to be installed. Depending on the type of installation you are configuring, local or Terminal Server (TSE), you can set one or both of the following directories:

- Destination
- Current User

To customize product installation directories:

1. Click Directories in the option tree. The Directories pane opens.
2. If you are creating a terminal server transform, proceed to step 3. Otherwise, in the Destination Folder box, type the directory where you want all executable and non-volatile files to be stored. An additional destination folder box appears only if you are creating a transform for a 64-bit installation.
3 Select one of the two user directory options. (In TSE mode, only the first of the following options appears.)

- Individual user directory—Type the directory where all volatile files will be stored for the current user. This path is used to generate the personal user directory for every user of the machine. Use a property that changes from user to user so that the path is unique for each. For example, you can use UserName or AppDataFolder.

- Single user directory—Type the directory where you want user files to be shared among all users of the destination machine. This could be any folder on the machine.

4 If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

**Adding Custom Folders to an Installation**

These options let you add your own folders to the directory structure. For example, if you want to add your own fonts to the installation and want them to be installed in a dedicated folder, you can add a custom fonts folder. Once you have created custom folders, you can then add subfolders.

This functionality is not available in TSE mode.

**Note:** To add files to a newly created folder, see “File Installation” on page 63.
To add a folder:

1. In the option tree click Custom Folders under Directories. The Directories: Custom Folders pane opens.

2. Click Add New. The Add Custom Directory dialog box opens.

3. From the Choose Parent Directory Macro list, select the directory macro you want to use to create the new folder. The name of the macro appears in the New Directory Macro box with an incremented number. The Default Destination Path lists the directory in which the new folder will be created. The macro you select from the Choose Parent Directory Macro list determines the location of the new folder.

4. In the New Directory Name box, assign the new custom folder a name. If the custom folder name exceeds 8 characters or contains a space, you must use the following format:

   \[ \text{shortname}\mid\text{longname} \]

   where \text{shortname} is an 8.3 MS DOS name for the folder name and \text{longname} is the full folder name.

5. If you want the installation to create the folder even if the folder does not contain any files, select the Always Create This Folder check box.

6. Click OK to create the custom folder and return to the Directories: Custom Folders pane.

7. The folder appears in the list of custom directories. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

To add a subfolder:

1. In the option tree, click Custom Folders under Directories. The Directories: Custom Folders pane opens.

2. On the Directories: Custom Folders pane, select the folder where you want to add a subfolder and click Add Sub Folder. The Add Custom Directory dialog box opens with the parent directory macro set by the custom folder you selected.
Chapter 4: Custom Installation with Sconfig

The name of the macro appears in the New Directory Macro box with an new increment number. The Default Destination Path lists the directory in which the new folder will be created. The macro you select from the Choose Parent Directory Macro list determines the location of the new folder.

8.3 file names have a maximum of 8 characters optionally followed by a dot (.) and then a maximum of three characters. For example, you could use myfold-1 for My Folder.

3 In the New Directory Name box, type the name for the new subfolder. If the subfolder name exceeds 8 characters or contains a space, you must use the following format:

\[ \text{shortname} | \text{longname} \]

where shortname is an 8.3 MS DOS name for the subfolder name and longname is the full subfolder name.

4 If you want the installation to create the subfolder even if it does not contain any files, select Always Create This Folder.

5 Click OK to create the custom subfolder and return to the Directories: Custom Folders pane.

6 The folder appears in the list of custom directories. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

Product Feature Availability

The Features options let you specify product features you want to install with your Open Text products. Recognizing features commonly used by specific users is useful when customizing feature installations. Some may use the product at an administrative level (system administrators) and will find monitoring, tracing and troubleshooting features very useful components of their installation. Others who use the product at an end-user level may have no use for administrative features.
The process of selecting features in Sconfig is similar to customizing a product installation using Windows Installer. Sconfig also lets you specify sub-features for each feature you enable, and you can install shortcuts to help users access commonly used features quickly.

To configure the availability of product features:

1. In the Features pane, expand the product feature tree to view the features available for the product.

2. Select or clear the features you want to add to or remove from the installation. The Feature Description area provides information on the selected feature. Check marks indicate that the feature will be installed.

   **Note:** Removing a feature or sub-feature in Sconfig deletes it from the transform file (.mst). These changes must then be reapplied to the installation file (.msi) to reflect the update.

3. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.
File Installation

Sconfig lets you add to the installation external program files such as e-mail, drawing and graphics files, or other executable files that users need to carry out routine tasks. You can also specify the destination path for the file and specify the circumstances under which the file is installed.

To access the Files options:
Click Files in the option tree. The Files pane appears in the wizard window.

To add an external file to an installation database:
1. In the Files pane, click Add. A Windows Open dialog box opens.
2. Select a file and click OK. The Add/Modify File dialog box opens.
3. From the drop-down list, select a destination path folder. This folder can be a Windows systems folder, an Open Text Connectivity folder, or a custom folder.
If you want to add the file to a subfolder within the destination folder, do the following:

a) Click Add Sub Folder. The Add Custom Directory dialog box opens.

b) In the New Directory Name box, type the name you want to assign the new subfolder and click OK. If the subfolder name exceeds 8 characters or has a space, you must use the following format:

\[ \text{shortname}|\text{longname} \]

where \text{shortname} is an 8.3 MS DOS file name for the subfolder name and \text{longname} is the full subfolder name.

With the Install With Feature drop-down list, you can do one of the following:

- If you select a feature, the file is installed only when the feature is installed.
- If you select Always the file is installed with every installation, regardless of features.

Click OK. The Files pane lists the added file.

If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

To modify external file installation settings:

In the Files pane, select the file and click Modify. The Add/Modify File dialog box opens. You can change the following settings:

- To change the file destination folder, select a new destination path folder from the list.
- To change the feature with which the file gets installed, from the Install With Feature list, select a different feature or select Always and click OK.

The Files pane lists the external files currently in the installation database. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.
To remove an external file from an installation database:

In the Files pane, select a file from the list and click Remove. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

**Note:** Removing a file in Sconfig deletes it from the transform file. These changes must then be reapplied to the installation file to reflect the update when the application is installed.

**Product Properties**

Sconfig lets you specify product properties for the Open Text product you want installed, properties that make the best use of the Open Text Connectivity product features and that facilitate each user’s installation session.

The Properties pane lists both the properties that are required for product functionality and the optional properties. You can add optional properties that customize product features, such as the `COMPANYNAME` property which includes the name of your organization in the product installation. You can also include properties that control user input during installation, such as the `TransformSecure` property, which protects your transform files from user modification. Other optional properties define the installation behavior of the product, such as the `ALLOWBROWSE` property, which lets the product browse to the home directory during an installation.
You can also set properties specifically for Exceed or for Open Text NFS Client. However, these properties are available only when installing the appropriate installation files. For more information on Exceed properties, see “Exceed Properties” on page 82. For more information on Open Text NFS Client properties, see “Open Text NFS Client Properties” on page 81.

Modifying and Removing Properties

You can clean the installation database of properties that are no longer in use. Some scenarios that may require the removal of a property include changes made to:

- feature requirements
- user privileges during an installation session
- user permissions for the software

To access the Properties options:

Click Properties in the option tree. The Properties pane appears in the wizard window.
To add a property to an installation database:
1. In the Properties pane click Add. The Add Property dialog box opens.
2. From the first box, select a property. The bottom panel of the dialog box provides the validation information for the property.
3. In the second box, type or select a value for the new property and click OK.
4. The Properties pane appears listing the new property you added to the installation database. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

To modify a property in an installation database:
1. In the Properties pane, select a property.
2. Click Modify. The Modify Property dialog box opens. The bottom panel of the dialog box provides the validation information for the property.
3. In the drop-down box, type or select a new value for the property and click OK.
4. The Properties pane lists the properties currently added to the installation database. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

To remove a property from an installation database:
In the Properties pane, select a property from the list and click Remove. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.
Registry Keys

Sconfig lets you customize the general software settings of your Open Text product. After your product installation file installs the custom components and files on the target machine, it can write the custom registry keys and values set in Sconfig to the system registry. You establish the keys and values the installation file writes to the system registry by setting them up in the transform file generated in Sconfig.

To access the Properties options:

Click Properties in the option tree. The Properties pane appears in the wizard window.

To add a registry key to an installation database:

1. In the Registry pane, click Add. The Add/Modify Registry Entry dialog box opens.
2. In the Root drop-down list, select a hive name.
3. In the Data Type drop-down list, select a data value type.
4. In the Key box, type the registry key name.
5. In the Value Name box, type the registry value name.
6  In the Value Data box, type the registry data value and click OK. The Registry pane appears listing your new keys. When they are available, you can use the Hexadecimal and Decimal radio buttons to convert the value data from base-16 number system to base-10 or vice versa.

7  If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

To modify a registry key in an installation database:
In the Registry pane, select the registry entry you want to change and click Modify. The Add/Modify Registry Entry dialog box opens. You can do the following:

- To change the existing hive name of the registry key, from the Root drop-down list, select the new hive name.
- To change the existing value type of the registry key, from the Data Type drop-down list, select the new data value type.
- To change the existing name of the registry key, in the Key box, type the new name for the registry key.
- To change the existing registry value name, in the Value name box, type the new registry value name.
- To change the existing registry data for the key, in the Value data box, type the new registry data.

When you have made the necessary changes, click OK. The Registry pane lists the registry keys currently in the installation database. If you have made all the necessary modifications to the installation options, click Next. Otherwise, select the next option group.

To remove a registry key from an installation database:
In the Registry pane, select a registry key from the list and click Remove. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.
Shortcuts for Open Text Product Features

This option lets you provide users with quick access to commonly used Open Text Connectivity components. You can create and store shortcuts in existing Open Text folders, or create custom folders for your shortcuts.

To access the Shortcut options:

Click Shortcut in the option tree. The Shortcut pane appears in the wizard window.

To set a custom shortcut:

1. In the shortcut tree displayed in the Shortcut pane, right-click the folder to which you want to add a new shortcut. In the pop-up menu, click Add Shortcut Here. The settings appear on the right side of the wizard window.
2 In the Name text box, type the name of the shortcut that you want to add. To rename a shortcut, select the name of the shortcut in the Name box and enter the new name. The name must appear in the format:

\[ \text{short name}|\text{long name} \]

where the short name is an 8.3 MS DOS name and the long name is the name of the shortcut as it appears on the Windows desktop. For example,

ExceedF|Exceed Finger

3 If you want to include a tooltip for the shortcut, type a description in the Description text box.

4 From the Install With drop-down list, select the component for which you want to provide a shortcut. The installer uses the installation state of this component to determine whether to create or delete the shortcut.

5 From the Target drop-down list, select the destination folder of the component for which you want to provide a shortcut.

6 The Default Path text box displays the destination path of the component for which you want to create a shortcut.

7 If you want to provide any arguments for this shortcut, type them into the Arguments text box.

8 In the Icon area, click Select to open the Change Icon dialog box. In this box, select an icon to associate with the shortcut and click OK. The icon you selected is displayed in the wizard.

9 If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

Note: For advertised shortcuts, the file opened by the shortcut is the file associated with this feature. When you activate this shortcut, Windows Installer verifies that all components in the feature are installed before opening the file. For non-advertised shortcuts, the field should contain a property identifier enclosed in square brackets.
To create custom folders for shortcuts:
In the Shortcut tree displayed in the Shortcut pane, right-click the folder to which you want to add a new folder for your shortcut. In the menu, click Add Folder.

If you want to remove a custom folder, click Remove Folder. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

To modify a shortcut:
In the Shortcut tree displayed in the Shortcut pane, click the shortcut you want to modify. The settings you can edit are displayed on the right side of the wizard.

To remove a shortcut:
In the Shortcut tree displayed in the Shortcut pane, right-click the shortcut you want to remove. In the menu, click Delete Shortcut. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

Event Monitoring Settings
The Sconfig interface provides you with the information you need to manage Event Monitoring properties. You can import properties and view their settings and definitions.

The Event Monitoring pane displays the following information tables:

- The Server Information table lists the available Event Monitoring properties. It also displays the setting or value currently associated with the property and provides a brief description of each property.
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- The Component Events table lists component monitoring settings and status.

![Sconfig Interface](image)

**Note:** Use the administrative utility in Event Monitoring Client Settings to configure application event monitoring and then import the settings into Sconfig.

**To access the Event Monitoring options:**

Click Event Monitoring in the option tree. The Server Information and Component Events tables appear in the right pane.

**To import previously configured component event settings:**

1. Use the Event Monitoring Client Settings utility to configure event monitoring for Open Text Connectivity applications. You can access this utility from the Start menu, in the Administrative Tools group for your Open Text product. For more information, refer to the Help for Event Monitoring Client Settings.

2. On the Event Monitoring options pane in Sconfig, click Import.

The Server Information and Component Events tables are populated with the imported component event settings.
To revert to the default component event settings:

If you want to revert to the settings as configured in the original product installation file (.msi), click Default.

Environment Variables

You can use the Environment Variables options to customize PATH and other environment variables for the installation.

When customizing variable values, keep the following rules in mind:

- If you specify no value for a variable, the variable is removed.
- To append a value to an existing variable, prefix the value string with the Null [~] symbol and the separator character. For example, if the semicolon is the chosen separator, type the following: [~];value.
- To prefix a value to an existing variable, append the value string with the separator character and the Null [~] symbol. For example, if the semicolon is the chosen separator, type the following: value;[~].
- If no Null[~] symbol is present, the string represents the entire value you want to set or delete.
- To avoid unpredictable results, specify only one value per variable. For example, avoid the following: value;value;[~].
To access the Environment Variables:
Click Environment Variables in the option tree. The Environment Variables pane opens.

To add a custom environment variable to an installation database:
1. Click Add. The Add dialog box opens.
2. Type or select a variable from the Variable Name drop-down list. The Variable Value for Current User box displays the value of the specified variable if it exists.
3. In the Variable Value box, specify the value for the variable.
4. Use the Apply To All Users setting to indicate whether you want the variable to apply only to the current user, or to all users of the target machine.
5. Click OK. The environment variable appears in the wizard window.
6. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

To modify an existing environment variable:
1. In the Name column, select the variable you want to modify and click Modify. The Modify dialog box opens displaying the current settings for the selected variable.
2. You can make the following modifications:
   • In the Variable Value box, specify a new value for the variable.
   • Use the Apply To All Users setting to indicate whether you want the variable to apply only to the current user, or to all users of the target machine.
3. Click OK.
4. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.
To remove an environment variable from an installation database:

In the Name column, select the variable you want to delete and click Remove. The variable is removed from the Environment Variable list in the wizard window. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

User Settings

These options let you migrate Open Text Connectivity product settings by allowing you to include, in the installation, settings transfer files (.humfst) generated with Files And Settings Transfer Wizard. These files contain registry entries and user settings for any Open Text Connectivity product. For information on creating settings transfer files, see Files And Settings Transfer Wizard Help.

To add a settings file to an installation database:

1. In the User Settings Transfer pane, click Add. The Add dialog box opens.
2. Use the Sequence box to specify the order in which you want Sconfig to add the file to the installation.
3. Use the browse button to select the settings transfer file you want to add to the installation.
4 If you want the file to be added to the installation only under specific circumstances, you can use the Condition box to include Microsoft Windows Installer conditions or other supported properties.

5 In the Description box, you can provide a useful description of the settings transfer file if necessary.

6 Click OK. The file appears in the User Settings Transfer pane with the information you specified.

To modify the settings of a previously added settings transfer file:

In the User Settings Transfer pane, select the settings transfer file for which you want to modify the inclusion settings and click Modify. In the Modify dialog box, make the necessary change, and click OK.

To remove a previously added settings transfer file from an installation database:

In the User Settings Transfer pane, select the settings transfer file you want to remove, and click Remove.

Product Profile Spaces

Profile Spaces provide administrators with the ability to distribute profiles to multiple end users by creating a variety of profiles and placing them in specific locations (Profile Spaces). Each Profile Space can be assigned different access privileges. By default, applications are installed with one Profile Space (My Profile Space), but administrators can create additional spaces and designate any of them as the default Profile Space.
Profile Space Editor is the tool for creating and registering new File System or LDAP Profile Spaces. Sconfig lets you import, into the installation database, the Profile Spaces you create with the wizard. For more information on creating Profile Spaces, see Profile Space Management Help.

To import Profile Spaces:

1. On the Start menu of the machine running Sconfig, start the Profile Space Editor from the Administrative Tools group for your Open Text product. Use the editor to create the necessary Profile Spaces.

2. On the Sconfig Customize page, open the Profile Spaces pane.

3. Click Import. Sconfig imports all Profile Spaces found on the local machine.

**Warning!** Before importing, Sconfig deletes all Profile Spaces that already exist in the transform file (.mst). Any of these deleted spaces that is not represented locally is lost.

The imported Profile Spaces appear in the Profile Spaces pane. A check mark indicates the default.
To remove a Profile Space:

In the Profile Spaces pane, select the Profile Space you want to remove and click Remove.

**Note:** The Profile Space is removed from the transform file (.mst) only. It is not removed from the local machine.

**Directory Services Settings**

These settings are available for Exceed and Open Text NFS Client installations only.

Before you configure Directory Services settings in Sconfig, it is recommended you configure a local installation of Directory Services. You can then import the settings into Sconfig to add them to the installation database. The Sconfig interface provides you with the information you need to then modify or remove the settings for LDAP, NFSD, NIS and NIS+ directory services if necessary.

The Directory Services pane lists the available properties. It also displays the setting or value currently associated with the property, if any, and defines the property so that you can make any necessary changes.

To access the Directory Services options:

- To view common properties, click Directory Services in the option tree. The Directory Services pane appears in the wizard window listing common properties.
- To view service-specific properties, expand the Directory Services option tree item, and click the directory service (LDAP, NFSD, NIS, or NIS+) you want to manage.
To import Directory Services property settings:

1. Ensure that the local installation of Directory Services is configured as required.
2. In the option tree, select the directory service type for which you want to import a property.
3. Click Import. Sconfig reads and imports the values from all the registries for Directory Services and lists the imported values in the Value column.
4. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

To modify Directory Services property settings:

1. In the option tree, select the directory service type.
2. In the pane that appears, select the property you want to modify. Its current setting (if any) and a description are provided in this pane.

Note: If you have not imported property settings from a local installation of Directory Services, no values are displayed.
3 Click Modify. The Modify Property dialog box opens and identifies the property you are modifying and its current setting (if any).

4 Specify the new value. Tips are provided at the bottom of the dialog box.

5 Click OK.

6 If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

**To remove a Directory Services property:**
Select the property you want to remove, and click Remove. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

**Open Text NFS Client Properties**
The Open Text NFS Client Settings options are available only if you are customizing an Open Text NFS product or Open Text Exceed PowerSuite installation. The Open Text NFS Client Settings let you modify or remove properties for Open Text NFS Client, such as Maestro.NFSClient.UseDOSStyleSharing, which enables file sharing common to most Windows file operations.

**To access the Properties options:**
Click Open Text NFS Client Settings in the option tree. The Open Text NFS Client Settings pane appears in the wizard window.

**To modify an Open Text NFS Client property in an installation database:**
1 In the Open Text NFS Client Settings pane, select a property.
2 Click Modify. The Modify Property dialog box opens.
   The bottom panel of the dialog box provides the validation information for the property.
3 In the drop-down box, type or select a new value for the property and click OK. The Open Text NFS Client Settings pane lists the properties currently added to the installation database.

4 If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

To remove an Open Text NFS Client property from an installation database:

In the Open Text NFS Client Settings pane, select a property from the list and click Remove. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

**Exceed Properties**

The Exceed Settings options are available only when you are creating an Exceed, Exceed XDK, or Open Text Exceed PowerSuite installation. Expand Exceed Settings in the directory tree, to modify or remove Exceed properties. For example, the *Exceed.XServer.Tune* property executes the Xperf application for optimal graphics performance.

When you modify or remove a property, the property information is added to or deleted from the property table in the Exceed Settings pane.
To access the Exceed property options:

Click Exceed Settings in the option tree. The Exceed Settings pane appears in the wizard window.

To modify an Exceed property in an installation database:

1. In the Exceed Settings pane, select a property.
2. Click Modify. The Modify Property dialog box opens. The bottom panel of the dialog box provides the validation information for the property.
3. In the drop-down box, type or select a new value for the property and click OK. The Exceed Settings pane lists the properties currently added to the installation database.
4. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

To remove an Exceed property from an installation database:

In the Exceed Settings pane, select a property from the list and click Remove. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.
Font Directories and Servers

When you execute custom installations for Exceed, Sconfig lets you control the directories and servers added to the font database. The font database is stored in the \lfp.xdb file. Exceed XConfig uses this file when locating font directories and servers. As a result of the customization users will see a new, customized font directory or server listed in Xconfig.

Note: Plan your font directories and servers according to the demands of each user.

Setting Up Custom Font Directories

This option is useful when accommodating Exceed users who require custom font files in Xconfig. During a mass installation, you need to provide font directories that are tailored to meet the demands of each user. This means including in each directory only those font files (.fon) that are useful to users.
Adding Font Directories  Adding font directories with Sconfig creates new font directories in the Exceed Xconfig font database. The font database in Xconfig is stored in the lfp.xdb file in the User directory. Specific fonts in the font database are stored in font directories and on font servers.

**Note:** Before using Sconfig to add the font directory to a custom installation database, you must do the following in Exceed Xconfig:
- Create a custom font directory.
- Add custom font files (.fon) to this directory.

For more information, refer to the Open Text Exceed User’s Guide.

Modifying Font Directories  Modifying a custom font directory lets you change the specifications for the selected font directory in the Xconfig font database. You can change the font type from directory to server, change the name of the font directory, and add a new font database file (.fdb) to this directory.

**Warning!** When changing the name of a font directory, you must add the font files (.fon) to that directory.

If you are changing a font directory in the database, you need to know the name of the directory and the name of the font database file corresponding to the new font directory.

**To access the Exceed Settings (Custom Fonts options):**
Expand Exceed Settings in the option tree and click Custom Fonts. The Exceed Settings: Custom Fonts pane appears in the wizard window.

**To add a custom font directory:**
1. In the Exceed Settings: Custom Fonts pane, click Add. The Add/Modify Custom Font Settings dialog box opens.
2. From the Font Type drop-down list, select Directory.
3. In the Font Directory box, type the name of the custom directory.
4 In the File Name box, click Browse and navigate to the font database file (.fdb). This file is created by Xconfig and stored in the following location:

C:\Program Files\Hummingbird\Connectivity\version\Default User\Exceed\version\Default User\Exceed\where version is the version number of your Open Text product.

5 Select the status of the font directory. You can select Load, Keep, or Inactive.

6 To make matches to this directory using its physical font name as well as its logical font name, select the Physical Font Name Match Allowed box and click OK. The Custom Fonts pane appears listing the new directory added to the installation database.

Note: The name of the custom font directory appears in the Custom Fonts pane. You can now add your custom font files (.fon) to the custom font directory you created.

7 If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

To modify a custom font directory:

1 In the Exceed Settings: Custom Fonts pane, click Modify. The Add/Modify Custom Font Settings dialog box opens.

2 From the Font Type drop-down list, select Directory to display directory settings.

3 You can make the following modifications:
   • To rename the directory, in the Font Directory box, type the new directory name.
   • To change the existing font database file, in the File Name box, click Browse and point to the new file (.fdb). This custom file is created by Xconfig and stored in the following location:

C:\Program Files\Hummingbird\Connectivity\version\Default User\Exceed\version\Default User\Exceed\where version is the version number of the Open Text product.
• To change the status of the font directory, in the Status area, select the new status of the font directory. You can select Load, Keep, or Inactive.

• To make matches to this directory using its physical font name as well as its logical font name, select the Physical Font Name Match Allowed box.

4 Click OK. The Custom Fonts pane lists the directories and servers currently in the installation database.

5 If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

To remove a custom font directory:

In the Custom Fonts pane, select a directory from the list and click Remove. Removing a font directory in Sconfig deletes it from the transform file. These changes must then be reapplied to the package to reflect the update. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

Managing Custom Font Files

When you add a font file (.fon) to an installation, the file appears in the Xconfig font database for Exceed users to access using Xconfig. You can remove a font file from the font directory when users no longer require it.

To access the Custom Fonts options in Exceed Settings:

Expand Exceed Settings in the option tree and click Custom Fonts. The Exceed Settings: Custom Fonts pane appears in the wizard window.

To add a custom font file to an installation database:

1 In the Custom Fonts pane, select the font directory to which you want to add the custom font file(s).

2 In the Custom Fonts pane, click the Add Font Files button. The Windows Open dialog box opens.
3 In the box, browse to the custom font files (.fon) located in your custom font directory stored on your local machine. Select and copy the custom font files you need into your custom font directory and click OK. The Custom Fonts pane appears listing new font files added to the directory.

4 A new custom font directory along with files is added to the installation database. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

**To remove a custom font file from an installation database:**

Removing the font file in Sconfig deletes it from the transform file. These changes must then be reapplied to the installation file to reflect the update.

In the Custom Fonts pane, select the font file(s) you want to remove and click Remove File. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

**Setting Custom Font Servers**

This functionality is not available in TSE mode.

This option is available for Exceed users who require a connection to custom font servers in the font database. During a mass installation, you can connect users to a customized font server tailored for their task requirements.

**Adding a Custom Font Server** Adding a font server to the installation database connects users to a customized font database in Xconfig. You need to know the network node specification of the host where the font server is located and the port or object name (DECnet transports). You can also specify additional font catalogues.

**Modifying a Custom Font Server** If you are modifying a font server in the database, you need to know the network node specification of the host where the font server is located and the port or object name (DECnet transports). You can also specify additional font catalogues.

**To access the Custom Fonts options for Exceed Settings:**

Expand Exceed Settings in the option tree and click Custom Fonts. The Exceed Settings: Custom Fonts pane appears in the wizard window.
To add a custom font server:

1. In the Custom Fonts pane, click Add. The Add/Modify Custom Font Settings dialog box opens.
2. From the Font Type drop-down list, select a server type.
3. In the Host Name box, type the server name.
4. In the Port box, type or select the port number.
5. If you want to specify a catalogue, type the catalogue name in the Catalogue box.
6. Select the status of the server directory. You can select Load, Keep, or Inactive.
7. To make matches to this directory using its physical font name as well as its logical font name, select the Physical Font Name Match Allowed box and click OK. The Custom Fonts pane appears listing the new font server added to the installation database.
8. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

To remove a custom font server:

Removing a font server in Sconfig deletes it from the transform file. These changes must then be reapplied to the installation file to reflect the update.

To remove a custom font server, in the Custom Fonts pane, select a server from the list and click Remove and then click OK. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.
Setting Paths for Font Directories/Servers
To view the Font Path options, expand Exceed Settings in the tree pane of the Setup Customization Wizard and click Font Path. This option lets you place font directories/servers in the most efficient search order for X server requests.

Click Move Up and Move Down to change the display (search) order. Place font directories/servers containing the most commonly requested fonts at the top of the list to reduce the amount of time it takes to find a match. If you have made all the necessary modifications, click Next. Otherwise, select the next option group.

Saving the MST File
After you customize the installation options, the Sconfig wizard lets you save the transform file (.mst).
To save the .mst file:

1. In Sconfig Wizard, click Next. The Ready To Commit page opens confirming that you are about to save your configurations to a transform file.

2. Click Next to create the transform file (.mst). This process is automatic and does not display on screen. The Complete page opens, confirming that you have created your transform file.

3. If you want to create a command (.cmd) or batch (.bat) file that will start Setup with the new transform file, select the option at the bottom of the wizard and use the browse button to specify the file name and location.

   If you do not select this option, you can follow the instructions provided by the wizard for adding the transform file to the CmdLine entry of the setup.ini file. For more information, see “Applying the MST File to an Installation” on page 91.

4. Click Finish to exit Sconfig.

Sconfig saves the transform file (.mst) in the same folder as the installation file (.msi). This makes it easier for users to find when they want to access the file from the administrative installation point.

Applying the MST File to an Installation

After you have created a transform file (.mst), you can use it to customize Open Text Connectivity product installations. If, on the last page of the wizard, you did not opt to generate a command file that starts Setup with the new transform file, you can apply the transform file to the installation file manually. To do this, you must tell the setup.exe file where to find your transform file.
To change the setup.exe:

1. In Windows Explorer, browse to the folder that contains the setup.ini file for your Open Text product.
2. Open the setup.ini file.
3. On the line beginning with CmdLine, add the following text:
   
   TRANSFORMS="full path to the .mst file"

   For example, the CmdLine for Open Text YourProduct would look like this:

   CmdLine=TRANSFORMS="c:\Open Text YourProduct.mst"

   where YourProduct is the Open Text product you are customizing.
4. On the File menu, click Save.
5. On the File menu, click Close.

The new CmdLine in the setup.ini file tells the setup program to incorporate the new transform file in the program installation. Running setup.exe uses both the original installation file and the transform file that you created using Sconfig.

Creating Multiple Custom Installations

Multiple custom installations are necessary for disparate users with different development needs. Rather than having users sift through a large product installation, use Sconfig to package custom installations for each user.

To create another .mst file:

1. Open Sconfig and browse to a new transform file (.mst).
2. Create and save the transform file (.mst) to the administration installation point.
3 If you want to create more transform files for custom installations, repeat steps 1 and 2.

4 To use your new transform file (.mst), start the Setup Wizard using the following command:

```
setup /v"TRANSFORMS=c:\YourTransform.mst"
```

This way, multiple transform files can exist in one source location, without the need for repeated modifications to the setup.ini file.

### Running Sconfig from a Command Line

You can use a command line prompt to generate transform files and to apply them to an installation file (.msi).

#### Generating a Transform

Use the following command to generate a transform file:

```
-g basedb newdb transform [error/validation conditions]
```

where:

- `basedb` is the installation file you want to use to create the transform file
- `newdb` is the name of the new installation file that contains changes that you want to add to the transform
- `transform` is the file name of the transform file you want to create
- `error` is the code for any errors you want to suppress
- `validation conditions` is the code for any conditions under which a transform can be applied to a package
Applying a Transform File
Use the following command to apply a transform file to an installation file (.msi):

```
-a transform database [error conditions]
```

where:

- `transform` is the transform file you want to apply
- `database` is the installation file to which you want to apply the transform
- `error conditions` is the code for any errors you want to suppress

Error Conditions
The following table lists the error that you can suppress when applying a transform:

<table>
<thead>
<tr>
<th>Code</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>Add existing row.</td>
</tr>
<tr>
<td>b</td>
<td>Delete non-existing row.</td>
</tr>
<tr>
<td>c</td>
<td>Add existing table.</td>
</tr>
<tr>
<td>d</td>
<td>Delete non-existing table.</td>
</tr>
<tr>
<td>e</td>
<td>Modify existing row.</td>
</tr>
<tr>
<td>f</td>
<td>Change code page.</td>
</tr>
</tbody>
</table>
Validation Conditions

The following table lists the validation conditions you can apply to the transform file:

<table>
<thead>
<tr>
<th>Code</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>g</td>
<td>Check upgrade code.</td>
</tr>
<tr>
<td>l</td>
<td>Check language.</td>
</tr>
<tr>
<td>p</td>
<td>Check platform.</td>
</tr>
<tr>
<td>r</td>
<td>Check product.</td>
</tr>
<tr>
<td>s</td>
<td>Check major version only.</td>
</tr>
<tr>
<td>t</td>
<td>Check major and minor versions only.</td>
</tr>
<tr>
<td>u</td>
<td>Check major, minor, and update versions.</td>
</tr>
<tr>
<td>v</td>
<td>Applied database version &lt; base database version</td>
</tr>
<tr>
<td>w</td>
<td>Applied database version &lt;= base database version</td>
</tr>
<tr>
<td>x</td>
<td>Applied database version = base database version</td>
</tr>
<tr>
<td>y</td>
<td>Applied database version &gt;= base database version</td>
</tr>
<tr>
<td>z</td>
<td>Applied database version &gt; base database version</td>
</tr>
</tbody>
</table>
Chapter 5

Exceed Connection Server for UNIX Installation

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## Exceed Connection Server System Requirements

Exceed Connection Server can be installed on Windows or UNIX platforms.

<table>
<thead>
<tr>
<th>Component</th>
<th>Requirements</th>
</tr>
</thead>
</table>
| Operating system | SPARC Solaris 8 or later  
                  | x86 Solaris 9 or later, AMD64 Solaris 10 or later  
                  | HP-UX 11i (11.11) or later  
                  | AIX 5L Version 5.2 or later  
                  | Red Hat Enterprise Linux 4 or later  
                  | SuSE Linux Enterprise 10 or later  
                  | Linux, kernel 2.4 or later and glibc 2.3.2 or later  
                  | Windows Server 2003 R2  
                  | Windows XP Professional SP2 or later  
                  | Windows Vista SP1  
                  | Windows 7  
                  | Windows Server 2008/1008 R2                                                     |
| RAM            | 256 MB Minimum                                                              |
| Processor      | SPARC v9 for Sun SPARC Solaris  
                  | PA-RISC 1.1 for HP-UX  
                  | PowerPC64 for AIX  
                  | Pentium i586 or AMD64 compatible for all Windows platforms, Sun x86 Solaris, and Linux platforms |
| Available disk space | 1 GB (for installation)  
                          | 250MB (after installation)                                                 |
Component Requirements

Exceed onDemand Client can be installed on Windows or UNIX platforms.

Exceed Freedom and Exceed Connection Server Manager can be installed only on Windows platforms.

Windows Requirements

<table>
<thead>
<tr>
<th>Component</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating system</td>
<td>Windows Server 2003 R2, 32- or 64-bit</td>
</tr>
<tr>
<td></td>
<td>Windows XP Professional SP2 or later, 32-bit</td>
</tr>
<tr>
<td></td>
<td>Windows Vista SP1 (Exceed onDemand Client only), 32- or 64-bit</td>
</tr>
<tr>
<td>RAM</td>
<td>64 MB</td>
</tr>
<tr>
<td>Processor</td>
<td>i586 (Pentium) or later</td>
</tr>
<tr>
<td></td>
<td>For Exceed Freedom only: Pentium 4 or later</td>
</tr>
<tr>
<td>Available disk space</td>
<td>20 MB</td>
</tr>
</tbody>
</table>

UNIX Requirements

<table>
<thead>
<tr>
<th>Component</th>
<th>Minimum Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating system</td>
<td>Red Hat Enterprise Linux WS 3 or 4</td>
</tr>
<tr>
<td></td>
<td>Red Hat Enterprise Linux Server 4 or 5</td>
</tr>
<tr>
<td></td>
<td>SuSE Linux Enterprise 10</td>
</tr>
<tr>
<td></td>
<td>Linux, kernel 2.4 or later and glibc 2.3.2 or later, GTK+ 2.2 or greater</td>
</tr>
<tr>
<td></td>
<td>AIX 5L Version 5.2 or later</td>
</tr>
<tr>
<td>RAM</td>
<td>64 MB</td>
</tr>
<tr>
<td>Processor</td>
<td>i586 or later</td>
</tr>
<tr>
<td>Available disk space</td>
<td>5 MB</td>
</tr>
</tbody>
</table>
Installing Exceed Connection Server on UNIX

You must have root or superuser access on the machine on which you want to install Exceed Connection Server. Make sure you have sufficient disk space.

Note: Exceed Remote Print Utility (elpr) is part of the Exceed Connection Server for UNIX installation. However, you may have to install it independently on other machines. For more information, see “Installing Exceed Remote Print Utility” on page 104.

To install Exceed Connection Server:

1. Log in as root user:
   
   ```
   $su root
   passwd: Password
   ```

2. Navigate to the ExceedConnectionServer directory of your installation media. From the subdirectory that matches your operating system, run the executable that corresponds to your server architecture.

3. Specify a location to which the installer should extract the files, or accept the default location. Unqualified paths are created below the current directory.

4. Once all necessary files are extracted, the license agreement appears. Read the agreement and type y to accept the terms.

   Note: Failure to read the license agreement does not affect the terms and conditions of the agreement.

5. If an earlier product version is installed, indicate whether you want to copy settings from that installation.
6 When prompted, provide the following information:

- **Server Port**—This is the port number on which Exceed Connection Server listens and through which the proxy transfers X session data. Press Enter to select the default port: 5500.

  If you change the default port number, you must provide your users with the new number to enable them to connect to the server.

  **Note:** Exceed Connection Server installs as a standalone server. After installing and starting the server, use Exceed Connection Server Manager to add it to a cluster if necessary.

- **Starting Display ID**—Specify the display number for the first Exceed Freedom or Exceed onDemand Client session. All subsequent displays are numbered accordingly. Press Enter to select the default first display: 1.

7 On the confirmation screen, type `y` and press Enter to confirm the settings.

8 You have the option of selecting whether Exceed Connection Server starts at boot time by typing `y` and pressing Enter. Otherwise, type `n` and press Enter.

9 The Activation Key utility opens. Select one of the five options by typing the number and pressing Enter. When you have performed all the required tasks, select option 4 to save the changes and exit the utility.

  **Note:** You can use Exceed Connection Server Manager to enter the key if you do not specify it at this time.
10 If a previous version is not installed (or you chose not to migrate), then you must enter the Exceed Connection Server administrator account name. The administrator you designate can then add other accounts to the administrative group.

**Note:** It is recommended that you do not use the root account as the Exceed Connection Server administrator account. Users running the installation under Superuser accounts are not added to the Exceed Connection Server administrative group automatically.

The installer generates an installation log file and displays its location. You can refer to this file to ensure that the installation was successful.

11 For Linux and Solaris servers only: If you want to use OpenGL server-side rendering features, you must first configure the graphics device permissions by running the `ssrconfig` script, located in your `/ExceedConnectionServer/bin/` directory.

**Note:** If you have already configured VirtualGL on the server, you do not need to run ssrconfig.

For more information on OpenGL server-side rendering configuration, see Section 6 of the *User’s Guide for VirtualGL 2.1*, found at: http://www.virtualgl.org/vgldoc/2_1final/

12 When prompted to start Exceed Connection Server, type `y`. The Server is now installed and started.
Uninstalling Exceed Connection Server on UNIX

To uninstall Exceed Connection Server:

1. Stop the server by running the `ecsstop` script.
2. If the server was run at system boot time, you must run the `ecsbootstop` script to prevent the server from starting when it is uninstalled.
3. Delete the Exceed Connection Server installation directory from the UNIX host.

Installing UNIX Utilities

There are additional utilities available for UNIX installations. These utilities provide extended functionality for Exceed Connection Server, Exceed onDemand Client, and Exceed Freedom.

Installing Exceed Remote Print Utility

Exceed Remote Print Utility (elpr) is installed automatically with Exceed Connection Server for UNIX. A standalone version is also available on the product disc. You must install the stand-alone version on any machine that runs X applications from which your users need to print.

To copy Exceed Remote Print Utility from the product disc:

1. In the `/ExceedConnectionServer/Utilities/elpr` directory, open the folder that matches the operating system of the machine on which you want to install the Print Utility.
2. Copy the `elpr` file to a local directory. Ensure that the directory is accessible to Exceed onDemand Client or Exceed Freedom users.
Installing Exceed License Server

Exceed License Server is a UNIX utility that allows you to designate the number of licenses available for each cluster. If your implementation of Exceed Connection Server includes multiple cluster environments spread out across various geographical locations, you may want to use Exceed License Server to share licenses between different Exceed Connection Server clusters.

To install and configure Exceed License Server:

1. Navigate to the /ExceedConnectionServer/Utilities/ExceedLicenseServer directory on your product disc.
2. Save the file that is specific to your platform to the desired location on the UNIX machine.
3. Uncompress the .gz file, and then untar the resulting .tar file.
4. Create the internal database using the following command:
   
   ./elicensemgr initdb

5. When prompted, specify and confirm the administrative password for Exceed License Server.
6. Start Exceed License Server using the following command:

   ./elicensemgr start

Note: Exceed License Server does not start automatically when you restart the machine. To resolve this, add the startup command to the boot script for the machine on which Exceed License Server is installed. For example: /opt/ELS/elicensemgr start. You must have root privileges to modify the boot script.

The method for modifying the boot script may differ depending on your operating system. For more information, contact your UNIX system administrator.
Installing Exceed onDemand Client for Linux/AIX

Exceed onDemand Client can be installed on Linux or AIX platforms using either the .tar.gz or .rpm installation package found on the product disc. Once it is installed, you can launch Exceed onDemand Client from the operating system’s main menu.

Note: The Exceed onDemand Client menu entry is created in the Internet (or Network) submenu. Depending on your system, the menu entry may be created in the Internet submenu under More Programs.

To install Exceed onDemand Client using the .tar.gz installation package:

1. Unpack the .tar.gz package from the Exceed onDemand product disc to a directory on your machine. The contents extract to an Exceed_onDemand_Client_7 subfolder in the directory.

2. To create an Exceed onDemand Client menu entry and associate .eod files with Exceed onDemand Client, run the following script provided in the installation package:

   `Exceed_onDemand_Client_7/setup/desktop_integration_install.sh`

To install Exceed onDemand Client using the .rpm installation package:

1. Log in as superuser (root) or ensure you have the appropriate permissions to run rpm.

2. Run the following command from the command line to install to the default directory /opt/Exceed_onDemand_Client_7:

   `rpm -i eodclient7-13.7.0-1-linux-i586.rpm`

   or

   `rpm -i eodclient7-13.7.0-1-aix-ppc.rpm`
The Exceed onDemand Client menu entry is created and Exceed onDemand Connection documents (.eod) are associated with Exceed onDemand Client automatically.

If you are prompted, enter the administrative account password.

To specify a different installation directory, run the following command from the command line:

```
rpm -i --prefix=/installationpath eodclient7-13.7.0-1-linux-i586.rpm
```

or

```
rpm -i --prefix=/installationpath eodclient7.13.7.0-1-aix-ppc.rpm
```

For example, the following command installs Exceed onDemand Client to /usr/local/Exceed_onDemand_Client_7 on a Linux platform:

```
rpm -i --prefix=/usr/local eodclient7-13.7.0-1-linux-i586.rpm
```

**Uninstalling Exceed onDemand Client for Linux/AIX:**

The procedure for uninstalling Exceed onDemand Client depends on whether you used the .tar.gz or the .rpm installation package during your install.

**To uninstall the Exceed onDemand Linux Client .tar.gz package:**

1. To remove the menu entry and .eod file associations, run the provided script:
   ```
   Exceed_onDemand_Client_7/setup/desktop_integration_uninstall.sh
   ```

2. **Delete the Exceed_onDemand_Client_7 directory.**
To uninstall the Exceed onDemand Linux Client .rpm package:

You can use your system's default graphical package manager to uninstall Exceed onDemand Client, or you can use the following command line procedure.

1. Log in as superuser (root) or ensure you have the appropriate permissions to run rpm.

2. Run the following command from the command line:

   `rpm -e eodclient7`
# Appendix A

## Open Text Connectivity Applications

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<tr>
<td>Security Tools, or FTP Tools</td>
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</table>
## Open Text Connectivity Applications

The following applications and components are available with your product. They are all installed automatically when you perform a Complete installation. Otherwise, you can select them individually if you perform a Custom installation. Help is available with each application.

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<thead>
<tr>
<th>Application/Component</th>
<th>Open Text Product</th>
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<tbody>
<tr>
<td></td>
<td>Exceed HostExplorer Secure Terminal NFS Client NFS Gateway NFS Server NFS Solo Secure Shell</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td></td>
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<tr>
<td>Classic FTP</td>
<td></td>
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<tr>
<td>File Converter</td>
<td></td>
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<tr>
<td>HostExplorer Basic</td>
<td></td>
</tr>
<tr>
<td>LPQ (Line Printer Query)</td>
<td></td>
</tr>
<tr>
<td>LPR (Line Printer Requester)</td>
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<tr>
<td>Network Time</td>
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</tbody>
</table>

**Classic FTP**—This application lets you connect to a remote FTP server and transfer files between computers. FTP is supported only under TCP/IP transports. You cannot use this application with DECnet or IPX/SPX. A server implementation of the FTP protocol must run on the remote computer to allow for FTP communication. The remote computer is the FTP server (host), and the PC running Classic FTP is the FTP client.

**File Converter**—This application translates line feed control characters (also known as carriage return characters) between DOS and UNIX formats.

**HostExplorer Basic**—This is a command language included with Open Text Connectivity products. HostExplorer Basic can be used to create scripts for frequently performed tasks that you would like to automate. For more information, see the *HostExplorer Basic Language Programmer's Guide*.

**LPQ (Line Printer Query)**—This application is used to return the status of the print queue on either a UNIX system or another PC running a line-printer daemon.

**LPR (Line Printer Requester)**—This application lets you print PC files to any host on a TCP/IP network running LPD. The LPR window displays a separate window for each printer queue to which you are connected. For more information, see LPR Help.

**Network Time**—This application lets you synchronize the time on your PC with the Network Time Server.
<table>
<thead>
<tr>
<th>Application/Component</th>
<th>Open Text Product</th>
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</thead>
<tbody>
<tr>
<td>NSLookup—This application finds and displays information about hosts in a domain.</td>
<td>*</td>
</tr>
<tr>
<td>Ping—This is a diagnostic tool that lets you quickly check the integrity of a network communications path and your TCP/IP configuration. Ping sends Internet Control Message Protocol (ICMP) echo requests to specified machines and displays the response in graphical form.</td>
<td>*</td>
</tr>
<tr>
<td>Quick Script Editor—This application is a graphical development environment in which you can create and modify HostExplorer and FTP Quick Scripts. These scripts are made up of commands that help to automate repetitive tasks.</td>
<td>*</td>
</tr>
<tr>
<td>Remote Tools—This application is an integrated version of several UNIX commands—Remote Shell, Remote Exec, Remote Copy (RSH), and Remote Copy (REXEC). You can execute commands and copy files to or from other machines on the network using the RSH and REXEC protocols.</td>
<td>*</td>
</tr>
<tr>
<td>Traceroute—This application shows the route that packets take to the host. It lets you test, troubleshoot, and manage network connections and find the route used to connect to a specific host.</td>
<td>*</td>
</tr>
</tbody>
</table>

**Administrative Tools**

<table>
<thead>
<tr>
<th>Application/Component</th>
<th>Open Text Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Files And Settings Transfer Wizard—This application lets you backup, restore, and migrate product settings using .humfst and .humfstt files. Using this file, you can then export and import these settings to and from other host machines.</td>
<td>*</td>
</tr>
<tr>
<td>Profile Publishing Wizard—This wizard lets administrators select and publish locally stored profiles to existing Profile Spaces, which ensures profile dependencies remain intact.</td>
<td>*</td>
</tr>
<tr>
<td>Language Chooser—Lets you specify the user interface language for Open Text Connectivity applications. The language you select will be used in Connectivity menus and dialog boxes.</td>
<td>*</td>
</tr>
<tr>
<td>Media Location Manager—This application lets you manage your Microsoft Windows Installer Media Source locations.</td>
<td>*</td>
</tr>
</tbody>
</table>
### Event Monitoring Client Settings
This application is a component of Event Monitoring Server. You can use it to configure event monitoring client settings, which are used to establish communication between an Event Monitoring Server and its Event Monitoring Clients for a particular host machine.

### Profile Space Editor
This application lets administrators view and manage profile spaces in various types of repositories.

### Connectivity Cleanup
Connectivity Cleanup is a command-line utility that deletes Open Text Connectivity files, shortcuts, and registry entries for the current operating system on your machine based on one of two cleanup types: User, which deletes product files and registry entries for the current user, or Products, which deletes product files and registry entries for all Connectivity products installed on your system. You cannot launch this tool from the Start menu.

### Sconfig
Sconfig is a wizard that lets you customize the installation of software on local and network machines. With Sconfig, you can configure installations in the following ways:
- Customize the folders installed by Setup.
- Tailor the list of applications or components to be installed. You can alter the list to limit the functionality available to users or to optimize the use of disk space.
- Simplify user input during the installation by pre-selecting information, such as the names of the directories where the software is installed.

For more information on Sconfig, see “Customizing Installations with Sconfig” on page 53.

### Directory Services Properties
This application lets you configure the NIS, NIS+, and LDAP settings for Open Text applications. All directory service queries made by Open Text applications target the domains specified and selected by you. Directory Services Properties also lets you synchronize your Windows and UNIX passwords and select a target service for host name resolution.

<table>
<thead>
<tr>
<th>Application/Component</th>
<th>Open Text Product</th>
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<tbody>
<tr>
<td>Event Monitoring Client Settings</td>
<td>Exceed</td>
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<td>Profile Space Editor</td>
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<td>Connectivity Cleanup</td>
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<tr>
<td>Sconfig</td>
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<tr>
<td>Directory Services Properties</td>
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<tr>
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<th>Exceed</th>
<th>HostExplorer</th>
<th>Secure Terminal</th>
<th>NFS Client</th>
<th>NFS Gateway</th>
<th>NFS Server</th>
<th>NFS Solo</th>
<th>Secure Shell</th>
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<td>Profile Space Editor</td>
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<td>Connectivity Cleanup</td>
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For more information on Open Text Connectivity applications, see page 113.
Directory Services Console—Open Text provides MMC snap-ins for Open Text NFS products. If you are an Administrator on your machine and you have installed the NFS Administration feature, you can use a console to configure Open Text NFS products.

Directory Services Explorer—This application lets you browse NIS, NIS+, and LDAP directory services without leaving the familiar Windows environment. Using Directory Services Explorer, you can bind your machine to multiple domains simultaneously, browse object contents and properties, run selective or global queries, and change your password in a directory service domain.

HTTP Proxy Server—HostExplorer HTTP Proxy provides HostExplorer users access to hosts residing behind corporate firewalls with the benefit of and without breaching security features of the firewall.

InetD—InetD is a super daemon that lets you enable and disable various daemon services through a single application. It determines the network services to which your PC responds when a client makes a network request. The Startup folder is the usual location for InetD.

Proxy Server Console—Proxy Server is a general proxy engine that lets you proxy emulation sessions. Proxy Server is composed of two components: a) the proxy engine, which is installed as a service on your workstation, and b) the proxy console, which lets you configure and monitor the proxy service. A shortcut to the Proxy Console is installed when you install the Proxy Server.

Event Monitoring Server—Open Text Connectivity products are equipped with event monitoring capabilities. Event Monitoring Server is a reporting tool that lets administrators track the use of Open Text Connectivity applications.

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<td>Exceed</td>
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<td>HostExplorer</td>
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<td>NFS Client</td>
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<td>NFS Gateway</td>
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<td>NFS Server</td>
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<td>NFS Solo</td>
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<td>Secure Shell</td>
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<tr>
<td>Directory Services Console</td>
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<tr>
<td>HTTP Proxy Server</td>
<td>HostExplorer HTTP Proxy provides HostExplorer users access to hosts residing behind corporate firewalls with the benefit of and without breaching security features of the firewall.</td>
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<tr>
<td>InetD</td>
<td>InetD is a super daemon that lets you enable and disable various daemon services through a single application. It determines the network services to which your PC responds when a client makes a network request. The Startup folder is the usual location for InetD.</td>
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<td>Proxy Server Console</td>
<td>Proxy Server is a general proxy engine that lets you proxy emulation sessions. Proxy Server is composed of two components: a) the proxy engine, which is installed as a service on your workstation, and b) the proxy console, which lets you configure and monitor the proxy service. A shortcut to the Proxy Console is installed when you install the Proxy Server.</td>
</tr>
<tr>
<td>Event Monitoring Server</td>
<td>Open Text Connectivity products are equipped with event monitoring capabilities. Event Monitoring Server is a reporting tool that lets administrators track the use of Open Text Connectivity applications.</td>
</tr>
</tbody>
</table>
HostExplorer

HostExplorer is a PC-to-host connectivity product that provides connections from a desktop to enterprise hosts, including IBM mainframes, AS/400s, UNIX and Linux systems. Depending on the type of host to which you are connecting, you can transfer files using Telnet, FTP, or 5250 Data Transfer. HostExplorer offers three types of terminal emulation:

- **3270**—Emulates an IBM mainframe (including 3179G, 3472G, 3278, and 3279 models), runs 3270 applications, and transfers files between a host machine and your PC using the IND$FILE file transfer application.
- **5250**—Emulates IBM AS/400 sessions and runs 5250 applications.
- **VT**—Emulates the DEC VT420 video terminal and includes support for VT52, VT100, VT101, VT102, VT220, VT320, VT420, ANSI, SCO ANSI, IBM 3151, and Linux Console.

### HostExplorer Tools, or Open Text Secure Terminal Tools

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<thead>
<tr>
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<th>Exceed</th>
<th>HostExplorer</th>
<th>Secure Terminal</th>
<th>NFS Client</th>
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<th>NFS Server</th>
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<th>Secure Shell</th>
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<tr>
<td>5250 Data Transfer Wizard</td>
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<td>HostExplorer Migration Wizard</td>
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<td>Macro and Profile Converter</td>
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Open Text Product

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<tr>
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<th>HostExplorer</th>
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<th>NFS Solo</th>
<th>Secure Shell</th>
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<td>HostExplorer</td>
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**Open Text Connectivity Installation Guide**

<table>
<thead>
<tr>
<th>Application/Component</th>
<th>Open Text Product</th>
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</thead>
<tbody>
<tr>
<td><strong>HostExplorer Trace Wizard</strong>—This wizard guides you through the steps needed to create a trace, package all relevant files, and create a ZIP file that you can send to Customer Support.</td>
<td>HostExplorer Secure Terminal NFS Client NFS Gateway NFS Server NFS Solo Secure Shell</td>
</tr>
<tr>
<td><strong>HostExplorer Feature Access Management</strong>—This tool lets administrators selectively disable various HostExplorer features. Disabled feature information can be saved globally for all profiles or to a specific session profile.</td>
<td>HostExplorer Secure Terminal NFS Client NFS Gateway NFS Server NFS Solo Secure Shell</td>
</tr>
<tr>
<td><strong>HostExplorer Print Services Console</strong></td>
<td>HostExplorer Secure Terminal NFS Client NFS Gateway NFS Server NFS Solo Secure Shell</td>
</tr>
<tr>
<td>This application is a server-based, scalable printing solution that lets you distribute reports from host computers to any LAN (local area network) printer in your enterprise network.</td>
<td>HostExplorer Secure Terminal NFS Client NFS Gateway NFS Server NFS Solo Secure Shell</td>
</tr>
<tr>
<td><strong>WyseTerm</strong></td>
<td>HostExplorer Secure Terminal NFS Client NFS Gateway NFS Server NFS Solo Secure Shell</td>
</tr>
<tr>
<td>WyseTerm is a terminal emulator that emulates Wyse-50 and Wyse-60 terminals.</td>
<td>HostExplorer Secure Terminal NFS Client NFS Gateway NFS Server NFS Solo Secure Shell</td>
</tr>
<tr>
<td><strong>FTP</strong></td>
<td>HostExplorer Secure Terminal NFS Client NFS Gateway NFS Server NFS Solo Secure Shell</td>
</tr>
<tr>
<td>This application is a client implementation of the File Transfer Protocol (FTP). It lets you transfer both text (ASCII) and image (binary) files between your PC and a remote computer running a server implementation of FTP. You can also use it to perform file and directory management on your PC and a remote computer.</td>
<td>HostExplorer Secure Terminal NFS Client NFS Gateway NFS Server NFS Solo Secure Shell</td>
</tr>
<tr>
<td><strong>Web-to-Host and Deployment Wizard</strong></td>
<td>HostExplorer Secure Terminal NFS Client NFS Gateway NFS Server NFS Solo Secure Shell</td>
</tr>
<tr>
<td>Web-to-Host and Deployment Wizard lets you create Web-deployable installations of certain Open Text Connectivity products. This multi-component application is not installed as a product feature. You must install it separately from the Connectivity product disc.</td>
<td>HostExplorer Secure Terminal NFS Client NFS Gateway NFS Server NFS Solo Secure Shell</td>
</tr>
<tr>
<td><strong>Security Tools, or FTP Tools</strong></td>
<td>HostExplorer Secure Terminal NFS Client NFS Gateway NFS Server NFS Solo Secure Shell</td>
</tr>
<tr>
<td><strong>Kerberos</strong>—This is a client implementation of the Kerberos security authentication protocol developed at MIT. This application lets you manage your Kerberos password and obtain Kerberos tickets/credentials.</td>
<td>HostExplorer Secure Terminal NFS Client NFS Gateway NFS Server NFS Solo Secure Shell</td>
</tr>
</tbody>
</table>
## Appendix A: Open Text Connectivity Applications

<table>
<thead>
<tr>
<th>Application/Component</th>
<th>Open Text Product</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Exceed</td>
</tr>
<tr>
<td><strong>Secure Shell Console</strong>—This console is the hub of Open Text Secure Shell functionality. Use it to create, configure, and launch Secure Shell sessions, and to monitor sessions that are running. It also provides access to Certificate and Key Manager.</td>
<td>•</td>
</tr>
<tr>
<td><strong>Synchronization Wizard</strong>—Use Synchronization Wizard to synchronize files to and from a remote AS 400 or FTP site. This lets you maintain sets of remote and local files. You can designate either the remote or the local file as a master file. When the synchronization is performed, the original file is automatically updated with changes made to the edited file.</td>
<td>•</td>
</tr>
<tr>
<td><strong>Smart Card Manager</strong>—This application lets you manage lists of hosts and user passwords stored on smart card devices. Xstart uses this information to authenticate users with remote hosts.</td>
<td>•</td>
</tr>
</tbody>
</table>
Appendix B

General Accessibility and Customer Support

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Microsoft Accessibility Options 122
Customer Support 123
Appendix B: General Accessibility and Customer Support

General Accessibility

Wherever possible, our software adheres to Microsoft Windows interface standards and contains a comprehensive set of accessibility features.

Access Keys  All menus have associated access keys (mnemonics) that let you use the keyboard, rather than a mouse, to navigate the user interface (UI). These access keys appear as underlined letters in the names of most UI items. (If this is not the case, press Alt to reveal them.) To open a menu, press Alt and then press the key that corresponds with the underlined letter in the menu name. For example, to access the File menu in any of our applications, press Alt+F.

Once you have opened a menu, you can access an item on the menu by pressing the underlined letter in the menu item name, or you can use the arrow keys to navigate the menu list.

Keyboard Shortcuts  Some often-used menu options also have shortcut (accelerator) keys. The shortcut key for an item appears beside it on the menu.

Directional Arrows  Use the directional arrows on the keyboard to navigate through menu items or to scroll vertically and horizontally. You can also use the directional arrows to navigate through multiple options. For example, if you have a series of radio buttons, you can use the arrow keys to navigate the possible selections.

Tab Key Sequence  To navigate through a dialog box, press the Tab key. Selected items appear with a dotted border. You can also press Shift+Tab to go back to a previous selection within the dialog box.

Spacebar  Press the Spacebar to select or clear check boxes, or to select buttons in a dialog box.

Esc  Press the Esc key to close a dialog box without implementing any new settings.

Enter  Press the Enter key to select the highlighted item or to close a dialog box and apply the new settings. You can also press the Enter key to close all About boxes.
ToolTips  ToolTips appear for all functional icons. This feature lets users use Screen Reviewers to make interface information available through synthesized speech or through a refreshable Braille display.

Microsoft Accessibility Options
Microsoft Windows environments contain accessibility options that let you change how you interact with the software. These options can add sound, increase the magnification, and create sticky keys.

If you installed the Microsoft Accessibility components for your Windows system, you can find additional accessibility tools under Accessibility on the Start menu.

For Windows XP/Server 2003

To enable/disable Accessibility options:
1  In Control Panel, double-click Accessibility Options.
2  In the Accessibility Options dialog box, select or clear the check boxes as required. To enable or disable specific options, click Settings.
3  When finished, click Apply to apply the settings, or click OK to accept the settings and close the dialog box.

For Windows 7/Server 2008/2008 R2/Vista

To enable/disable Accessibility options:
1  In Control Panel, click Ease Of Access.
2  In Ease of Access, click Ease Of Access Center.
3  Use the tools in Quick Access To Common Tools to enable or disable Accessibility options or specify settings in Explore All Settings.
4  When finished, click Apply to apply the settings, or click Save to accept the settings and close the dialog box.

For more information about Ease of Access settings in Windows 7, Server 2008, 2008 R2, or Vista refer to Windows Help.
Customer Support

You can contact the Open Text Connectivity Solutions Customer Support department Monday to Friday. Please have the following information ready so that we can assist you faster:

- product name, version, and serial number
- operating system and version

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