Introduction

Welcome! This guide is intended to support you, the administrator, in deploying CorelDRAW® Technical Suite X6 to your network.

Are you new to network deployment? For a nontechnical introduction to the concepts and processes discussed in this guide, please see the companion Corel® Beginner’s Guide to Network Deployment.

Contents

Stage 1: Preparing for deployment ........................................... 2
Stage 2: Creating the server image ........................................... 6
Stage 3: Installing the software .............................................10
Stage 4: Maintaining the installations .................................17
Appendix: Specialized deployment scenarios ....................24

Conventions

Please note the following conventions used in this guide.

Wherever you see this ................................. You’ll find

*italicized text* ......................................... A placeholder for user-specified information, such as a path or filename

*bold monospace text* ................................. A reference to programming syntax

For more information

The following resources offer additional support.

For information on ................................. See the following resource

deploying Corel® software: concepts & processes, general advice & best practices Corel Beginner’s Guide to Network Deployment

Corel Corporation, or a specific Corel software product Corel® website: www.corel.com

support for Corel software Corel® Support Services website: www.corel.com/support

the Microsoft® Windows® Installer (MSI) technology, which is used to install Corel software Microsoft® website
Before beginning the deployment, take the time to familiarize yourself with your network and the software you want to deploy to it. Doing so can help your administrative duties run as smoothly as possible.

In this stage
- Getting to know your network ........................................... 2
- Getting to know the software ........................................... 2
- Setting up your network accordingly ................................. 4

Getting to know your network

Make sure to consider your network requirements for the deployment.

Administrative factors
Does your organization (or do you, as administrator) have any particular requirements for deploying and maintaining software?

Server factors
Does your server have any special characteristics or constraints?

Workstation factors
Do your workstations have any special characteristics or constraints?

User factors
Do your workstation users have any special workflows?

For more information
For general guidance on assessing your deployment needs, please refer to “Processes: Stage 1” in the Corel Beginner’s Guide to Network Deployment.

Getting to know the software

Make sure that your server and workstations are eligible for the software.

Server requirements
You can create an image of CorelDRAW Technical Suite X6 on a server that meets the following requirements:
- Operating system with the latest service pack and critical updates:
  Windows Server® 2008 or Windows Server® 2008 R2
- 3 GB of server space (for a typical installation without extra content)
- Microsoft® .NET Framework 3.5 and 4.0
- Microsoft Windows Installer 4.5

Windows® Terminal Server (2008 or 2008 R2) is supported, but please note the following:
You must use the CorelDRAW Technical Suite X6 DVD or the ISO file provided by Corel to install the software on the server.

Windows Media® Player is required if you want workstation users to have access to the Hints docker and the Video Browser.

Corel Corporation does not provide technical support for installing third-party software included with the product.

For details on server permissions, see “Server setup” on page 4.

Workstation requirements

You can install CorelDRAW Technical Suite X6 on workstations that meet the following requirements:

- Operating system with the latest service pack and critical updates:
  - 32-bit or 64-bit version of Windows® 8 or Windows® 7, or
  - 32-bit version of Windows XP
- Intel® Pentium® 4, AMD Athlon™ 64, or AMD Opteron™
- 1 GB of RAM (2 GB of RAM for a 64-bit installation)
- 1.6 GB of hard-disk space (for a typical installation without extra content; up to 6.7 GB with extra content)
- Mouse or tablet
- 1024 × 768 (or greater) screen resolution; DVD drive
- Microsoft® Internet Explorer® 7.0 (with the latest service pack) or later
- Microsoft® .NET Framework 3.5 and 4.0
- Microsoft Windows Installer 4.5
- Windows Media Player 10 or later (for Hints docker and Video Browser)

For details on workstation permissions, see “Workstation setup” on page 4.

For more information

For important notes on installing and using the software, it’s a good idea to review the Readme file for the software.

To access the Readme file on the installation disc

- Run the following command line (where \X: is the disc drive):
  \X:\English\Readme.html

Readme files for other languages can be accessed from their respective language folders on the DVD. Examples:

- \X:\French\Lisez-moi.html
- \X:\German\Infodatei.html
Setting up your network accordingly

After familiarizing yourself with your network and the software you want to deploy to it, you can set up your network accordingly.

**Server setup**

Do the following:

- Make sure that you are either a local administrator or an administrator for the domains and workgroups that you are managing.
- Create a shared network location for the server image, and make sure that you have read/write access to that location.

If you want to make extra content (such as clipart and videos) available to workstation users, do the following:

- Set up a shared network location, and make sure that users have access to that location.
- Use the program DVD to install or copy the content to the shared location.
- Download the zipped video files from the following FTP site, and using WinZip®, unzip them to the shared location that stores the other extra content.
  - **FTP site:** ftp://cfs2.corel.com/
  - **User name:** CDGSX6_EXT
  - **Password:** Uyg65fW7

You must use WinZip to unzip the video files. Otherwise, one of the videos will not be displayed correctly.

The video files are extracted to a folder (called Languages) that must reside in the shared location that contains the other content folders such as Clipart, Fonts, and Photos.

**Workstation setup**

Do the following:

- Make sure that you are — and anyone else who will be installing the software is — either a local administrator or an administrator for the domains and workgroups that you are managing.
- Make sure that you have — and anyone else who will be installing the software has — read access to the server-image location.
- Make sure that the workstations have Microsoft .NET Framework 3.5 and 4.0 installed.
- Make sure that the workstations have Windows Installer 4.5 installed.

To run Bitstream® Font Navigator®, workstation users require either administrator-level privileges (on Windows 8 and Windows 7) or "Power User" privileges (on Windows XP).
GPOs

To more easily manage the access rights of workstation users — especially for pull-installation scenarios — you may want to consider using Group Policy Objects (GPOs). The *Corel Beginner’s Guide to Network Deployment* offers basic information on GPOs. For more advanced information, please refer to the Software Development Kit (SDK) for Group Policy.
Stage 2: Creating the server image

After preparing for deployment, you’re ready to create the server image. To create a basic image, you run a standard command line. To create a customized image, you can modify this command line — or you can modify certain aspects of the server image or its setup. If you want to support multiple installation types, you can create multiple server images.

In this stage
Creating a basic image ................................................................. 6
Creating a customized image ......................................................... 8
Creating multiple images .............................................................. 8

Creating a basic image

To create a basic server image, you must initialize the setup. After setting up the image and tweaking it as necessary, you can use it for deployment.

In this section
Initializing the setup ................................................................. 6
Setting up the server image ......................................................... 7
Finalizing the server image ......................................................... 7

Initializing the setup

To initialize the setup for creating a server image, you use a command line. You can create either a 32-bit server image or a 64-bit image.

The following command line lets you create a basic 32-bit server image from the installation disc (where X: is the disc drive):

\x:\x86\Setup.exe /a

The following command line lets you create a basic 64-bit server image:

\x:\x64\Setup.exe /a

If your deployment scenario requires using msiexec.exe instead of Setup.exe, see page 41.

Event logging
If you want to create a log file of installation events, include the /1 switch in your command line. For details on this switch, see page 12.

Limited setup UI
If you want to limit the amount of user interface (UI) encountered when creating a server image, include the /q switch in your command line. For details on this process, see “Limited setup UI” on page 7.
Setting up the server image

If your /a command line succeeds, the setup initializes in one of two ways:
• with full UI — for the standard command line
• with limited (or no) UI — for a command line customized to include /q

Full setup UI
The setup UI takes you step-by-step through the process of setting up the server image. A few notes on this process will suffice.

<table>
<thead>
<tr>
<th>UI component</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>End-User License Agreement (EULA)</td>
<td>To create the server image, you must accept — on behalf of your organization — the terms in the license agreement. Installations deployed from the image will not prompt users to review the license agreement.</td>
</tr>
<tr>
<td>Image Location</td>
<td>Type the full (UNC) path in the box provided, or click the Change button to browse to that location. To prevent installation problems, limit the path to 50 characters.</td>
</tr>
<tr>
<td>Product Updates</td>
<td>By default, automatic updates are enabled.</td>
</tr>
</tbody>
</table>

Limited setup UI
If you want to limit the amount of user interface (UI) encountered when creating a server image, include the /q switch in your command line. For details on this switch, see page 13.

Be careful to avoid suppressing (or “silencing”) a required user-interface field when introducing a /q switch into your command line — otherwise, you may fail to create a valid server image. You may need to include the following public properties in your command line:
• TARGETDIR="path" — to specify the desired location of the server image. For best results, do not end the path with a backslash ( \ ).
• ALLOW_PRODUCTUPDATES=0 — to disable automatic updates (and in-product messaging) on the workstations. By default, automatic updates are enabled for workstations installed from a server image.
• additional installation properties supported by the setup. For details, see “Using public properties” on page 14.

Finalizing the server image

This section describes recommended steps to take before deploying from the server image.
Optionally, you can finalize the image in the following ways:

- Customize the registry settings you want to deploy (see page 36).
- Customize the setup files (see page 38).

**Patching the image**
To avoid deploying the software twice, you may want to check for software updates and apply them to the image as necessary. For details, see page 20.

**Testing the image**
You may want to test your finalized image with a small subset of workstations before rolling it out to your entire organization.

**Moving the image**
To change the location of a server image after you create it, you must create a new image at a new location. You cannot copy an image from one location to another.

---

**Creating a customized image**

If you require a more customized server image than offered by command-line switches (see page 12) and public properties (see page 14), you may want to consider the specialized scenarios discussed in the Appendix.

- **MSI files**
  You can modify the Microsoft Windows Installer (MSI) files used to install the software. See page 33.

- **MST files**
  You can apply Microsoft® transformation (MST) files to the setup. See page 35.

- **Registry keys**
  You can edit the registry settings for the server image. See page 36.

- **Setup files**
  You can customize the setup files. See page 38.

- **Installation settings**
  You can customize the settings used to install the software on the workstations. See page 40.

---

**Creating multiple images**

If your workstations require different configurations of the software, you can create one server image for each installation type.

If you want to support both 32-bit and 64-bit installations of the software, you must create two server images: one for the 32-bit installations, and one for the 64-bit installations.

**Product updates**
When a product update becomes available, you will need to apply it to each server image. For details on image patching, see page 20.
**Naming convention**  Use a naming convention that makes it easy to distinguish the server images from one other.
Stage 3: Installing the software

After creating the server image, you can use it to install the software on the workstations in one of two ways:
• manually, by having users “pull” the software to their own workstations
• automatically, by “pushing” the software to the workstations on their users’ behalf

In this stage
Pulling the software .................................................. 10
Pushing the software ................................................ 11

Pulling the software

If users have both access to the server and administrator-level rights to their workstations, they can install (or “pull”) the software themselves. To do this, they run the setup from the server image.

In this section
Preparing for pull installation ................................. 10
Carrying out a pull installation ............................ 10

Preparing for pull installation

To ensure that the pull-installation process runs as smoothly as possible, take the time to prepare for it.

Requirements
• Confirm that each workstation meets the minimum requirements for the software (see “Workstation requirements” on page 3).
• Confirm that each workstation user has read-only access to the server image and administrator-level access to the workstation (see also “Workstation setup” on page 4).

Recommendations
• Map the workstations to the server image, and set the workstations to log in to that server location at startup. Doing so ensures that users are always connected to the server image.
• Confirm that all workstations are running the latest version of Microsoft Windows Installer. Doing so simplifies the installation process.

Carrying out a pull installation

Users pull the software to their workstations by running the setup from the server image.
The degree of user interaction required by the setup depends on how you’ve customized the server image and the deployment process.

If you prefer to restrict user customization, you may want to offer multiple server images — one per set of installation options. For details, see page 8.

**To pull the software to a workstation**

1. Browse to the location of the server image, and double-click `Setup.exe`.
2. Carry out the installation, specifying any desired options, by following the on-screen instructions.

   To prevent installation problems, limit the installation path to 50 characters.

   If you experience a scripting error, cancel the setup and try again. Doing so will resolve the error by installing required components of the Microsoft .NET Framework.

---

**Pushing the software**

To “push” the software from the server image to the workstations, you must write a command line that includes the following:

* the filename of the setup you want to use
* any desired switches, to control how the setup runs
* any desired public properties, to specify installation settings

Using this command line, you can install the software on the workstations by using any supported push method.

---

**Specifying the setup file**

The most important item to specify in your command line is the executable file for the setup: the `Setup.exe` file on the server image you want to use:

* `\server\path\x86\Setup.exe` — to push the 32-bit version of the software to 32-bit or 64-bit operating systems
* `\server\path\x64\Setup.exe` — to push the 64-bit version of the software to 64-bit operating systems

You cannot use the 64-bit version of the software on 32-bit operating systems.
If your path contains spaces, you must place quotation marks around it:

"\\server\path containing spaces\Setup.exe"

If your network requires deployment via msiexec.exe instead of Setup.exe, see page 41.

**Using switches**

By using switches in your command line, you can control the setup process. Listed in this section are the switches most commonly used when installing the software.

For general information on switches, along with details on switch syntax, please see “Switches” in the Corel Beginner’s Guide to Network Deployment.

For a list of all command-line switches for Microsoft Windows Installer, please see the Microsoft website.

/| Event logging

Use /l to log installation events.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>What it logs</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>Status messages</td>
</tr>
<tr>
<td>w</td>
<td>Nonfatal warnings</td>
</tr>
<tr>
<td>e</td>
<td>All error messages</td>
</tr>
<tr>
<td>a</td>
<td>Initiated actions</td>
</tr>
<tr>
<td>r</td>
<td>Action-specific records</td>
</tr>
<tr>
<td>u</td>
<td>User requests</td>
</tr>
<tr>
<td>m</td>
<td>Error messages for out-of-memory warnings or fatal exits</td>
</tr>
<tr>
<td>o</td>
<td>Error messages for insufficient hard-disk space during server installation</td>
</tr>
<tr>
<td>p</td>
<td>Terminal properties</td>
</tr>
<tr>
<td>*</td>
<td>All of the above, in a single log file</td>
</tr>
</tbody>
</table>

*NOTE: Alternatively to /l*, you can use /log.*

| v         | Very detailed information                        |

The default parameters for /l are iwearmo (/liwearmo "c:\install Logs.txt”).

If you want to specify a path for the log file, use the following syntax:

/| "path"
If you do not specify a path and filename, the log file is created in the current user’s temporary (Temp) folder.

In the following example, the /l switch (with default parameters) is used to log installation events in the specified file:

```
\server\path\Setup.exe /l "C:\install.txt"
```

/q Limited setup UI

Use /q to limit the amount of setup UI encountered during installation.

You can use /q to prevent users from entering their own registration information, to help enforce specific installation options, or even to perform silent installations (in which no setup UI is visible whatsoever).

<table>
<thead>
<tr>
<th>Parameter</th>
<th>What the user sees during installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>n</td>
<td>No UI whatsoever. Errors are logged in a file that you can control by using /l (see page 12). This is the default parameter. NOTE: Alternatively to /qn, you can use /quiet.</td>
</tr>
<tr>
<td>b</td>
<td>Basic UI: a progress bar and a Cancel button. If the user pushes the Cancel button, the installation is rolled back upon confirmation. NOTE: Alternatively to /qb, you can use /passive.</td>
</tr>
<tr>
<td>b!</td>
<td>Basic UI: only a progress bar. The user cannot cancel the installation.</td>
</tr>
<tr>
<td>b+</td>
<td>Basic UI: a progress bar and a Cancel button. If the user pushes the Cancel button, the installation is rolled back (without first prompting for confirmation).</td>
</tr>
<tr>
<td>r</td>
<td>Reduced UI: A progress bar, along with a page containing information about the installation. The user can cancel the installation.</td>
</tr>
<tr>
<td>f</td>
<td>Full UI</td>
</tr>
</tbody>
</table>

The default parameter for /q is n.

In the following example, all setup UI is suppressed, and any errors are recorded in the specified log file:

```
\server\path\Setup.exe /q /l "C:\Logs\My_Log.txt"
```

/? Help

The /? switch (or /help) displays Help for the setup.
Using public properties

By using public properties in your command line, you can specify installation settings. Listed alphabetically in this section are the properties most commonly used during software installation.

For general information on public properties, along with details on property syntax, please see the Corel Beginner’s Guide to Network Deployment.

For a list of all command-line properties for Microsoft Windows Installer, please see the Microsoft website.

**ADDLOCAL** Installing specific components

For details on this scenario, see the following topics in the appendix:
- “Deploying specific features” on page 24
- “Deploying specific languages” on page 27

**CONTENTDVDINSTALLDIR** Pointing installations to the extra content

You can give users access to the extra content installed from the program DVD, along with the videos downloaded from the FTP site, by placing it at a shared location on the server. See “Server setup” on page 4.

To point the installations to this location, use the following property:

```plaintext
"path"
```

For best results, do not end `path` with a backslash (\).

**DESKTOPSHORTCUTS** Opting out of desktop shortcuts

You can prevent the installation of desktop shortcuts by using the following property:

```plaintext
DESKTOPSHORTCUTS=0
```

**IGNORE_LAUNCH_CONDITIONS** Suppressing the software-requirements check

By default, the setup checks whether the computer meets the minimum software requirements (see page 3) before proceeding with the installation. To suppress this check, use the following property:

```plaintext
IGNORE_LAUNCH_CONDITIONS=1
```

**FORCENOSHOWLIC** Suppressing the EULA prompt

If the software is installed silently (see page 13), each workstation user will be prompted to accept the End-User License Agreement (EULA) at first start-up. To suppress the EULA prompt on the workstations, use the following property:

```plaintext
FORCENOSHOWLIC=1
```
If you choose to suppress the EULA prompt on the workstations, you are accepting the terms of the EULA on behalf of all users on your network when you create the server image.

**INSTALLDIR** Customizing the installation path

When deploying from the server image, use the following public property to customize the installation path of the software:

```
INSTALLDIR="path"
```

For best results, do not end the path with a backslash (\).

**REBOOT** Handling reboots

The **REBOOT** property is used with one of the following values to specify how the installation process handles any required reboots.

<table>
<thead>
<tr>
<th>Value</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Force</strong> (or F)</td>
<td>Prompts for reboot after installation. If the setup UI is suppressed, the computer is automatically rebooted after installation. NOTE: Alternatively to REBOOT=Force, you can use the /forcerestart switch.</td>
</tr>
<tr>
<td><strong>Suppress</strong> (or S)</td>
<td>Prompts for reboot during installation (if required), but reboots automatically after installation. If the setup UI is suppressed, all required reboots are automatic. NOTE: Alternatively to REBOOT=Suppress, you can use the /promptrestart switch.</td>
</tr>
<tr>
<td><strong>ReallySuppress</strong> (or R)</td>
<td>Suppresses all reboots and all reboot prompts, both during and after installation. NOTE: Alternatively to REBOOT=ReallySuppress, you can use the /norestart switch.</td>
</tr>
</tbody>
</table>

**USERNAME** Inputting the user name

To input the user name for the installation, use the following property:

```
USERNAME="user name"
```

**Running your command line**

Your command line can be used to push the software to the workstations through any of the following:

- a **batch file** — see the Microsoft website for details
- a **GPO** — see the Group Policy SDK for details
• a third-party push technology — see the manufacturer’s documentation for details

For many administrators, using a third-party push technology is the preferred push method. This section offers general guidelines on using a few such technologies.

**SCCM**
At the time of this writing, Corel has verified support for Microsoft® System Center Configuration Manager (SCCM) only insofar as its Microsoft Systems Management Server (SMS) components.

For complete information on using SCCM, please see the Microsoft website.

**SMS**
For deployment to the workstations on a “per-system” basis using package definition files (or “packages”), CorelDRAW Technical Suite X6 supports the use of Microsoft Systems Management Server (SMS).

You can create a package from scratch — or you can create one from the existing SMS files included with CorelDRAW Technical Suite X6 (in the Administrator folder on the installation disc or the server image).

For complete information on using SMS files, please refer to your resource kit for Microsoft Systems Management Server.

⚠️ The recommendations posted on the Microsoft website have not been tested with CorelDRAW Technical Suite X6 and must therefore be used at your discretion.

**IntelliMirror**
For deployment to the workstations, CorelDRAW Technical Suite X6 supports the use of the IntelliMirror technology, which is part of the Windows Server 2003, Windows Server 2008, and Windows Server 2008 R1 operating systems.

“Per-user” installations are not supported.

⚠️ To make deployment with IntelliMirror as easy as possible, CorelDRAW Technical Suite X6 includes a ZAP file (in the Administrator folder on the installation disc or the server image).

For complete information on IntelliMirror, please see the Microsoft website.
Stage 4: Maintaining the installations

An important part of administering a network is maintaining the software installed on its workstations.

In this stage

- Repairing the software ........................................... 17
- Modifying the software ........................................... 19
- Updating the software ............................................ 20
- Removing the software ........................................... 21
- Troubleshooting the software ................................. 23

Repairing the software

Repairing the software lets you install (or reinstall) missing (or corrupted) components. You can repair a single installation of the software by using the Windows Control Panel on that workstation, or you can repair multiple workstation installations by using a command line.

Repairing a single installation

You can use the Windows Control Panel to repair a single installation.

To repair an installation with the Windows Control Panel

1. In the Windows Control Panel, display the list of currently installed programs, and choose the program from the list.
2. Click Uninstall/Change (for Windows 8 and Windows 7) or Change/Remove (for Windows XP).
3. Enable the Repair option, and then click Repair.
4. Follow the on-screen instructions.

Repairing multiple installations

You can use a command line to repair multiple installations at a time.

/f  Basic repair

Use the /f switch with the Setup.exe file on the server image:

```
\server\path\Setup.exe /f
```

You cannot use the /f switch with public properties. For greater control over the repair process, use the REINSTALL and REINSTALLMODE properties instead of /f.
The `/f` switch has the following parameters.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>p</td>
<td>Reinstalls missing files</td>
</tr>
<tr>
<td>o</td>
<td>Reinstalls missing files and files older than current version</td>
</tr>
<tr>
<td>e</td>
<td>Reinstalls missing files and files equal to or older than current version</td>
</tr>
<tr>
<td>d</td>
<td>Reinstalls missing files and files different from current version</td>
</tr>
<tr>
<td>a</td>
<td>Reinstalls all files</td>
</tr>
<tr>
<td>u</td>
<td>Reinstalls all required user-specific registry keys: HKEY_CURRENT_USER, HKEY_USERS</td>
</tr>
<tr>
<td>m</td>
<td>Reinstalls all required computer-specific registry keys: HKEY_LOCAL_MACHINE, HKEY_CLASSES_ROOT</td>
</tr>
<tr>
<td>s</td>
<td>Reinstalls all existing shortcuts</td>
</tr>
<tr>
<td>v</td>
<td>Runs from the source files and re-caches the local package</td>
</tr>
</tbody>
</table>

The default parameters for `/f` are `oums`.

**Advanced repair**

For greater control over how the software is repaired, use the `REINSTALL` and `REINSTALLMODE` public properties together.

<table>
<thead>
<tr>
<th>Property</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>REINSTALL=ALL</td>
<td>Reinstalls all program features. If you prefer to reinstall only specific features (see page 24 for a list), use the following syntax: REINSTALL=Feature</td>
</tr>
<tr>
<td>REINSTALLMODE=type</td>
<td>Specifies the type of reinstallation to perform. The values for this property are the same as the parameters for the <code>/f</code> switch, so its default values are <code>oums</code>.</td>
</tr>
</tbody>
</table>

**REINSTALL**

REINSTALL MODE
Modifying the software

Modifying the software lets you change which program features are installed. You can modify a single installation of the software by using the Windows Control Panel on that workstation, or you can modify multiple workstation installations by using a command line.

Modifying a single installation

You can use the Windows Control Panel to modify a single installation.

**To modify an installation with the Windows Control Panel**

1. In the Windows Control Panel, display the list of currently installed programs, and choose the program from the list.
2. Click **Uninstall/Change** (for Windows 8 and Windows 7) or **Change/Remove** (for Windows XP).
3. Enable the **Modify** option, and then click **Next**.
4. Follow the instructions that appear.

Modifying multiple installations

You can use a command line to modify multiple installations at a time.

**ADDLOCAL** Adding features

You can use the **ADDLOCAL** public property to add program features:

```plaintext
ADDLOCAL=Feature
```

For more than one feature, use a comma-separated list:

```plaintext
ADDLOCAL=Feature1,Feature2
```

For a list of available features, see page 24.

**REMOVE** Removing features

You can use the **REMOVE** public property to remove a program feature:

```plaintext
REMOVE=Feature
```

For more than one feature, use a comma-separated list:

```plaintext
REMOVE=Feature1,Feature2
```

For a list of available features, see page 24.
Updating the software

Corel periodically releases Microsoft patch (MSP) files — or “patches” — for its products. Installing patches helps keep the software up-to-date.

In this guide, Patch.exe is a placeholder for the filename of the patch. The actual filename varies with each patch.

Locating patches

Many network administrators keep their software up-to-date by monitoring the Corel Support Services website (www.corel.com/support). When a patch is made available, these administrators download it and carry out the patching process themselves.

In this guide, \server\path\Patch.exe is a placeholder for the location and filename of the downloaded patch.

If you prefer to have workstation users patch the software for themselves, you can set up the server image to enable the automatic detection of available patches. For details, see “Setting up the server image” on page 7.

Applying patches

After locating and downloading a patch, you can apply it to the server image and then use the updated image to patch the installed software.

Corel will provide patches for any updates to XVL Studio 3D Corel Edition and XVL Player, which is included with CorelDRAW Technical Suite X6. However, the process of applying an XVL Studio 3D Corel Edition patch to the server image may differ from the process described here. For guidance, please refer to the patch notes.

Image patching

You can apply a patch to the server image. Optionally, you can begin by extracting the patch files to a specified location.

To extract the patch files to a specified location

To extract the patch files to a specified location (instead of the default Temp folder), use the following command-line syntax:

\server\path\Patch.exe /extract_all "location"

Be sure to apply all extracted patch files to the server image. Applying only some of the patch files may cause the installations to function incorrectly.
To apply the patch files to the server image

Use a command line that includes the executable file for the patch and the /a switch:

`\server\path\Patch.exe /a`

If necessary, you can include the location of the server image:

`\server\path\Patch.exe /a "\server\path\Setup.exe"`

Workstation patching

After patching the server image, you can deploy the update to the workstations.

To patch the workstations

Use the following command-line syntax:

`\server\path\Setup.exe REINSTALL=ALL`

By default, the `REINSTALLMODE=oums` property is applied. For best results, you may want to specify `REINSTALLMODE=vdm`:

`\server\path\Setup.exe REINSTALL=ALL REINSTALLMODE=vdm`

For details on `REINSTALL` (and `REINSTALLMODE`), see page 18.

To silently patch the workstations

Use the following command line:

`\server\path\Setup.exe REINSTALL=ALL REINSTALLMODE=vdm /qn`

Removing the software

You can remove the software from your network. Uninstalling the software cleanly is crucial when the time comes to upgrade to a newer version.

Image removal

You cannot automate the removal of a server image. Instead, you must manually delete the image from the server.

For best results with deleting an image, begin by doing the following:

- Make sure that the programs to be removed — and their associated files — are not currently in use on the workstations.
- If you are using Windows Terminal Server, make sure that all users are logged off.
The only way to recover a deleted server image is to re-create it by re-running the setup.

Workstation removal

You can remove a single installation of the software by using the Windows Control Panel on that workstation, or you can remove multiple workstation installations by using a command line.

Removing a single installation

You can use the Windows Control Panel to remove a single installation.

To remove an installation with the Windows Control Panel

1 In the Windows Control Panel, display the list of currently installed programs, and choose the program from the list.
2 Click Uninstall/Change (for Windows 8 and Windows 7) or Change/Remove (for Windows XP).
3 Enable the Remove option.
4 If you want to remove user files (such as presets, user-created fills, and customized files), enable the Remove user files check box.
5 Click Remove.

Removing multiple installations

You can use a command line to remove multiple installations at a time.

/x Basic removal

You can use the /x switch (or the /uninstall switch) to silently remove the software:

```bash
\server\path\Setup.exe /x
```

If you want to silently remove CorelDRAW Technical Suite X6 but not XVL Studio 3D Corel Edition and XVL Player, use the following syntax:

```bash
\server\path\Setup.exe /x DO_NOT_REMOVE_XVL=1 REMOVE
```

Advanced removal

If you want more control over the removal process, use the following two public properties.

<table>
<thead>
<tr>
<th>Property</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>REMOVE=ALL</td>
<td>Removes all features</td>
</tr>
<tr>
<td>Property</td>
<td>What it does</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>REMOVEUSERFILES=value</td>
<td>Specifies whether to remove user files:</td>
</tr>
<tr>
<td></td>
<td>• 0 — no</td>
</tr>
<tr>
<td></td>
<td>• 1 — yes</td>
</tr>
</tbody>
</table>

**Troubleshooting the software**

For help troubleshooting any issues with the software, please visit the Corel® Knowledge Base™ (www.corel.com/knowledgebase), an online repository of FAQs and articles.
Appendix: Specialized deployment scenarios

If you require a more specialized deployment scenario, the supplementary topics in this appendix may be of interest to you.

In this appendix

- Deploying specific features ........................................... 24
- Deploying specific languages ....................................... 27
- Deploying XVL Studio 3D Corel Edition and XVL Player .... 30
- Deploying customized workspaces ............................... 30
- Working with MSI files .............................................. 33
- Working with MST files .............................................. 35
- Working with registry keys ......................................... 36
- Customizing the setup files set ................................. 38
- Deploying customized installation settings ................. 40
- Deploying the software with msiexec.exe .................. 41

Deploying specific features

When performing a basic or silent installation with the /q switch (see page 13), you may want to use the ADDLOCAL property to specify which software features to install. You can specify a single feature:

\texttt{ADDLOCAL=Feature}

Or you can specify a comma-separated list of components:

\texttt{ADDLOCAL=Feature1,Feature2}

You can even specify all features:

\texttt{ADDLOCAL=ALL}

If you want to install nearly all features, naming them individually would be quite tedious. In this scenario, you can use the REMOVE public property to specify the features to subtract from ADDLOCAL=ALL:

\texttt{ADDLOCAL=ALL REMOVE=Feature1,Feature2}

Feature names are case-sensitive.

Specifying software features by feature name

CorelDRAW Technical Suite X6 components are organized into the following child features of \texttt{MainApp}.

<table>
<thead>
<tr>
<th>Software component</th>
<th>“MainApp” child feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corel DESIGNER</td>
<td>Designer</td>
</tr>
</tbody>
</table>

Deployment Guide
Appendix: Specialized deployment scenarios 24
Some editions of the software do not include certain features listed in this section.


When you specify a parent feature (such as MainApp) for programs other than Corel DESIGNER, only program files are included. To add other child features, you must specify them individually. And remember: Feature names are case-sensitive.

<table>
<thead>
<tr>
<th>Software component</th>
<th>“MainApp” child feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>CorelDRAW</td>
<td>Draw</td>
</tr>
<tr>
<td>Corel® PHOTO-PAINT™</td>
<td>PP</td>
</tr>
<tr>
<td>Corel CAPTURE™</td>
<td>Capture</td>
</tr>
<tr>
<td>Corel® CONNECT</td>
<td>Connect</td>
</tr>
<tr>
<td>Utilities</td>
<td>Utility</td>
</tr>
<tr>
<td>Import/export filters</td>
<td>Filters</td>
</tr>
<tr>
<td>User Guide (PDF file)</td>
<td>UseGuide</td>
</tr>
<tr>
<td>XVL Studio 3D Corel Edition</td>
<td>XVLStudio</td>
</tr>
<tr>
<td>XVL Player</td>
<td>XVLPlayer</td>
</tr>
</tbody>
</table>

The XVLStudio feature contains the files required to run XVL Studio 3D Corel Edition. The XVLPlayer feature contains the files required for XVL player.

The CorelDRAW component (feature name Draw) contains the following child features.

<table>
<thead>
<tr>
<th>CorelDRAW component</th>
<th>“Draw” child feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program files</td>
<td>DrPFiles</td>
</tr>
<tr>
<td>Help files</td>
<td>DrHFiles</td>
</tr>
<tr>
<td>Industry-standard labels</td>
<td>DrLabels</td>
</tr>
<tr>
<td>Plug-in filters</td>
<td>DrFilt</td>
</tr>
<tr>
<td>Predesigned graphics</td>
<td>DrTiFra</td>
</tr>
</tbody>
</table>
Specifying **Draw** includes only the CorelDRAW program files (DrPFiles). To include other child features, you must specify them individually.

**Corel PHOTO-PAINT**

The Corel PHOTO-PAINT component (feature name **PP**) contains the following child features.

<table>
<thead>
<tr>
<th>Corel PHOTO-PAINT component</th>
<th>“PP” child feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program files</td>
<td>PPPFiles</td>
</tr>
<tr>
<td>Help files</td>
<td>PPHFiles</td>
</tr>
<tr>
<td>Filters</td>
<td>PPFilt</td>
</tr>
<tr>
<td>Predesigned graphics</td>
<td>PPTiFra</td>
</tr>
<tr>
<td>Photo-enlarger plug-in</td>
<td>Photozoom</td>
</tr>
</tbody>
</table>

Specifying **PP** includes only the Corel PHOTO-PAINT program files (PPPFiles). To include other child features, you must specify them individually.

**Corel CAPTURE**

The Corel CAPTURE component (feature name **Capture**) contains the following child features.

<table>
<thead>
<tr>
<th>Corel CAPTURE component</th>
<th>“Capture” child feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program files</td>
<td>CaPFiles</td>
</tr>
<tr>
<td>Help files</td>
<td>CaHFiles</td>
</tr>
</tbody>
</table>

Specifying **Capture** includes only the Corel CAPTURE program files. To include the Help files, you must specify the child feature (CaHFiles).

**Corel CONNECT**

The **Connect** feature adds or removes a shortcut on the Windows Start menu to the standalone Corel CONNECT application. All other files required to run the Connect docker and the standalone application are installed by default.

**Utilities**

The utilities (feature name **Utility**) include the following child features.

<table>
<thead>
<tr>
<th>Utility</th>
<th>“Utility” child feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duplex wizard (for two-sided print jobs)</td>
<td>DrDupWiz</td>
</tr>
<tr>
<td>Bitstream Font Navigator</td>
<td>FontNav</td>
</tr>
<tr>
<td>Windows Shell Extension</td>
<td>ShellExt</td>
</tr>
<tr>
<td>Visual Basic® for Applications (VBA)</td>
<td>VBAFiles</td>
</tr>
<tr>
<td>Visual Studio® Tools for Applications (VSTA)</td>
<td>VSTA</td>
</tr>
</tbody>
</table>
Specifying **Utility** does not include its child features. You must individually specify each desired utility.

Windows Shell Extension cannot be added or excluded by specifying the child feature name when using the ADDLOCAL public property.

**Filters**
The **Filters** feature is a parent to **FiltersAdditional**, which contains both secondary-level import/export filters (CUR, EXE, FMV, ICO, PCD, PCX, SCT, VSD, XCF, and XPM) and tertiary-level import/export filters (GEM, HTM, IMG, MET, MOV, NAP, PIC, QTM, and SHW) for the software.

Specifying **Filters** does not include its child features. You must instead specify its child feature, **FiltersAdditional**.

**User guide**
The **UseGuide** feature places a shortcut on the Start menu to the Corel DESIGNER X6 User Guide, which is available online.

---

### Deploying specific languages

When performing a basic or silent installation with the `/q` switch (see page 13), you may want to use the **ADDLOCAL** property to specify which software languages to support. You can specify a single language:

```
ADDLOCAL=LanguageCode
```

Or you can specify a comma-separated list of languages:

```
ADDLOCAL=FEATURE1,LanguageCode1,LanguageCode2
```

Using language codes, you can specify language modules or writing tools.

Some editions of the software do not include certain languages listed in this section.

When Corel DESIGNER Technical Pack for CorelDRAW Graphics Suite X6 is deployed to a workstation, all three languages are installed.

Language codes are case-sensitive.

### Specifying UI modules by language code

A language module includes both the software UI and the writing tools for that language. By installing multiple language modules, you can enable *dynamic language switching* — the ability to change the language of the software UI.
Corel DESIGNER, XVL Studio 3D Corel Edition, and XVL Player support only German (DE), English (EN), and French (FR). However, some versions of CorelDRAW Technical Suite X6 may include additional language modules for the remaining components (CorelDRAW, Corel PHOTO-PAINT, and Corel CONNECT). The following table lists the available language modules for the remaining components, along with their corresponding language codes.

<table>
<thead>
<tr>
<th>Language module</th>
<th>Language code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brazilian Portuguese</td>
<td>BR</td>
</tr>
<tr>
<td>Chinese (Simplified)</td>
<td>CS</td>
</tr>
<tr>
<td>Chinese (Traditional)</td>
<td>CT</td>
</tr>
<tr>
<td>Czech</td>
<td>CZ</td>
</tr>
<tr>
<td>Dutch</td>
<td>NL</td>
</tr>
<tr>
<td>English</td>
<td>EN</td>
</tr>
<tr>
<td>Finnish</td>
<td>SU</td>
</tr>
<tr>
<td>French</td>
<td>FR</td>
</tr>
<tr>
<td>German</td>
<td>DE</td>
</tr>
<tr>
<td>Hungarian</td>
<td>MA</td>
</tr>
<tr>
<td>Italian</td>
<td>IT</td>
</tr>
<tr>
<td>Japanese</td>
<td>JP</td>
</tr>
<tr>
<td>Polish</td>
<td>PL</td>
</tr>
<tr>
<td>Russian</td>
<td>RU</td>
</tr>
<tr>
<td>Spanish</td>
<td>ES</td>
</tr>
<tr>
<td>Swedish</td>
<td>SV</td>
</tr>
<tr>
<td>Turkish</td>
<td>TR</td>
</tr>
</tbody>
</table>

### Specifying writing tools by language code

Each set of writing tools includes Spell Checker and may include Thesaurus or Grammatik (or both). The available languages are as follows.

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
<th>Spell Checker</th>
<th>Thesaurus</th>
<th>Grammarik</th>
</tr>
</thead>
<tbody>
<tr>
<td>Afrikaans</td>
<td>Afrika</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Catalan</td>
<td>Catalan</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
In most cases, writing tools are automatically installed with their corresponding language module—and to match the installed keyboard languages of the operating system.

The parent feature for the writing tools is named WTools. However, specifying WTools does not include its child features. You must individually specify each desired set of writing tools.

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
<th>Spell Checker</th>
<th>Thesaurus</th>
<th>Grammatik</th>
</tr>
</thead>
<tbody>
<tr>
<td>Czech</td>
<td>Czech</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Danish</td>
<td>Danish</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Dutch</td>
<td>Dutch</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>English</td>
<td>English</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Finnish</td>
<td>Finnish</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>French</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Galician</td>
<td>Galician</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>German</td>
<td>German</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Greek</td>
<td>Greek</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Icelandic</td>
<td>Iceland</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Italian</td>
<td>Italian</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Norwegian</td>
<td>Norway</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Polish</td>
<td>Polish</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Portuguese</td>
<td>Portugue</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Russian</td>
<td>Russian</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slovak</td>
<td>Slovak</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sotho</td>
<td>Sotho</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>Spanish</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Swedish</td>
<td>Swedish</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Tswana</td>
<td>Tswana</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Turkish</td>
<td>Turkish</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xhosa</td>
<td>Xhosa</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zulu</td>
<td>Zulu</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Deploying XVL Studio 3D Corel Edition and XVL Player

A typical server image of CorelDRAW Technical Suite X6 includes the files required to deploy XVL Studio 3D Corel Edition and XVL Player to the workstations.

**Updating**

Corel Corporation will provide patches for any updates to XVL Studio 3D Corel Edition and XVL Player, which are included with CorelDRAW Technical Suite X6. Any such patches will update the server image of CorelDRAW Technical Suite X6 with the latest files for XVL Studio 3D Corel Edition and XVL Player. The updated software can then be deployed to the workstations by manually repairing the installed software.

**Repairing, modifying, or removing**

XVL Studio 3D Corel Edition can be repaired, modified, or removed by using the XVL Studio 3D Corel Edition entry in the Add or remove programs dialog box of the Windows Control Panel.

XVL Player can be repaired, modified, or removed by using the XVL Player / XVL Player Pro (Ver. 9 or later) entry in the Add or remove programs dialog box of the Windows Control Panel.

If you want to silently remove CorelDRAW Technical Suite X6 but not XVL Studio 3D Corel Edition and XVL Player, you must use the following command line:

```
Setup.exe /x DO_NOT_REMOVE_XVL=1
```

Deploying customized workspaces

The software installs a selection of workspaces for use in Corel DESIGNER, CorelDRAW, and Corel PHOTO-PAINT. However, the software also lets you create and deploy customized workspaces.

Understanding workspaces

Information about the layout of a workspace is saved to XML files.

One way to customize a workspace is to manually edit its XML files. However, the easiest way is to design the workspace from within the program; in doing so, updated XML files are automatically generated.

**Image location**

The server image stores the default XML files for each workspace at the following locations:
Installed location

When the software is deployed from the server image to the workstations, the workspace XML files are copied to one of the following locations (where X: is the drive where the software is installed):

- X:\Program Files\Corel\CorelDRAW Technical Suite X6\ProgramName\Workspace — location for the 32-bit version of the software
- X:\Program Files 64\Corel\CorelDRAW Technical Suite X6\ProgramName\Workspace — location for the 64-bit version of the software

If a workstation user customizes a program workspace, the XML files for that workspace are copied to the user’s profile, updated to reflect the workspace changes, and used to re-create the customized workspace whenever that user runs the application. The default workspaces deployed from the server image to the workstations remain untouched at their installed locations.

Understanding the workspace XML files

The workspace XML files contain the following main tags.

<table>
<thead>
<tr>
<th>XML tag</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>applicationInfo</td>
<td>Identifies the program</td>
</tr>
<tr>
<td>commandBars</td>
<td>Defines the content of all menus, all toolbars, and the status bar</td>
</tr>
<tr>
<td>frame</td>
<td>Defines the layout of the program window</td>
</tr>
<tr>
<td>items</td>
<td>Defines the items that appear in the menus and toolbars</td>
</tr>
<tr>
<td>customizationList</td>
<td>Defines all customizable items on the command bars. NOTE: Changes must be made within the XML file, not the program.</td>
</tr>
<tr>
<td>shortcutKeyTables</td>
<td>Defines all shortcut keys and associated items</td>
</tr>
</tbody>
</table>

The XML entries contain Globally Unique Identifiers (GUIDs), which are used to identify various user-interface objects in the system. For example, a command bar contains a list of items, each with its own GUID:

- If the item order is changed, the entries are simply reordered.
The default workspaces for Corel DESIGNER are installed in the following subfolders of Designer\Workspace:

- _BootDefault — standard Corel DESIGNER workspace
- CorelDRAW — CorelDRAW workspace
- Micrografx Designer — Micrografx Designer® workspace

Each subfolder contains an editable Corel Designer.ini file, which specifies a few basic program settings. Subfolders may also contain the following workspace XML files (which can be edited — or added, if missing):

- DesignerUIConfig.xml — settings for the main program
- PreviewUIConfig.xml — settings for the Print preview window
- FiltMan.ini — settings for the Filter Manager

The default workspaces for CorelDRAW are installed in the following subfolders of Draw\Workspace:

- _BootDefault — standard CorelDRAW workspace
- Adobe Illustrator — Adobe® Illustrator® workspace

Each subfolder contains an editable CorelDRAW.ini file, which specifies a few basic program settings. Subfolders may also contain the following workspace XML files (which can be edited — or added, if missing):

- DRAWUIConfig.xml — settings for the main program
- PreviewUIConfig.xml — settings for the Print preview window
- FiltMan.ini — settings for the Filter Manager

The default workspaces for Corel PHOTO-PAINT are installed in the following subfolders of PHOTO-PAINT\Workspace:

- _BootDefault — standard Corel PHOTO-PAINT workspace
- Adobe Photoshop — Adobe® Photoshop® workspace

Each subfolder contains an editable CorelPP.ini file, which specifies a few basic program settings. Subfolders may also contain the following workspace XML files (which can be edited — or added, if missing):

- PPUIConfig.xml — settings for the main program
- PreviewUIConfig.xml — settings for the Print preview window
Working with MSI files

Stored in the Setup folder on the installation disc, the main Microsoft Windows Installer (MSI) file for the setup — `\x86\CDTS16\Setup.msi` (for 32-bit installations) or `\x64\CDTS16\Setup_x64.msi` (for 64-bit installations) — contains a database of all features, registry keys, folders, and shortcuts for the software.

The server image contains a copy of the main setup MSI file — the MSI tables within which you can modify for deployment to the workstations.

Various components of the software are stored in additional MSI files. Some of these MSI files are required by the setup, while others represent optional features of the software.

You can exclude optional MSI files from the setup by creating a customized server image. Excluding an MSI file prevents the corresponding feature from being installed. For details, see page 33.

**Setup files**

Besides Setup.msi, the setup requires additional MSI files to carry out the installation. These required MSI files include the following:

- x86\ICA.msi or x64\ICA_64.msi
- x86\CDTS16\ShellExt.msi or x64\CDTS16\ShellExt.msi

**Language modules**

The setup requires at least one language module, MSI files for which are stored at x86\CDTS16 (32-bit) or x64\CDTS16 (64-bit) on the installation disc. Corel DESIGNER, XVL Studio 3D Corel Edition, and XVL Player support only German, English, and French. However, some versions of CorelDRAW Technical Suite X6 may include additional language modules for the remaining components (CorelDRAW, Corel PHOTO-PAINT, and Corel CONNECT). The following table lists all language modules that the software may contain.

<table>
<thead>
<tr>
<th>Language module</th>
<th>MSI file</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brazilian Portuguese</td>
<td>BR.msi (32-bit) or BR_x64.msi (64-bit)</td>
</tr>
<tr>
<td>Chinese (Simplified)</td>
<td>CS.msi (32-bit) or CS_x64.msi (64-bit)</td>
</tr>
<tr>
<td>Chinese (Traditional)</td>
<td>CT.msi (32-bit) or CT_x64.msi (64-bit)</td>
</tr>
<tr>
<td>Czech</td>
<td>CZ.msi (32-bit) or CZ_x64.msi (64-bit)</td>
</tr>
<tr>
<td>Dutch</td>
<td>NL.msi (32-bit) or NL_x64.msi (64-bit)</td>
</tr>
<tr>
<td>English</td>
<td>EN_Des.msi and EN_Des_x64.msi</td>
</tr>
<tr>
<td>Finnish</td>
<td>SU.msi (32-bit) or SU_x64.msi (64-bit)</td>
</tr>
<tr>
<td>French</td>
<td>FR_Des.msi and FR_Des_x64.msi</td>
</tr>
</tbody>
</table>
### Language module | MSI file
---|---
German | DE_Des.msi and DE_Des_x64.msi
Hungarian | MA.msi (32-bit) or MA_x64.msi (64-bit)
Italian | IT.msi (32-bit) or IT_x64.msi (64-bit)
Japanese | JP.msi (32-bit) or JP_x64.msi (64-bit)
Polish | PL.msi (32-bit) or PL_x64.msi (64-bit)
Russian | RU.msi (32-bit) or RU_x64.msi (64-bit)
Spanish | ES.msi (32-bit) or ES_x64.msi (64-bit)
Swedish | SV.msi (32-bit) or SV_x64.msi (64-bit)
Turkish | TR.msi (32-bit) or TR_x64.msi (64-bit)

Language module | MSI file
---|---
English | EN_SA.msi and EN_SA_x64.msi
French | FR_SA.msi and FR_SA_x64.msi
German | DE_SA.msi and DE_SA_x64.msi

### Programs
To install the programs included with the software, the setup uses the following MSI files at x86|CDTS16 (32-bit) or x64|CDTS16 (64-bit) on the installation disc.

<table>
<thead>
<tr>
<th>Program</th>
<th>MSI file</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bitstream Font Navigator</td>
<td>FontNav.msi (32-bit), or FontNav_x64.msi (64-bit)</td>
</tr>
<tr>
<td>Corel CAPTURE</td>
<td>Capture.msi (32-bit), or Capture_x64.msi (64-bit)</td>
</tr>
<tr>
<td>Corel CONNECT</td>
<td>Connect.msi (32-bit), or Connect_x64.msi (64-bit)</td>
</tr>
<tr>
<td>Corel DESIGNER</td>
<td>Designer.msi (32-bit), or Designer_x64.msi (64-bit)</td>
</tr>
<tr>
<td>Corel PHOTO-PAINT</td>
<td>PHOTO-PAINT.msi (32-bit), or PHOTO-PAINT_x64.msi (64-bit)</td>
</tr>
<tr>
<td>CorelDRAW</td>
<td>Draw.msi (32-bit), or Draw_x64.msi (64-bit)</td>
</tr>
</tbody>
</table>
### Features

To install the various components of the software, the setup uses additional MSI files stored at `Setup\x86\CDTS16` (32-bit) or `Setup\x64\CDTS16` (64-bit). These files include the following.

<table>
<thead>
<tr>
<th>Feature</th>
<th>MSI file</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ghostscript general public license, for EPS and PostScript® import</td>
<td>Ghostscript.msi</td>
</tr>
<tr>
<td>Microsoft Visual Basic for Applications (VBA)</td>
<td>VBA.msi (32-bit), or VBA_x64.msi (64-bit)</td>
</tr>
<tr>
<td>Microsoft Visual Studio Tools for Applications (VSTA)</td>
<td>CDTS_VSTA.msi (32-bit), or CDTS_VSTA_x64.msi (64-bit)</td>
</tr>
<tr>
<td>Windows Shell Extension</td>
<td>ShellExt.msi and 64BitKey.msi (32-bit) or ShellExt.msi and 32BitKey.msi (64-bit)</td>
</tr>
</tbody>
</table>

### Working with MST files

If you want to apply a Microsoft transformation (MST) file to the setup, simply apply it to your command line.

By default, MST files are applied to the `Setup.msi` file for the setup.

**To apply a transformation to the setup**

1. Store the MST file on the server image.
2. Use the `TRANSFORMS` property to specify that MST file, as shown here (where `MST` is the filename of the MST file):

   ```
   Setup.exe TRANSFORMS="MST"
   ```

   If the MST file is not in the same folder as `Setup.exe`, `MST` must specify the full path and filename of the MST file.

### Applying a transformation to a specific MSI file

To apply an MST file to a specific MSI file, use the following syntax (where `MSI` is the filename of the MSI file, not including its extension; and where `MST` is the filename of the MST file, including its extension):

```
Setup.exe TRANSFORMS_MSI="MST"
```

If the MST file is not in the same folder as the MSI file, `MST` must specify the full path and filename of the MST file.
Example 1  To apply my_draw.mst to Draw.msi (in the same folder), use the following syntax:

```bash
Setup.exe TRANSFORMS_Draw="my_draw.mst"
```

Example 2  To apply MyTransform.mst to PHOTO-PAINT.msi (in the same folder), use the following syntax:

```bash
Setup.exe TRANSFORMS_PHOTO-PAINT="MyTransform.mst"
```

Troubleshooting MST files

If you have trouble applying an MST file, do the following:

- Check the syntax of your command line — in particular, the path to the MST file.
- Check your permissions.
- Make sure that the MST file was created correctly.
- Check the associated MSI files.

For additional help with MST files, contact Corel Support Services (www.corel.com/support). Please note, however, that charges will apply.

Working with registry keys

After creating the server image, you may want to edit its registry keys for deployment to the workstations. By doing so, you can avoid having to manually configure the registry keys of each individual workstation installation of the software.

Making extra content available

As previously discussed (see page 4), you can make extra content available to workstation users by copying it to the server share.

You can set the path to the server content by using the public property (see page 14) — or, by editing the appropriate section in the following HKEY_LOCAL_MACHINE\Software\ registry key:

- 32-bit OS — Corel\Media\CorelDRAW Technical Suite X6
- 64-bit OS with (default) 64-bit build — Corel\Media\CorelDRAW Technical Suite X6
- 64-bit OS with 32-bit build — Wow6432Node\Corel\Media\CorelDRAW Technical Suite X6
Setting up dynamic language switching

Dynamic language switching allows the language of the user interface to be changed, both during and after installation. This feature requires the installation of multiple language modules for the software — one for each desired user-interface language (see page 27). The selection of languages you can implement depends on the license you have purchased.

Two sets of registry settings are required for dynamic language switching:
- workstation settings
- current user settings

Workstation settings

Workstation settings affect all users. The registry setting for each workstation is as follows:

```
HKEY_LOCAL_MACHINE\SOFTWARE\Corel\Corel DESIGNER\16.0\Languages
```

Inside this key are language keys — three-letter codes that represent the available languages. These language keys are put in place by the setup, so no intervention is required. Corel DESIGNER, XVL Studio 3D Corel Edition, and XVL Player support only German, English, and French. However, some versions of CorelDRAW Technical Suite X6 may include additional language modules for the remaining components (CorelDRAW, Corel PHOTO-PAINT, and Corel CONNECT). Shown here (for reference only) are the three-letter codes for the available languages for the remaining components.

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brazilian Portuguese</td>
<td>PTB</td>
</tr>
<tr>
<td>Chinese (Simplified)</td>
<td>CHS</td>
</tr>
<tr>
<td>Chinese (Traditional)</td>
<td>CHT</td>
</tr>
<tr>
<td>Czech</td>
<td>CSY</td>
</tr>
<tr>
<td>Dutch</td>
<td>NLD</td>
</tr>
<tr>
<td>English</td>
<td>ENU</td>
</tr>
<tr>
<td>Finnish</td>
<td>FIN</td>
</tr>
<tr>
<td>French</td>
<td>FRA</td>
</tr>
<tr>
<td>German</td>
<td>DEU</td>
</tr>
<tr>
<td>Hungarian</td>
<td>HUN</td>
</tr>
<tr>
<td>Italian</td>
<td>ITA</td>
</tr>
<tr>
<td>Japanese</td>
<td>JPN</td>
</tr>
</tbody>
</table>
Under each language key are the following registry settings:

- **DirName** — specifies the name of the folder for the language-specific files, relative to `InstallationPath\Languages`
- **UIName** — specifies the name to show in the startup dialog box and on the Tools > Options > Global page

**Current user settings**

The registry setting for each current user is as follows:

```
HKEY_CURRENT_USER\Software\Corel\Corel DESIGNER\16.0
```

The **UILang** setting is not initialized by the setup because the setup cannot determine which user will run the applications. After the user has run the application once, this setting changes to the three-letter code that corresponds to the user-specified language key at the following location:

```
HKEY_LOCAL_MACHINE\SOFTWARE\Corel\Corel DESIGNER\16.0\Languages
```

### Understanding Setup.xml

The **Setup.xml** file contains four main types of nodes. With an understanding of these four nodes, you can modify the **Setup.xml** file to create a customized server image.

#### <Msi/> nodes

Each `<Msi/>` node specifies a main setup file, such as an executable (EXE) file, a self-extracting ZIP file, or an MSI file that bundles (or “chains”) other MSI files.

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polish</td>
<td>PLK</td>
</tr>
<tr>
<td>Russian</td>
<td>RUS</td>
</tr>
<tr>
<td>Spanish</td>
<td>ESN</td>
</tr>
<tr>
<td>Swedish</td>
<td>SVE</td>
</tr>
<tr>
<td>Turkish</td>
<td>TRK</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Language Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polish PLK</td>
</tr>
<tr>
<td>Russian RUS</td>
</tr>
<tr>
<td>Spanish ESN</td>
</tr>
<tr>
<td>Swedish SVE</td>
</tr>
<tr>
<td>Turkish TRK</td>
</tr>
</tbody>
</table>
<Dbm/> nodes Each <Dbm/> node specifies a component of a <Msi/> node — typically, an MSI file. A <Dbm/> node has the following structure, where GUID is the associated GUID, MSI is the path and filename of the MSI file, and name is a descriptive name for the MSI file:

```xml
<Dbm productcode="{GUID}" file="MSI" progresstext="Str.ProgressText.name" />
```

Some <Dbm/> nodes also require a condition.

If you want to apply an MST file to the specified MSI file, you can use the following syntax (where MST is the path and filename of the MST file):

```xml
<Dbm productcode="{GUID}" file="MSI" cmdline="TRANSFORMS=MST" progresstext="Str.ProgressText.name" />
```

For a list of the available MSI files, see page 33.

<Feature/> nodes Each <Feature/> node specifies a feature that is associated with an MSI file. A <Feature/> node has the following format, where name is the name of the MSI file and feature is the name of the associated feature:

```xml
<Feature name="Str.Feature.name" desc="Str.Feature.name.Desc" property="feature" />
```

Some <Feature/> nodes have subnodes.

For a list of the available features, see page 24.

<Property/> nodes Each <Property/> node specifies a public property. A <Property/> node has the following structure, where property is the name of the public property and value is its value:

```xml
<Property name="property" value="value" />
```

You can install the software faster by disabling log-file creation: Simply change the value of the ICA.LogOptions property to an empty string.

For a list of available public properties, see page 14.

Creating a server image with a customized fileset

You can use Setup.xml to create a server image with a customized fileset.

To create a server image with a customized fileset

1. Copy the server image to a new location.
2. Add any desired language-module MSI files to the server image.
3. Edit Setup.xml to reflect the additions you’ve made to the fileset:
   * Add an <Msi/> node for each new setup file.
• Add a `<Dbm/>` node for each new language-module MSI file.
• Add the following `<Property/>` node for each new language-module MSI file, where `$$` is the language:
  ```xml
  <Property name="Include.$$" value="1" />
  ```

4 Remove any unwanted MSI files from the server image.
Some MSI files cannot be removed from the setup fileset. For details, see page 33.

5 Edit `Setup.xml` to reflect the removals you’ve made from the fileset:
• Remove the corresponding `<Msi/>` node for each removed setup file.
• Remove the corresponding `<Dbm/>` node for each removed MSI file.
• Remove the corresponding `<Feature/>` node and subnode for each removed MSI file.
• Adjust any corresponding `<Property/>` nodes by changing their value.

For example, let’s say that you’re creating a single-language setup from a multi-language setup. To record the fileset changes in the `Setup.xml` file, you must remove the corresponding `<Dbm/>` and `<Feature/>` nodes for each removed language module. Next, you must set each `<Property/>` node for `Include.$$` to a value of 0, where `$$` is a removed language module. The `<Property/>` node for `ShowApplicationLanguageSelector` is automatically set to a value of 0.

---

Deploying customized installation settings

To modify the settings used to install the software on the workstations, you can use the `Persist.xml` file stored at the root of the server image.

Each entry in `Persist.xml` corresponds to a public property for the software (see page 14). The syntax of each entry is as follows:

```xml
<Property name="property" value="value" />
```

By modifying the value of an existing entry in `Persist.xml` — or by adding a new entry — you can customize the installation settings deployed from that server image. This deployment method offers an excellent alternative to creating a different server image or customizing a command line.

**Example 1** The following `Persist.xml` entry specifies that automatic software updates are enabled:

```xml
<Property name="ALLOW_PRODUCTUPDATES" value="1" />
```

By changing the value of this entry from "1" to "0" (and saving this change to `Persist.xml`), you can disable automatic updates for the workstation installations.
Example 2  The following Persist.xml entry specifies the serial number for the installation:

    <Property name="SERIALNUMBER" value="SN" />

By changing the "SN" value, you can specify a different serial number for the workstation installations.

Deploying the software with msiexec.exe

Alternatively to using Setup.exe, you can deploy the software by using msiexec.exe — a Microsoft Windows Installer file provided by the Windows operating system. In fact, you must use msiexec.exe if you want to interact directly with the MSI files, such as in the following scenarios:

• if you want to use the Setup.msi file, rather than a start-up script, to install the software by using a Group Policy Object
• if you want to use the Setup.msi file to create packages for use with Novell ZENworks Desktop Management

Command-line syntax

As with Setup.exe, you use msiexec.exe to create command lines that perform a setup-related function. A msiexec.exe command line requires the following items:

• a switch that signals the desired action: creating a server image (/a); or installing (/i), repairing (/f), or removing (/x) the software
• the location and name of the desired MSI file: typically, Setup.msi (located on the installation disc or on the server image).
• any desired public properties
• any desired switches, as specified by the CHAINER_CMD="switches" public property (multiple switches are separated by a space)

For example, the following msiexec.exe command line uses the file \server\CDTS16\Setup.msi or Setup_x64.msi to install the software while displaying the full user interface:

    msiexec.exe /i "\server\CDTS16\Setup.msi"
    ADDLOCAL="ALL" CHAINER_CMD="/qf"

MST files

As previously explained (see page 35), you can use the TRANSFORMS public property to apply an MST file to the setup. By default, all MST files are applied to the Setup.msi file. If you want to apply an MST file to a different MSI file, you must use the following syntax (where MST is the filename of the MSI file, not including its extension; and where MST is the filename of the MST file, including its extension):

    TRANSFORMS_MSI="MST"

If the MST file is not in the same folder as the MSI file, MST must specify the full path and filename of the MST file.
For example, the following `msiexec.exe` command line uses the file \\server\CDTS16\Setup.msi or Setup_x64.msi to install the software silently, applies the transformation `my_draw.mst` to `Draw.msi` (in the same folder), and applies the transformation `my_pp.mst` to `PHOTO_PAINT.msi` (in the same folder):

```
msiexec.exe /i "\\server\CDTS16\Setup.msi"
ADDLOCAL="ALL" CHAINER_CMD="/qn"
TRANSFORMS_Draw="my_draw.mst"
TRANSFORMS_PP="my_pp.mst"
```
Index

C
command lines
  public properties  14
  running  15
  switches  12
content  4

D
deployment
  preparing for  2
  specialized scenarios  24
desktop shortcuts  14
dynamic language switching  37

E
EULA suppression  14
extra content  14

F
features, deploying  24
fileset customization  38

I
installation path  15
installation settings  40
installing software  10
IntelliMirror support  16

L
languages, deploying  27

M
maintaining software  17
modifying software  19
MSI files  33
msiexec.exe, deploying with  41
MST files  35

N
networks
  requirements  2
  setting up  4

P
patching software  20
Persist.xml  40
public properties  14
pull installations  10
push installations  11

R
Readme file  3
reboots, handling  15
registry keys  36
removing software  21
repairing software  17

S
SCCM support  16
server images
  basic  6
  customized  8
fileset, customizing  39
multiple  8
servers
  setup  4
  software requirements  2
setup
  logging events  12
  suppressing UI  13
Setup.xml  38
shortcuts, desktop  14
silent installations  13
SMS support  16
software requirements  2
  suppressing setup check  14
switches  12

T
troubleshooting software  23

U
UI language modules  27
uninstalling software  21
updating software  20
user name, inputting  15

V
videos  4

W
workspaces, customizing  30
workstations
  setup  4
  software requirements  3
writing tools  28

X
XVL Studio 3D Corel Edition, deploying  30