

WEST BRIEFTOOLS 2.3 TECHNICAL GUIDE

SEPTEMBER 2010



THOMSON REUTERS™

Westlaw®

WEST BRIEFTOOLS TECHNICAL GUIDE

SEPTEMBER 2010

West Customer Service

Westlaw Technical and Search Assistance (available 24 hours a day)

If you have general or technical questions about Westlaw, call West Customer Technical Support at 1-800-WESTLAW (1-800-937-8529) or send an e-mail message to west.support@thomson.com.

If you have search questions about Westlaw, call the West Reference Attorneys at 1-800-REF-ATTY (1-800-733-2889) or send an e-mail message to west.referenceattorneys@thomson.com.

Technical and search assistance is also available online at help.west.thomson.com.

Accessibility Support

For information on West's accessibility policy, go to west.thomson.com/accessibility.

Billing and Account Assistance

For billing and account assistance, call 1-800-328-4880.

Billing and account assistance is also available online at west.thomson.com/support.

Westlaw Training

For information about Web-based training, telephone training, or in-person training, visit west.thomson.com/westlaw/training.

Reference Materials

For free Westlaw reference materials, visit west.thomson.com/westlaw/guides. Westlaw and other West products also contain valuable online Help.

About This Guide

In this guide, the graphics and step-by-step instructions are based on accessing Westlaw via the Internet. Because of the evolving nature of Internet technology, there may be recent changes to the Westlaw interface and functionality that are not reflected in this documentation.

Information in this guide is current through September 2010.

Author: Tanya Zehnder, Sr. Technical Writer.

BriefTools, KeyCite, West km, and Westlaw are registered trademarks of West Publishing Corporation.

Internet Explorer, Microsoft, Windows, and Windows Vista are registered trademarks of Microsoft Corporation.

Corel and WordPerfect are registered trademarks of Corel Corporation.

© 2010 Thomson Reuters. All rights reserved.

West

610 Opperman Drive

Eagan, MN 55123-1396

Printed in the United States of America

Contents

Welcome to West BriefTools	1
System Requirements	1
Add-In Information	2
Microsoft Word	2
Corel WordPerfect	2
Installation Location Information	2
Button/Feature Functionality	2
BriefTools Button	2
West km Transactions Button	2
WestCheck Button	3
Insert Flags Button	3
Update Flags Button	3
Hide/Show Flags Button	3
Remove Flags Button	3
Local Docs Button	3
Monitor Button	4
BriefTools Administration Console	4
About West BriefTools Security	4
What Information Is Stored at West?	4
Firm ID	4
Collection Information	5
Document Information	5
West BriefTools Components	5
West solutions framework software	5
BriefTools Client Software	5
West Servers	5
West km Servers	5
West BriefTools Administration (thomson.West.WSI.Brieftoolsll.adminTool.exe)	6
Auto Update	6
Installing BriefTools with the Windows Installer	6
Single Desktop Install	7
Multiple Desktop Users Install for System Administrators	8
Updating the Software Once It Has Been Installed	9
Installing BriefTools from the Command Line	9
Using the Command Line	9
Installing Prerequisite files from the Command Line	10
Installing the BriefTools Application from the Command Line	10
Setting Options When Installing BriefTools From the Command Line	11
BriefTools Options	11
West km Options	11
Setting West km System Options	12
User Interface Display Citing References Target for West km Citing Ref Icon in Clients	12

Setting a Default Jurisdiction for West km in BriefTools	13
Installation Details	13
West Solutions Framework	13
Registry Keys	13
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Office\Word\Addins_WWSI4Word	13
HKEY_LOCAL_MACHINE\SOFTWARE\Corel\WordPerfect\10\Third Party	14
HKEY_LOCAL_MACHINE\SOFTWARE\Thomson West\Container	14
HKEY_LOCAL_MACHINE_SOFTWARE\Thomson West\Updater\Apps\wwsi\Appld	15
Program Files	15
West BriefTools	22
Program Files	22
Registry Keys	29
Log Files	33
User Permissions for BriefTools	33
Running BriefTools	33
Running BriefTools Administration	34
Running a Silent Installation	34
Disabling the Option to Send Documents to West	34
Running a Silent Uninstallation of BriefTools Legacy (Version 1.04 and earlier)	35
Removing the West km Add-In Tool	35
Removing the West km Add-in Tool with Windows Installer	35
Removing Version 2006 of the West km Add-in Tool from the Command Line	35
Removing the West km Add-in Tool Previous to 2006 from the Command Line	35
Setting Security for BriefTools	36
Setting Security in Word	36
User Account for Installation	36
Permissions	36
Setting Security in WordPerfect	36
User Account for Installation	36
Permissions	37
Uninstalling BriefTools	37
Upgrading BriefTools	37
Upgrading Using Windows Installer	37
Upgrading from the Command Line	37
APPENDIX A: COMMAND LINE INSTALL PARAMETERS	39

Welcome to West BriefTools

Welcome to BriefTools, the legal research product from West that allows you to instantly view the status of cited cases, regulations, rules, and administrative decisions, and link to the full-text documents on Westlaw; retrieve all internal documents that contain a particular citation; and monitor the status of citations within your documents. The WestCheck feature provides automated citation-checking software that verifies citations extracted from a legal document or in a citations list you create manually. BriefTools is also available for West km Litigation and Transaction customers.

This technical guide covers the following topics:

- System Requirements
- Add-In Information
- Installation Location Information
- Button/Feature Functionality
- BriefTools Administration Console
- About West BriefTools Security
- West BriefTools Components
- Auto Update
- Installing BriefTools with the Windows Installer
- Installing BriefTools from the Command Line
- User Permissions for BriefTools
- Running a Silent Installation
- Running a Silent Uninstallation of BriefTools Legacy (Version 1.04 and earlier)
- Setting Security for BriefTools
- Uninstalling BriefTools
- Upgrading BriefTools

System Requirements

- You must have administrator rights to install BriefTools.
- PC with 600 MHz processor or faster (Intel Pentium/Celeron family or AMD K6/Athlon/Duron family)
- 2 GB of available hard disk space
- At least 256 MB of available RAM
- Windows 7, Windows Vista 32 bit or 64 bit, Windows XP Professional 4, or Windows 2000 (Service Pack 4)
- Microsoft Word 2007, 2003, 2002, or 2000 or one of the following WordPerfect versions:
 - WordPerfect X4 Service Pack 1 (14.0.0.677)
 - WordPerfect X3 (13.0.0.406)
 - WordPerfect 12 Service Pack 2 (12.0.0.499)

- WordPerfect 11 Service Pack 1 (11.0.0.300)
- WordPerfect 10 Service Pack 3 (10.0.0.719)
- Internet Explorer 6.0 or later
- Microsoft .NET Framework Version 2.0 (dotnetfx.exe). See "Installation Details" on page 13 for more information.
- VSTO (vstor.exe) for Word users
- West Solutions Framework (Thomson.West.Wsi.Setup.msi)
- West Updater (Thomson.West.Updater.Setup.msi)
- BriefTools is not compatible with Novell.

Add-In Information

West Solutions Framework (WSF) uses COM Add-In technology to integrate into Microsoft Word and the Third Party Handler Technology with PerfectScript to integrate into Corel WordPerfect. BriefTools is built on top of WSF.

MICROSOFT WORD

COM Add-Ins have been supported in Microsoft Word since the 2000 version. COM Add-ins use a well-known interface named IExtensibility2 and are identified by Word through a registry key (created below the key HKEY_LOCAL_MACHINE\SOFTWARE\MICROSOFT\Office\Word\Addins). They identify the ProgID (_WWSI4Word for WSF) for the COM component that implements IExtensibility2.

Once Word loads the WSF COM component, it calls a method to allow the COM component to initialize itself and to create its user interface components. In Word 2003 and earlier versions, BriefTools buttons are loaded by WSF into a toolbar. Each button is used to invoke a primary function of the product.

COREL WORDPERFECT

The toolbar is created by copying a toolbar from a WSF WordPerfect template file that is installed as part of WSF. WSF utilizes Third Party Handlers to implement the product functions. Third Party Handlers are DLL files that are loaded by WordPerfect. They are given access to methods that allow them to access and modify the text of the document.

Installation Location Information

See "[Installation Details](#)" on page 13 for information on where files are written during an installation.

Button/Feature Functionality

BRIEFTOOLS BUTTON

This function invokes the BriefTools user interface in the WSF container pane on the left pane of the host application. See "[Installation Details](#)" on page 13 for information on registry locations.

WEST KM TRANSACTIONS BUTTON

This function invokes the West km Transactions user interface in the WSF container pane on the left pane of the host application. See "[Installation Details](#)" on page 13 for information on registry locations.

WESTCHECK BUTTON

This function invokes the WestCheck user interface in the WSF container pane on the left pane of the host application. See ["Installation Details" on page 13](#) for information on registry locations.

INSERT FLAGS BUTTON

This function searches the text of the current document for legal citations. It removes all images and hypertext links added during a previous run of Insert Flags. Then, once all legal citations are found, Insert Flags sends the text of the citation from the document text (not the complete document text itself) to the West servers for additional processing, including citation validation and the retrieval of the KeyCite flag value. This information is returned to the word-processor integration, which modifies the document by inserting an image representing the KeyCite flag value, and creates two hypertext links (to the KeyCite results and to the full text of the cited document on Westlaw).

UPDATE FLAGS BUTTON

This function searches the current document for citation information added during a previous run of Insert Flags. It stores this information, removes all previous information added by Insert Flags, and searches the current document for legal citations. Once all legal citations are found, Insert Flags sends the text of the citation from the document text (not the complete document text itself) to the West servers for additional processing, including citation validation, and the retrieval of the KeyCite flag value. This information is returned to the word-processor integration, where it is compared to the information stored earlier to determine if the KeyCite flag value has changed for any of the citations in the document since they were initially inserted. Then Update Flags modifies the document by inserting an image representing the KeyCite flag value and creates two hypertext links (to the KeyCite results and to the full text of the cited document on Westlaw) and highlights the text of any citations whose KeyCite flag value has changed.

HIDE/SHOW FLAGS BUTTON

When first selected, this function searches the current document for citation information added during a previous run of Insert Flags, and writes this information to a temporary file on the user's computer. The name of this file is stored as a custom property of the document before all the images and hypertext links added by Insert Flags are removed. When selected a second time, this function finds the file referenced by the custom document property, and utilizes the information within to recreate the images and hypertext links that were removed. The file and custom property are then removed. No information is transmitted to the West servers for this function.

REMOVE FLAGS BUTTON

This function removes all images and hypertext links added by Insert Flags or Hide/Show Flags. No information is transmitted to the West servers for this function.

LOCAL DOCS BUTTON

This function prompts the user for a legal citation, which is sent to the West servers. The user's documents that have been indexed and contain a reference to the provided legal citation are retrieved, and the name, location, and other relevant properties of the document are returned to the user.

Note If you choose to install the West km features, the BriefTools Administration Console and the Local Docs feature will not be installed.

MONITOR BUTTON

This function searches the text of the current document for legal citations. Once all citations are found, Monitor sends the text of the citation from the document text (not the complete document text itself) to the West servers for citation validation. Once validation is complete, the list of citations is forwarded to a designated Monitor server through the user's Web browser, where the user can modify what is to be monitored as well as the frequency.

BriefTools Administration Console

The BriefTools Administration console allows the user to see and manage the documents that are included in the user's indexed documents collection. It provides the ability to add new documents to the collection, as well as the ability to remove them and to identify which documents in the collection have changed since they were last indexed by BriefTools. The index information is used as the basis for the Local Docs Button on the integrated toolbars. The BriefTools Administration console is a stand-alone executable that is invoked from the Start menu.

Note If you choose to install the West km features, the BriefTools Administration Console and the Local Docs feature will not be installed.

About West BriefTools Security

You can elect to have only the citations from your documents sent to West or the entire document. Whether sending the citations only or the entire document to West, they are encrypted using Secure Sockets Layer (SSL).

SSL is a protocol that provides data encryption and server authentication, ensuring the highest level of security. SSL uses a private key to encrypt data that is transferred over the SSL connection, making it impossible to interpret the data being transferred. Authentication guarantees that you are connected to the Web site intended and ensures that your data is never redirected to an unauthorized server.

Almost all Web-based online purchases and monetary transactions are secured by SSL. Financial institutions use SSL to secure the transmission of confidential account data. Companies that conduct business via the Web use encrypted SSL connections to protect communication between the Web browser and the server. With SSL, customers can be assured that they are not exposed to any of the risks associated with sending sensitive data over an open network.

When you use BriefTools, your Westlaw password, client identifier, and entire session (from sign-on through sign-off) are encrypted using 128-bit SSL.

WHAT INFORMATION IS STORED AT WEST?

Note The following information applies to the BriefTools version with the Local Documents feature.

Firm ID

A firm ID for each user is stored at West, which is used to associate a particular user ID (Westlaw password) with a particular firm. This ensures that when West retrieves data, West retrieves only data for a particular user and the user's firm; users will not see data that does not belong to their firm.

Collection Information

The following information about a collection is stored at West:

- Name associated with the collection when it is created. This should be the user name entered during the installation
- UNC (Universal Naming Convention) path to the root folder that defines the collection
- User password

Document Information

The following document information is stored at West:

- Author
- Document name
- Document size
- Creation date
- Modified date

West BriefTools Components

WEST SOLUTIONS FRAMEWORK SOFTWARE

The WSF software provides support for the toolbar and menu items. It is provided as an add-in, which enables West to integrate into the Microsoft Word and Corel WordPerfect toolbars and menus. The user will see the WSF toolbar (for Word 2003 and earlier) or the WSF ribbon (for Word 2007). WSF uses the Microsoft Word Object Model to extract text from the document.

BRIEFTOOLS CLIENT SOFTWARE

The BriefTools client software instructs WSF to place the BriefTools buttons either within the WSF toolbar (in the case of Word 2003 and earlier versions) or in a separate container within the WSF ribbon (in the case of Word 2007). BriefTools uses WSF to extract citations from the document. In the BriefTools Administration application, dtSearch extracts citations from the document. The citations are passed on to West-hosted Web services for processing. The Monitor Citations with KeyCite feature and the Report are Web-based applications located on the Westlaw servers. Hide/Show Flags and Remove Flags do not require a connection to the server.

WEST SERVERS

The West servers provide the back-end processing. This processing includes password authentication, citation processing, KeyCite information retrieval, and functions required to create and search the index database for the firm.

WEST KM SERVERS

If you have West km with BriefTools, the West km servers can provide the back-end processing, including password authentication, citation processing, and KeyCite information retrieval.

WEST BRIEFTOOLS ADMINISTRATION (THOMSON.WEST.WSI.BRIEFTOOLSII.ADMINTOOL.EXE)

Note The following information applies to the BriefTools version with the Local Documents feature. If you choose to install the West km features, the BriefTools Administration Console and the Local Docs feature will not be installed.

BriefTools Administration is the application in which the user indexes documents. A list of the firm's file names and collections is sent to the West BriefTools Service. West BriefTools Service then compares the information provided by the file system with the information stored in the index databases located at West. The information retrieved from a user's collection and associated documents is stored in a database. During this process, West first checks for Password Authentication to determine if the user is a valid user and to ensure that the user is accessing his or her own databases. The citations are sent to the West servers for verification and indexing; then the citations list for each document is sent to the citation identification server in order to obtain the citation's unique identifier and other citation information (e.g., publication IDs). The citations list and document information (not the actual document) for the collection are then stored in the index database. Because the process is run on a low priority thread, it should have only a marginal effect on the user's computer.

Auto Update

Auto Update checks for a newer version of West BriefTools (by checking the version number) when the user chooses one of the functions on the West BriefTools toolbar or when the user starts the BriefTools Administration application (for the version with the Local Documents feature). If a change is detected, the user is asked if he or she would like to download the latest version. If the user chooses to download the latest version, the product is updated from a West server at <http://west.thomson.com/software/brieftools>.

Installing BriefTools with the Windows Installer

Notes

- You must have administrator rights to install BriefTools.
- If you have the West km Add-in Tool installed, we recommend you uninstall it. This can be done before or after you install BriefTools.

For more information about uninstalling the West km Add-in Tool, see "[Removing the West km Add-In Tool](#)" on page 35.

You have the option to install one of the following versions:

- A version that is integrated into Microsoft Word, California, New York, or Standard citation format, with or without the Local Documents feature (this feature is not recommended for firms with a Document Management System (DMS))*
- A version that is integrated into Corel WordPerfect, California, New York, or Standard citation format, with or without the Local Documents feature (this feature is not recommended for firms with a DMS)*

* Other jurisdictions are supported when sending the entire document for processing.

BriefTools can be installed for a single desktop user or for multiple desktop users by system administrators. Use the instructions on the following pages to install BriefTools for your system.

SINGLE DESKTOP INSTALL

The Single Desktop Install checks that the prerequisite files are installed. If the prerequisite files are not installed, Windows Installer will install them.

Complete the following steps to download and install the software for a single desktop user:

1. Download BriefTools at <http://west.thomson.com/software/brieftools>.
2. Click **Get this Update**.
3. Complete the Software Registration form and click **Submit**.
4. Read the Software Subscriber Agreement and click **I Agree**.
5. Click **Single Desktop User Install**.
6. Click the **Proceed with Download** button. The File Download dialog box is displayed.
7. Click **Run** to run the installation from your browser or click **Save** to save the installation files to your local hard drive, allowing you to run the setup files from there.
8. Click **Run** on the Security Warning dialog box. The West BriefTools Setup Wizard dialog box is displayed.
9. Click **Next**. The Customer Information dialog is displayed.
10. Complete the Customer Information and click **Next**.
11. Do one of the following
 - If you are a West km customer, type the server information in the text box, and click **Next**.
 - If you are not a West km customer, click **Next**.The Select Features dialog box is displayed.
12. Do one of the following:
 - If you are a West km customer, select the buttons you want to install and click **Next**.
 - If you are not a West km customer, select whether or not you want to include local document indexing and click **Next**.The Select Installation Folder dialog box is displayed.
13. Type the folder path where you want BriefTools installed, or click **Browse** to browse to a location where BriefTools will be installed
14. Click **Next**. The Confirm Installation dialog box is displayed.
15. Click **Next**.
16. When the installation is complete, click **Close**.

MULTIPLE DESKTOP USERS INSTALL FOR SYSTEM ADMINISTRATORS

You can use the multiple desktop users installation to install BriefTools. The multiple desktop install allows system administrators to silently install BriefTools over a network. Before running the Multiple Desktop Users Installation, make sure you have the prerequisite files installed:

- Microsoft .NET Framework 2.0
- Visual Studio Tools for the Office System 2.0 Runtime (for Microsoft Word 2000, 2002, or 2003 users)
- West Solutions 2.0.3008
- West Updater 2.0.2005
- WestCheck 5.0.0053

The prerequisite files can be installed from the following location:

<http://west.thomson.com/software/brieftools/multiple/default.aspx>.

Complete the following steps to download and install the software for multiple desktop users:

1. Download BriefTools at <http://west.thomson.com/software/brieftools>.
2. Click **Get this Update**.
3. Complete the Software Registration form and click **Submit**.
4. Read the Software Subscriber Agreement and click **I Agree**.
5. Click **Multiple Desktop Users Install for System Administrators**.
6. Verify that you have all the prerequisite files installed, then click the **West BriefTools** link to download the software. The File Download dialog box is displayed.
7. Click **Run** to run the installation from your browser or click **Save** to save the installation files to your local hard drive, allowing you to run the setup files from there.
8. Click **Run** in the Security Warning dialog box. The West BriefTools Setup Wizard dialog box is displayed.
9. Click **Next**. The Customer Information dialog is displayed.
10. Complete the Customer Information and click **Next**.
11. Do one of the following
 - If you are a West km customer, type the server information in the text box, and click **Next**.
 - If you are not a West km customer, click **Next**.The Select Features dialog box is displayed.
12. Do one of the following:
 - If you are a West km customer, select the buttons you want to install, and click **Next**.
 - If you are not a West km customer, select whether or not you want to include local document indexing, and click **Next**.The Select Installation Folder dialog box is displayed.
13. Type the folder path where you want BriefTools installed, or click **Browse** to browse to a location where BriefTools will be installed.

14. Click **Next**. The Confirm Installation dialog box is displayed.
15. Click **Next**.
16. When the installation is complete, click **Close**.

Updating the Software Once It Has Been Installed

If West Updater Is Installed

- **Automatic Update** – Check the notification area of the Windows taskbar for a message indicating that an update is available. If updates are available, click the notification icon and follow the on-screen instructions to download and install the updates.
- **Manual Update** – Open the West Updater from West Solutions, select the application you want to update, and click **Check for Updates**. In the *Available Applications* section, select the application you want to update and click **Download**. Follow the on-screen instructions to install the updates.

If West Updater Is Not Installed

Download the applications you want to update and follow the on-screen instructions to install the updates.

Installing BriefTools from the Command Line

You can use a command line to install BriefTools. The command line allows you to silently install BriefTools, which can be used to install over a network using a push installation method such as System Management Server. Use the standard MSI command line options.

Note If you are using this installation method and a version of the West km add-in tool previous to 2006 is already installed, you must first uninstall the previous version. For more information, see ["Removing the West km Add-In Tool" on page 35](#).

Before running the BriefTools installation, you must install the following prerequisite files:

- Microsoft .NET Framework 2.0
- Visual Studio Tools for the Office System 2.0 Runtime (for Microsoft Word 2000, 2002, or 2003 users)
- West Solutions 2.1.0056
- West Updater 2.0.2008
- WestCheck 5.0.0053

The prerequisite files can be installed from the following location:

<http://west.thomson.com/software/brieftools/multiple/default.aspx>.

USING THE COMMAND LINE

Use the following syntax for command line parameters:

```
msiexec /</package | /i> <Product.msi>
```

The msiexec is a MSI executable program that installs products. Type **msiexec /?** to list all install parameters, or see [Appendix A: "Command Line Install Parameters,"](#) for more details on command line parameters.

INSTALLING PREREQUISITE FILES FROM THE COMMAND LINE

Use the following command line format examples to help with installing the prerequisite files:

Prerequisite	Example
Microsoft .NET Framework 2.0	NetFx20SP1_x86.exe" /q /norestart c:\NetFx20SP1_x86.exe.log
Visual Studio Tools for the Office System 2.0 Runtime	vstor.exe" /q /norestart /l c:/vstor.exe.log
West Solutions 2.1.0056	msiexec /i Thomson.West.Wsi.Setup.msi" /q /norestart /l c:\Thomson.West.Wsi.Setup.msi.log
West Updater 2.0.2008	msiexec /i thomson.west.updater.setup.msi" /q /norestart /l c:\thomson.west.updater.setup.msi.log
WestCheck 5.0.0053	msiexec /i westcheck.msi /qn

See "Setting Options When Installing BriefTools From the Command Line" on page 11 for more information about BriefTools options and parameters.

INSTALLING THE BRIEFTOOLS APPLICATION FROM THE COMMAND LINE

After you have installed the prerequisite files, complete the following steps to install BriefTools from the command line:

Note Where applicable, the examples below show default values.

1. Verify that you have all the prerequisite files installed.
2. Close any open programs (e.g., Microsoft Word, WordPerfect, Microsoft Outlook).
3. Choose **Run** from the Start menu, type **cmd**, and press **Enter** to access a command prompt.
4. Uninstall the legacy version of the BriefTools using the following example command line format:
`legacySilentUninstall\LegacyBTUninstallAutomatorNET_EXE "West BriefTools" /uninstall_key "IDriver.exe" /plugin_key WBTPlugin.dll /del_wpt /bt_clean_word_menus`
5. Install BriefTools using the following example command line format:
`msiexec /i BriefToolsII.msi" LOCAL_DOCS_INDEXING="2" KM_SERVER="http://westkmuat.int.westgroup.com" KMACTIVEX=1 BT_BUTTONS=1 KM_TRANSACTION_BUTTON=1 KMNOCLIENTID=1 /q /promptrestart /l c:\BriefToolsII.msi.log`

See "Setting Options When Installing BriefTools From the Command Line" on page 11 for more information about BriefTools options and parameters.

SETTING OPTIONS WHEN INSTALLING BRIEFTOOLS FROM THE COMMAND LINE

To set options when you install from the command line, include the parameters listed in the tables below for BriefTools and West km. If you do not include a parameter, the default value is set. Default values are shown in **bold**.

BriefTools Options

OPTION	PARAMETER	DESCRIPTION
User Name	USER_NAME="user name"	Name of the user
Firm Name	FIRM_NAME="firm name"	Name of firm
Firm Name Short	FIRM_NAME_SHORT="short firm name"	Short firm name
Citation Format	CITATION_FORMAT=Standard or CITATION_FORMAT=California	Standard or California
Local Docs Indexing	LOCAL_DOCS_INDEXING=1 LOCAL_DOCS_INDEXING=2	Set Local Docs Indexing Do not set Local Docs Indexing Note If you have West km installed, set Local Docs Indexing to 2.

West km Options

OPTION	PARAMETER	DESCRIPTION
West km Server	KM_SERVER="km server name"	Name of the West km server
Installation Folder	TargetDir=" folder "	The folder where BriefTools is installed, where folder is the location you select. The default location is TargetDir="C:\Program Files\Thomson\West\".
ActiveX Control for Load Copy	KMACTIVEX=1	Register the ActiveX control that allows users to load and e-mail copies of your organization's documents. Note If you do not want to register the ActiveX control, do not use the KMACTIVEX parameter.
Auto Deletion of Markup	KMAUTODELETE=1	Automatically delete citation markup when closing a document. Note If you do not want West km to automatically delete citation markup when closing a document, do not use the KMAUTODELETE parameter.

OPTION	PARAMETER	DESCRIPTION
BriefTools Button Options	BT_BUTTONS=0	Do not show buttons/commands on the toolbar for BriefTools.
	BT_BUTTONS=1	Show buttons/commands on the toolbar for BriefTools.
km Transaction Button Options	KM_TRANSACTION_BUTTON=0	Do not show buttons/commands on the toolbar for West km for Transactions.
	KM_TRANSACTION_BUTTON=1	Show buttons/commands on the toolbar for West km for Transactions.
No Client ID	KMNOCLIENTID=1	Bypass the client ID prompt. Note Omit the parameter if you want to view the client ID prompt.
Install BriefTools before the km server is running	KMTESTSERVER=1	Allows BriefTools to install even if the server specified by KMSERVER="<server name>" isn't valid. Note Omit the parameter if you want BriefTools to run its usual km server check.

SETTING WEST KM SYSTEM OPTIONS

Some system options in the West km administrative tool (e.g., Setup, System Options) affect BriefTools. Use the West km administrative tool to set any of the server settings listed below.

Indexing Settings | Cite Recognition Indexing

Determines the portions of a citation that become hypertext links during West km RID processing. These links are displayed in the HTML rendering of indexed documents and when citation links are inserted in a word-processing document using West km BriefTools.

- If *Underline Citations* is selected, a hypertext link is created for the numeric portion of the citation.
- If *Underline Citations and Descriptions* is selected, a hypertext link is created for the title and numeric portion of the citation.

An incremental update for cite recognition is required for this setting to take effect.

User Interface Display | Citing References | Target for West km Citing Ref Icon in Clients

Defines the target interface of the West km citing references icon when BriefTools is the source interface. Possible values are West km intranet (default) or Westlaw.

Note When the West km intranet or Westlaw is the source interface, the icon's target automatically corresponds with the source.

User Interface Display | Transactions | Default Search Template

Determines which search template is displayed by default when end users access West km for Transactions via BriefTools. The default value is Search Documents Tab.

SETTING A DEFAULT JURISDICTION FOR WEST KM IN BRIEFTOOLS

You can set a default jurisdiction for BriefTools users with the West km server. If jurisdictional information is missing from citations in documents, this jurisdiction will be used. This is a system-wide setting for West km in BriefTools.

This feature allows RID to identify citations in situations where a citation is generic or several publications share the same publication name. In order to uniquely identify a citation's publication, RID may need to know in which state the referenced document was created. For example, if a document refers to Code section 100, the publication name *Code* is generic. A state must be specified to identify the statute. If a document refers to IC sec 100, the publication name *IC* is used for both Idaho and Indiana statutes. A state must be specified to identify which statute set (Idaho or Indiana) is being referenced.

To set a default jurisdiction for West km in BriefTools, complete these steps:

1. Add the following property to the citationEngineOptions_rid section of the shared.config file. For the value, type the two-letter standard abbreviation for the state you want to set as the default jurisdiction, for example, **NY** for New York.

```
<RIDOptions>  
  <add key="DEFAULT_JURIS" value="NY" />  
</RIDOptions>
```

Note For instructions on setting properties in configuration files, refer to the *West km Installation and Setup Guide*.

2. Because you have changed a RIDOption, restart the West km services. In the Services window on the appropriate server, right-click the service, and click **Restart**.

For more information, see the *West km Installation and Setup Guide*.

Installation Details

Note You must have administrator rights to install BriefTools.

The West BriefTools installation is a Windows Installer package.

The install program checks for Microsoft .NET, and if it's not present, it prompts the user to install .NET from Microsoft's Web page.

WEST SOLUTIONS FRAMEWORK

WSF supports application integration in the framework.

Registry Keys

Registry entries are written to HKLM (HKEY_LOCAL_MACHINE) and HKCU (HKEY_CURRENT_USER) during installation and when running the application.

HKKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Office\Word\Addins_WWSI4Word

The following entries apply to the Microsoft Word add-in.

REGISTRY NAME	REGISTRY VALUE	DESCRIPTION
Description	[Text]	Text that describes the add-in.

REGISTRY NAME	REGISTRY VALUE	DESCRIPTION
FriendlyName	WWSI4Word	Short friendly name of the add-in.
LoadBehavior	3	Enabled add-in will be 3; disabled add-in will be 2.

HKEY_LOCAL_MACHINE\SOFTWARE\Corel\WordPerfect\10\Third Party

The following entries are for the WordPerfect add-in. The 10 in the above path represents the version of WordPerfect. The number after DLL in the table below will vary based on how many WordPerfect add-ins are installed.

REGISTRY NAME	REGISTRY VALUE	DESCRIPTION
DLL1	c:\program files\thomson\west\container\bin\Thomson.West.Wsi.Integration.Corel.WordPerfect.dll	WordPerfect add-in location

HKEY_LOCAL_MACHINE\SOFTWARE\Thomson West\Container

The following registry settings are used by the container during runtime.

REGISTRY NAME	REGISTRY VALUE	DESCRIPTION
HKLM\SOFTWARE\Thomson West\Container\ImageHome	C:\Program Files\Thomson\West\Container\web\	WSF Web path
HKLM\SOFTWARE\Thomson West\Container\injectURL	C:\Program Files\Thomson\West\Container\web\inject.js	WSF Javascript file path
HKLM\SOFTWARE\Thomson West\Container\localStartupURL	C:\Program Files\Thomson\West\Container\web\default.html	WSF HTML file path
HKLM\SOFTWARE\Thomson West\Container\offlineMsgURL	C:\Program Files\Thomson\West\Container\web\offlineMsg.html	WSF HTML file path
HKLM\SOFTWARE\Thomson West\Container\startupURL	C:\Program Files\Thomson\West\Container\web\default.html	WSF HTML file path
HKLM\SOFTWARE\Thomson West\Container\TargetDir	C:\program Files\Thomson\West\	WSF installation directory

HKKEY_LOCAL_MACHINE_SOFTWARE\Thomson West\Updater\Apps\wwsi\Appld

The following registry settings are required for the Updater to correctly determine which version of WSF is installed on the machine.

REGISTRY NAME	REGISTRY VALUE	DESCRIPTION
HKLM\SOFTWARE\Thomson West\Updater\Apps\wwsi\Appld	{BBDE9D92-2F5E-466D-B6B2-66257E698891}	WSF application ID
HKLM\SOFTWARE\Thomson West\Updater\Apps\wwsi\Name	West Solutions	WSF application name
HKLM\SOFTWARE\Thomson West\Updater\Apps\wwsi\PaddedVersion	002.000.02030	WSF installed version in a zero-padded format
HKLM\SOFTWARE\Thomson West\Updater\Apps\wwsi\ProductVersion	2.0.2030	WSF installed version
HKLM\SOFTWARE\Thomson West\Updater\Apps\wwsi\TargetDir	C:\Program Files\Thomson\West\	WSF install location
HKLM\SOFTWARE\Thomson West\Updater\Apps\wwsi\Version	2.0.2030	WSF installed version

Program Files

The following files are installed to C:\Program Files\Thomson\West.

FILE NAME	DESCRIPTION
C:\Program Files\Thomson\West\BinTableInsert.vbs	Build utility
C:\Program Files\Thomson\West\CloseButton.bmp	Red X close button graphic
C:\Program Files\Thomson\West\WestSolutionsActions.dll	Utility library

The following file are installed to C:\Program Files\Thomson\West\Container.

FILE NAME	DESCRIPTION
C:\Program Files\Thomson\West\Container\wsi.config	WSI dll configuration file

The following files are installed to C:\Program Files\Thomson\West\Container\bin. These provide the executable/dll files that are required by WSF.

FILE NAME	DESCRIPTION
C:\Program Files\Thomson\West\Container\bin\eventlog.config	Configuration file for applications writing to the event log
C:\Program Files\Thomson\West\Container\bin\Microsoft.Practices.EnterpriseLibrary.Common.dll	Third party utility library
C:\Program Files\Thomson\West\Container\bin\Microsoft.Practices.EnterpriseLibrary.Logging.dll	Third party utility logging library
C:\Program Files\Thomson\West\Container\bin\Microsoft.Practices.ObjectBuilder.dll	Third party utility
C:\Program Files\Thomson\West\Container\bin\MSO.DLL	Third party utility library
C:\Program Files\Thomson\West\Container\bin\Thomson West 13.wpt	WSF WordPerfect template file
C:\Program Files\Thomson\West\Container\bin\Thomson West.wpt	WSF WordPerfect template file
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Communication.DLL	WSF Communication utility library
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Configuration.CLRLoader.dll	Utility library used to load the CLR into the host
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Configuration.CLRLoader.exp	
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Configuration.CLRLoader.lib	
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Configuration.DLL	WSF configuration library
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.DLL	WSF library containing main interfaces
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Forms.DLL	WSF forms library
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Install.dll	WSF install library

FILE NAME	DESCRIPTION
C:\ProgramFiles\Thomson\West\Container\bin\Thomson.West.Wsi.Install.InstallState	
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Integration.Corel.WordPerfect.dll	WSF WordPerfect wrapper library
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Integration.Corel.WordPerfect10.dll	WSF WordPerfect wrapper library
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Integration.Corel.WordPerfect10.dll.config	
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Integration.Corel.WordPerfect13.dll	WSF WordPerfect wrapper library
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Integration.Corel.WordPerfect13.dll.config	
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Integration.Corel.WordPerfectWrappers.DLL	WSF WordPerfect wrapper library
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Integration.Microsoft.Office.Word.dll	WSF Word wrapper library
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Integration.Microsoft.Word.exp	
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Integration.Microsoft.Word.lib	
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Integration.Microsoft.Word2003.dll	WSF Word wrapper library
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Integration.Microsoft.Word2003.dll.config	
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Integration.Microsoft.Word2007.dll	WSF Word wrapper library

FILE NAME	DESCRIPTION
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Integration.Microsoft.Word2007.dll.config	
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Interop.Office.DLL	Microsoft Office Interop file
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Interop.Office2007.DLL	Microsoft Office 2007 Interop file
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Interop.VBIDE.DLL	
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Interop.VBIDE2007.DLL	
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Interop.Word2000.DLL	Word 2000 Interop file
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Interop.Word2007.DLL	Word 2007 Interop file
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Interop.WordPerfect10.DLL	WP 10 Interop file
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Interop.WordPerfect13.DLL	WP13 Interop file
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Interop.WordPerfect14.DLL	WP14 Interop file
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Licensing.dll	WSF licensing library
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Logging.DLL	WSF logging library
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Uninstall.dll	WSF uninstall library

FILE NAME	DESCRIPTION
C:\Program Files\Thomson\West\Container\bin\Thomson.West.Wsi.Utilities.AssemblyConfiguration.DLL	WSF assembly configuration library
C:\Program Files\Thomson\West\Container\bin\tracelog.config WSF configuration file for managing the tracelog	WSF configuration file for managing the tracelog
C:\Program Files\Thomson\West\Container\bin\VBE6EXT.OLB	
C:\Program Files\Thomson\West\Container\bin\VBWP13.DLL	WordPerfect Visual Basic library
C:\Program Files\Thomson\West\Container\bin\VBWP14.DLL	WordPerfect Visual Basic library
WordPerfect Visual Basic library	Visual Studio Tools for Office installer
C:\Program Files\Thomson\West\Container\bin\wp13helper.DLL	WordPerfect helper library
C:\Program Files\Thomson\West\Container\bin\wp14helper.DLL	WordPerfect helper library
C:\Program Files\Thomson\West\Container\bin\wphelper.DLL	WordPerfect helper library

File are also installed to C:\Program Files\Thomson\West\Container\Web. These files provide the user experience.

FILE NAME	DESCRIPTION
C:\Program Files\Thomson\West\Container\Web\apps.css	WSF style sheet
C:\Program Files\Thomson\West\Container\Web\arleft.gif	Left arrow image
C:\Program Files\Thomson\West\Container\Web\arright.gif	Right arrow image
C:\Program Files\Thomson\West\Container\Web\background.bmp	WSF background image
C:\Program Files\Thomson\West\Container\Web\banner.bmp	WSF banner image
C:\Program Files\Thomson\West\Container\Web\bg.bmp	
C:\Program Files\Thomson\West\Container\Web\cflag.bmp	Flag image

FILE NAME	DESCRIPTION
C:\Program Files\Thomson\West\Container\Web\cflag.wpg	Flag image
C:\Program Files\Thomson\West\Container\Web\CloseButton.bmp	Close button image
C:\Program Files\Thomson\West\Container\Web\copybookmarks.html	
C:\Program Files\Thomson\West\Container\Web\copybookmarks.js	Javascript code file
C:\Program Files\Thomson\West\Container\Web\default.html	
C:\Program Files\Thomson\West\Container\Web\downarrow.bmp	Down arrow graphic
C:\Program Files\Thomson\West\Container\Web\down-arrow.gif	Down arrow graphic
C:\Program Files\Thomson\West\Container\Web\Earth.gif	
C:\Program Files\Thomson\West\Container\Web\gflag.bmp	Flag image
C:\Program Files\Thomson\West\Container\Web\gflag.wpg	Flag image
C:\Program Files\Thomson\West\Container\Web\Images	
C:\Program Files\Thomson\West\Container\Web\Images\bg-graddkblue.jpg	Image
C:\Program Files\Thomson\West\Container\Web\Images\button-signon.gif	Image
C:\Program Files\Thomson\West\Container\Web\Images\field-client-id.gif	Image
C:\Program Files\Thomson\West\Container\Web\Images\field-pw.gif	Image
C:\Program Files\Thomson\West\Container\Web\Images\field-user-name.gif	Image
C:\Program Files\Thomson\West\Container\Web\Images\field-westlaw-pw.gif	Image
C:\Program Files\Thomson\West\Container\Web\Images\header-sign-on.gif	Image

FILE NAME	DESCRIPTION
C:\Program Files\Thomson\West\Container\Web\Images\Progress.gif	Image
C:\Program Files\Thomson\West\Container\Web\inject.js	Javascript utility code file
C:\Program Files\Thomson\West\Container\Web\left_arrow_active.gif	Image
C:\Program Files\Thomson\West\Container\Web\Load.js	Javascript utility code file
C:\Program Files\Thomson\West\Container\Web\Login.html	Log-on HTML page
C:\Program Files\Thomson\West\Container\Web\offlineMsg.html	HTML page
C:\Program Files\Thomson\West\Container\Web\OnePassLogin.html	OnePass log-on HTML page
C:\Program Files\Thomson\West\Container\Web\outlookbar.css	Style sheet
C:\Program Files\Thomson\West\Container\Web\prefs.html	Preferences HTML file
C:\Program Files\Thomson\West\Container\Web\prefs.js	Preferences javascript code file
C:\Program Files\Thomson\West\Container\Web\rflag.bmp	Flag image
C:\Program Files\Thomson\West\Container\Web\rflag.wpg	Flag image
C:\Program Files\Thomson\West\Container\Web\right_arrow_active.gif	Image
C:\Program Files\Thomson\West\Container\Web\Scripts	
C:\Program Files\Thomson\West\Container\Web\Scripts\Common.js	Javascript code file
C:\Program Files\Thomson\West\Container\Web\Scripts\Communications.js	Javascript code file
C:\Program Files\Thomson\West\Container\Web\Scripts\inject.js	Javascript code file
C:\Program Files\Thomson\West\Container\Web\Scripts\json2.js	JSON javascript code file

FILE NAME	DESCRIPTION
C:\Program Files\Thomson\West\Container\Web\Scripts\json2_full.js	JSON javascript code file
C:\Program Files\Thomson\West\Container\Web\Scripts\Utilities.js	Javascript code file
C:\Program Files\Thomson\West\Container\Web\Stylesheets	
C:\Program Files\Thomson\West\Container\Web\Stylesheets\WSIStyleSheet.css	Style sheet
C:\Program Files\Thomson\West\Container\Web\test.html	
C:\Program Files\Thomson\West\Container\Web\TW1.gif	
C:\Program Files\Thomson\West\Container\Web\uflag.bmp	Flag image
C:\Program Files\Thomson\West\Container\Web\uflag.wpg	Flag image
C:\Program Files\Thomson\West\Container\Web\WSIProgress.html	Progress HTML page
C:\Program Files\Thomson\West\Container\Web\yflag.bmp	Flag image
C:\Program Files\Thomson\West\Container\Web\yflag.wpg	Flag image
C:\Program Files\Thomson\West\Container\Web\km_inline.bmp	Flag image
C:\Program Files\Thomson\West\Container\Web\km_inline.wpg	Flag image

WEST BRIEFTOOLS

Program Files

The following files are installed to C:\Documents and Settings\All Users\Application Data\Thomson\West\Container\Services.

FILE	DESCRIPTION
service_bt_citationrecognitionhelper.xml	WSF service block file for BriefTools
service_btoptions.xml	WSF service block file for BriefTools
service_citerecognition.xml	WSF service block file for citation recognition

FILE	DESCRIPTION
service_citexml.xml	WSF service block file for citation recognition

The following files are installed to C:\Documents and Settings\All Users\Application Data\Thomson\West\Container\Features.

FILE	DESCRIPTION
C:\Documents and Settings\All Users\Application Data\Thomson\West\Container\Features\feature_BriefTools.xml	BriefTools features XML file
C:\Documents and Settings\All Users\Application Data\Thomson\West\Container\Features\feature_transactional.xml	West km features XML file Note This file is installed if you install the Transactional option.

The following files are installed to C:\Documents and Settings\All Users\Application Data\Thomson\West.

FILE	DESCRIPTION
C:\Documents and Settings\All Users\Application Data\Thomson\West\LocalJurisdictionFile.xml	Local Jurisdiction configuration XML file

The following files are installed to C:\Documents and Settings\All Users\Desktop.

FILE	DESCRIPTION
C:\Documents and Settings\All Users\Desktop\Local Search Indexing Administration.lnk	Indexing Administration Tool Desktop Shortcut

The following files are installed to C:\Documents and Settings\All Users\Start Menu\Programs\West BriefTools.

FILE	DESCRIPTION
C:\Documents and Settings\All Users\StartMenu\Programs\West BriefTools\Local Search Indexing Administration.lnk	Indexing Administration Tool Start Menu Programs shortcut

The following files are installed to C:\Program Files\Thomson\West\BriefToolsII\Bin. The files in this directory are needed to provide the capabilities for the main features of the application.

FILE	DESCRIPTION
C:\Program Files\Thomson\West\BriefToolsII\Bin\CG.Animation.dll	Animation library used for Admin tool animations
C:\Program Files\Thomson\West\BriefToolsII\Bin\dten600.dll	Third party library used for scanning documents
C:\Program Files\Thomson\West\BriefToolsII\Bin\Interop.dtengine.dll	
C:\Program Files\Thomson\West\BriefToolsII\Bin\Interop.lasHelperLib.dll	
C:\Program Files\Thomson\West\BriefToolsII\Bin\Interop.SHDocVw.dll	Interop to Internet Explorer library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Interop.Shell32.dll	Interop to Windows Shell API
C:\Program Files\Thomson\West\BriefToolsII\Bin\Microsoft.Practices.EnterpriseLibrary.Common.dll	Third party utility library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Microsoft.Practices.EnterpriseLibrary.Logging.dll	Third party logging library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Microsoft.Practices.ObjectBuilder.dll	Third party library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.BriefToolsII.ServiceIntegration.dll	BriefTools service integration library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.BriefToolsII.AdminTool.exe	Indexing Administration tool executable file
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.BriefToolsII.CiteRecognition.dll	Citation recognition service wrapper

FILE	DESCRIPTION
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.BriefToolsII.Options.dll	BriefTools Options dialog library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.BriefToolsII.Utilities.dll	BriefTools utility library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.BriefToolsII.Utilities.InstallState	
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.Communication.dll	WSF communication library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.Configuration.dll	WSF configuration library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.dll	WSF library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.Install.dll	WSF install library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.Install.InstallState	
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.Interop.Office.dll	MS Office Interop
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.Interop.Word2000.dll	Word 2000 Interop
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.Licensing.dll	WSF licensing library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.Logging.dll	WSF logging library

FILE	DESCRIPTION
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.Text.Recognizers.CitationRecognition.CiteFinder.dll	Local citation finding library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.Text.Recognizers.CitationRecognition.DesktopCiteFinder.Interop.dll	
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.Text.Recognizers.CitationRecognizer.dll	Local citation finding library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.Text.Recognizers.CiteXML.dll	Local citation finding XML library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.Uninstall.dll	WSF uninstall library
C:\Program Files\Thomson\West\BriefToolsII\Bin\Thomson.West.Wsi.Utilities.AssemblyConfiguration.dll	WSF assembly configuration library

The following files are installed to C:\Program Files\Thomson\West\BriefToolsII.

FILE	DESCRIPTION
C:\Program Files\Thomson\West\BriefToolsII\BriefTools_Icon.ico	BriefTools icon file
C:\Program Files\Thomson\West\BriefToolsII\BT_LicenseAgreement.rtf	License agreement text

The following files are installed to C:\Program Files\Thomson\West\BriefToolsII\UI. These files provide the user experience for BriefTools.

FILE	DESCRIPTION
C:\Program Files\Thomson\West\BriefToolsII\UI\apps.css	Style sheet
C:\Program Files\Thomson\West\BriefToolsII\UI\BriefTools.html	Main BriefTools HTML page

FILE	DESCRIPTION
C:\Program Files\Thomson\West\BriefToolsII\UI\BriefTools.js	BriefTools Javascript code file
C:\Program Files\Thomson\West\BriefToolsII\UI\BriefTools_no_local_docs.html	Alternate HTML page if the user has not installed Local Document Indexing Administration tool
C:\Program Files\Thomson\West\BriefToolsII\UI\indicatorWhite.gif	Progress image
C:\Program Files\Thomson\West\BriefToolsII\UI\inject.js	Utility Javascript file
C:\Program Files\Thomson\West\BriefToolsII\UI\LocalDocs.html	HTML page used if the Local Document Indexing Administration tool has been installed
C:\Program Files\Thomson\West\BriefToolsII\UI\LocalDocsResults.html	Document indexing results page

The following files are installed to C:\Program Files\Thomson\West\Common\CiteFinderTool. These files provide the .dll and .dat files required for local citation finding to function.

FILE	DESCRIPTION
C:\Program Files\Thomson\West\Common\CiteFinderTool\brktphr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\CALABBRV.DAT	
C:\Program Files\Thomson\West\Common\CiteFinderTool\CALPUBS.DAT	
C:\Program Files\Thomson\West\Common\CiteFinderTool\charref.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\clabbrv.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\datephr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\edtrphr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\expphr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\extphr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\idntphr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\inrephr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\invcpshr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\invspshr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\invtpshr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\keywphr.dat	

FILE	DESCRIPTION
C:\Program Files\Thomson\West\Common\CiteFinderTool\LocalJurisdictionFile.xml	Local Jurisdiction configuration XML file
C:\Program Files\Thomson\West\Common\CiteFinderTool\nyabbrv.DAT	
C:\Program Files\Thomson\West\Common\CiteFinderTool\nypubs.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\othcphr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\pubs.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\skptphr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\stabbrv.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\Thomson.West.Wsi.Configuration.dll	
C:\Program Files\Thomson\West\Common\CiteFinderTool\Thomson.West.Wsi.dll	
C:\Program Files\Thomson\West\Common\CiteFinderTool\Thomson.West.Wsi.Text.Recognizers.CitationRecognition.CiteFinder.dll	
C:\Program Files\Thomson\West\Common\CiteFinderTool\Thomson.West.Wsi.Text.Recognizers.CitationRecognition.DesktopCiteFinder.dll	
C:\Program Files\Thomson\West\Common\CiteFinderTool\Thomson.West.Wsi.Text.Recognizers.CitationRecognition.DesktopCiteFinder.Interop.dll	
C:\Program Files\Thomson\West\Common\CiteFinderTool\Thomson.West.Wsi.Text.Recognizers.CitationRecognizer.dll	
C:\Program Files\Thomson\West\Common\CiteFinderTool\Thomson.West.Wsi.Text.Recognizers.CiteXML.dll	
C:\Program Files\Thomson\West\Common\CiteFinderTool\tiwdphr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\tiwsphr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\vsphr.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\westpub.dat	
C:\Program Files\Thomson\West\Common\CiteFinderTool\woaphr.dat	

Registry Keys

HKEY_LOCAL_MACHINE\SOFTWARE\Thomson West\Licensing\BriefToolsII

REG VALUE	EXAMPLE VALUES	DESCRIPTION
HKLM\SOFTWARE\Thomson West\Licensing\BriefToolsII\TargetDir	C:\Program Files\Thomson\West\BriefToolsII	BriefTools install location

HKEY_LOCAL_MACHINE\SOFTWARE\Thomson West\Updater\Apps\brieftoolsii

REG VALUE	EXAMPLE VALUES	DESCRIPTION
HKLM\SOFTWARE\Thomson West\Updater\Apps\brieftoolsii\Appld	{63E98FB1-99D2-40F9-AB23-D880DAED546C}	BriefTools application ID
HKLM\SOFTWARE\Thomson West\Updater\Apps\brieftoolsii\Name	West BriefTools	Application name
HKLM\SOFTWARE\Thomson West\Updater\Apps\brieftoolsii\TargetDir	C:\Program Files\Thomson\West\	Application install directory
HKLM\SOFTWARE\Thomson West\Updater\Apps\brieftoolsii\Version	2.1.0022	BriefTools installed version

HKEY_LOCAL_MACHINE\SOFTWARE\Thomson West\WSI\BriefTools

REG VALUE	EXAMPLE VALUES	DESCRIPTION
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\AuthType	Default	Used in constructing Westlaw links with an authorization token
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\ClientID		
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\Extensions	.doc;.wp;.wpd;.docx	The types of documents the Local Indexing Administration tool can index
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\FirmName	<set at install>	The firm name set at install time
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\FirmNameShort	<set at install>	A short version of the firm name set during installation

REG VALUE	EXAMPLE VALUES	DESCRIPTION
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\HelpURL	http://help.westlaw.com/default.asp?kb=k&refid=	BriefTools help URL
HKLM\Software\Thomson West\WSI\BriefTools\IndexAdmin		
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\IndexAdmin\DaystoLog	15	Days to keep the BriefTools log files
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\IndexAdmin\EstimatedTime	0.05	Seconds per kilobyte that it takes the indexing tool to index. Used for estimating the time left to index a set of documents.
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\IndexAdmin\IncludeSubFolders	TRUE	Whether to include subfolders during the indexing process
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\IndexAdmin\Percent1	5	Indexing tool will not report an error if collection problems are below this percentage.
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\IndexAdmin\Percent2	11	Indexing tool will report some errors if indexing issues are below this percentage.
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\InstallDir	C:\Program Files\Thomson\West\BriefToolsII\	BriefTools install location
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\MonitorURLOverride	https://keycitealert.westlaw.com/monitor/default.aspx	Monitor target URL

REG VALUE	EXAMPLE VALUES	DESCRIPTION
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\ReportURLOverride	https://report.westlaw.com/default.aspx	Report target URL
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\RequireAutoLogin	MLv8W0mbSU3xjXngCoPx3g==	Encrypted value - auto log-on on or off
HKLM\Software\Thomson West\WSI\BriefTools\Server		
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\Server\RemoteServer		BriefTools back-end service URL
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\SponsorID		
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\TargetDir	C:\ProgramFiles\Thomson\West	Install location
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\UserName	<set at install>	User name set during installation
HKLM\Software\Thomson West\WSI\BriefTools\WordIntegration		
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\WordIntegration\ShowLocal	1	Set to 0 if the Local Indexing Administration tool has <i>not</i> been installed.
HKLM\SOFTWARE\Thomson West\WSI\BriefTools>DeleteMarkupAtClose	TRUE or FALSE	Set to True for BriefTools to delete markup when closing a document.

HKKEY_LOCAL_MACHINE\SOFTWARE\Thomson West\WSI\BriefTools\Server

REG VALUE	EXAMPLE VALUES	DESCRIPTION
HKLM\SOFTWARE\Thomson West\WSI\BriefTools\Server\KMServer		West km server name

HKEY_LOCAL_MACHINE\SOFTWARE\Thomson West\WSI\CiteFinderTool

REG VALUE	EXAMPLE VALUES	DESCRIPTION
HKLM\SOFTWARE\Thomson West\WSI\CiteFinderTool\IdentifyCitationsWithinParentheses	TRUE	CiteFinder option
HKLM\SOFTWARE\Thomson West\WSI\CiteFinderTool\IdentifyPro FormaCitations	TRUE	CiteFinder option
HKLM\SOFTWARE\Thomson West\WSI\CiteFinderTool\LocalJurisdiction	Standard	Cite finding jurisdiction. Standard is the default jurisdiction or the user can choose a state.
HKLM\SOFTWARE\Thomson West\WSI\CiteFinderTool\LocalJurisdictionAbbr		Jurisdiction abbreviation. Blank if Standard jurisdiction is chosen, otherwise it's a state abbreviation.
HKLM\SOFTWARE\Thomson West\WSI\CiteFinderTool\LocalJurisdictionFile	C:\Documents and Settings\All Users\Application Data\Thomson\West\localjurisdictionFile.xml	Path to local jurisdiction file
HKLM\SOFTWARE\Thomson West\WSI\CiteFinderTool\SendDocumentToWest	TRUE	Boolean value that determines whether document text is sent to Westlaw
HKLM\SOFTWARE\Thomson West\WSI\CiteFinderTool\SendDocumentToWestAllowed	MLv8WOmbSU3xjXngCoPx3g==	Encrypted value indicating whether the SendDocumentToWest option is allowed

HKEY_CURRENT_USER\SOFTWARE\Thomson West\WSI\BriefTools

REG VALUE	EXAMPLE VALUES	DESCRIPTION
HKCU\CURRENT USER\Thomson West\WSI\BriefTools\KMLastLoginSuccessful	TRUE or FALSE	Set to True if BriefTools should prompt for a username and password.
HKCU\CURRENT USER\Thomson West\WSI\BriefTools\SaveKMPass	TRUE or FALSE	Set to True if BriefTools should store the West km password.
HKCU\CURRENT USER\Thomson West\WSI\BriefTools\KMP		Encrypted saved password

REG VALUE	EXAMPLE VALUES	DESCRIPTION
HKCU\CURRENT USER\Thomson West\WSI\BriefTools\KmUsername		Encrypted saved username
HKCU\CURRENT USER\Thomson West\WSI\BriefTools\KmNoClientID	TRUE or FALSE	Set to True to bypass the client ID prompt.

HKKEY_CURRENT_USER\SOFTWARE\Thomson West\WSI\BriefTools\Server

REG VALUE	EXAMPLE VALUES	DESCRIPTION
HKCU\SOFTWARE\Thomson West\WSI\BriefTools\Server\KMServer		West km server name

HKKEY_CURRENT_USER\Software\Thomson West\WSI\CitefinderTool

REG VALUE	EXAMPLE VALUES	DESCRIPTION
HKCU\CURRENT USER\Thomson West\WSI\CitefinderTool\SendDocumentToKM	TRUE or FALSE	Set to True for BriefTools to use West km citation processing. Set to False for BriefTools to use Westlaw citation processing. This value is set in the Options dialog box.

LOG FILES

There are no BriefTools-specific log files. Instead, WSF handles logging for all applications created using the framework. Information is logged to two different locations. The first location is the system event viewer, where the relevant information is logged. The second location is the tracelog, which stores files in C:\program files\Thomson\West\container\logs. The tracelog can be turned off or on by setting tracingEnabled to true in C:\program files\Thomson\West\Container\bin\tracelog.config. The tracelog is used for debugging purposes and is most useful to the developers because of the amount of information it provides.

User Permissions for BriefTools

The following user permissions are required for installing and running BriefTools. You must have administrator rights to install the software and to use the optional Updater application for installing software updates.

RUNNING BRIEFTOOLS

File Permissions (Default)

- Read and Execute, Read, and Write permissions for C:\Program Files\Thomson
- Read and Execute, Read, and Write permissions for [InstallationFolder]\Thomson

Note This folder may be the same as the folder in the first bullet if it was not changed

File Permissions (64-bit)

- Read and Execute, Read, and Write permissions for C:\Program Files\Thomson

Note This directory will need to be created if it does not exist

- Read and Execute, Read, and Write permissions for [InstallationFolder]\Thomson

Note By default this directory is C:\Program Files (x86)

Additional File Permissions (Windows 7)

- Read and Execute, Read, and Write permissions for C:\Documents and Setting\All Users\Application Data\Thomson

Additional File Permissions (XP)

- Read and Execute, Read, and Write permissions for C:\Documents and Setting\All Users\Application Data\Thomson

Additional File Permissions (Vista)

- Read and Execute, Read, and Write permissions for C:\ProgramData\Thomson

Registry Permissions (Default)

- Full Control Permissions to HKEY_LOCAL_MACHINE\SOFTWARE\Thomson West and HKEY_CURRENT_USER\SOFTWARE\Thomson West

Registry Permissions (64-bit OS)

- Full Control permissions to HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Thomson West and HKEY_CURRENT_USER\SOFTWARE\Thomson West

Registry Permissions (Word)

- Full Control permission to HKEY_LOCAL_MACHINE\SOFTWARE\MICROSOFT\OFFICE

Registry Permissions (WordPerfect)

- Full Control permission to HKEY_LOCAL_MACHINE\SOFTWARE\COREL

RUNNING BRIEFTOOLS ADMINISTRATION

Additional File Permissions (Default)

- Read permissions for C:\

Running a Silent Installation

Double-click the **BriefToolsSilentInstallExample.bat** file to begin the installation. Installation logs are written to C:\ for debugging purposes. BriefTools is installed with the option to send documents to West enabled by default.

DISABLING THE OPTION TO SEND DOCUMENTS TO WEST

To run a silent installation of BriefTools and disable the option to send documents to West, complete the following steps:

1. Right-click the **BriefToolsSilentInstallExample.bat** file and choose **Edit**.
2. Remove **REM** from the last line (REM regedit /S BriefToolsUploadDocOptionNotAllowed.reg) so

that it reads `regedit /S BriefToolsUploadDocOptionNotAllowed.reg`. This will automatically run the registry file required to disable the ability to send documents to West.

3. Save the file.
4. Double-click the **BriefToolsSilentInstallExample.bat** file to begin the installation. Installation logs are written to C:\ for debugging purposes.

Note After installation of one of the above methods, you can run the `BriefToolsUploadDocOptionAllowed.reg` registry file to choose whether to send the full document to West. Or you can run the `BriefToolsUploadDocOptionNotAllowed.reg` registry file to disable the ability to send the full document to West.

Note An executable file in the `legacySilentUninstall` directory will also silently uninstall legacy BriefTools. Refer to the `README.txt` file within that directory for instructions on running this executable. A line in the `BriefToolsSilentInstallExample.bat` file shows how to run it. To run it, remove `REM` from the beginning of this line:

```
REM legacySilentUninstall\LegacyBTUninstallAutomatorNET_EXE "West BriefTools" /  
uninstall_key "IDriver.exe" /plugin_key WBTPPlugin.dll /del_wpt /bt_clean_word_menus
```

Running a Silent Uninstallation of BriefTools Legacy (Version 1.04 and earlier)

Run the `LegacyBTUninstallAutomatorNET_EXE` executable using the following command:

```
LegacyBTUninstallAutomatorNET_EXE "West BriefTools" /uninstall_key "IDriver.exe" /plugin_key  
WBTPPlugin.dll /del_wpt /bt_clean_word_menus
```

Removing the West km Add-In Tool

If you have the West km Add-In Tool installed prior to installing BriefTools, you can remove it using Windows Installer or from the command line.

REMOVING THE WEST KM ADD-IN TOOL WITH WINDOWS INSTALLER

To remove the add-in tool using Windows Installer, complete these steps:

1. Choose **Control Panel** from the Start menu, and then double-click **Add or Remove Programs**.
2. Select **West km Client 2006** and click **Remove**.

Note You may need to click **Change/Remove** and then click **Remove** after selecting **West km Client 2006**.

REMOVING VERSION 2006 OF THE WEST KM ADD-IN TOOL FROM THE COMMAND LINE

To uninstall version 2006 or later of the add-in tool, you can use the following command line:

```
msiexec /x "\\server\share\West km Client.msi" /q
```

REMOVING THE WEST KM ADD-IN TOOL PREVIOUS TO 2006 FROM THE COMMAND LINE

To uninstall a version of the add-in tool previous to 2006, use the following command line:

```
C:\Windows\System32\msiexec.exe /x <path to BriefTools msi> /quiet
```

After the command has finished executing, you must delete the following registry keys:

- HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall\InstallShield Uninstall Information\{FECA0BE8-EDB9-44D5-8024-4FA9F15BB3BC}
- HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall\InstallShield_{FECA0BE8-EDB9-44D5-8024-4FA9F15BB3BC}

Setting Security for BriefTools

The following settings are required in Microsoft Word and Corel WordPerfect to install and use BriefTools.

SETTING SECURITY IN WORD

User Account for Installation

If the Windows registry has been locked down to prevent end users from installing applications and modifying the registry, the account that is used to install BriefTools must have administrative rights for the computer.

If the Windows registry has not been locked down, BriefTools can be installed by an end user with the following:

- Read and Execute and Read permissions to setup.exe
- Read and Execute, Read, and Write permissions to C:\Program Files\Thomson\West\ BriefToolsII (or the installation location)
- Write permission to HKEY_LOCAL_MACHINE\SOFTWARE
- Permission to register .dll files

Permissions

The following file, registry, and macro permissions are required in order for BriefTools to function.

File Permissions

C:\Program Files\Thomson\West\BriefToolsII (or the installation location) and all subfolders
Local Users group or Current User permissions: Read and Execute, Read, Write

Registry Permissions

HKEY_LOCAL_MACHINE\SOFTWARE\Thomson West and subkeys
Local Users group or Current User permissions: Read and Write

SETTING SECURITY IN WORDPERFECT

User Account for Installation

If the Windows registry has been locked down to prevent end users from installing applications and modifying the registry, the account that is used to install BriefTools must have administrative rights for the computer.

If the Windows registry has not been locked down, BriefTools can be installed by an end user with the following:

- Read and Execute and Read permissions to setup.exe

- Read and Execute, Read, and Write permissions to C:\Program Files\Thomson\West\BriefToolsII (or the installation location)
- Write permission to HKEY_LOCAL_MACHINE\SOFTWARE\COREL
- Permission to register .dll files

Permissions

The following file, registry, and macro permissions are required in order for BriefTools to function.

File Permissions

C:\Program Files\Thomson\West\BriefToolsII (or the installation location) and all subfolders
Local Users group or Current User permissions: Read and Execute, Read, Write

Registry Permissions

HKEY_LOCAL_MACHINE\SOFTWARE\Thomson West and subkeys
Local Users group or Current User permissions: Read and Write

Uninstalling BriefTools

To uninstall BriefTools using the InstallShield Wizard, complete the following steps:

1. Choose **Control Panel** from the Start menu and then double-click **Add or Remove Programs**.
2. Scroll down and select **West BriefTools** and then click **Remove**.
3. Click **Yes** to confirm the deletion.
4. Click **Finish**.

Upgrading BriefTools

You can upgrade BriefTools using the InstallShield Wizard or from the command line.

UPGRADING USING WINDOWS INSTALLER

Use the setup.exe or msi file to upgrade from a previous version of BriefTools. During installation of the latest version, the previous version is removed.

UPGRADING FROM THE COMMAND LINE

See ["Installing BriefTools from the Command Line"](#) on page 9.

Appendix A: Command Line Install Parameters

The table below provides a brief explanation of each of the install parameters for installing BriefTools from the command line.

Note Type `msiexec /?` to list all install parameters.

Install Options

PARAMETER	DESCRIPTION
<code></package /i> <Product.msi></code>	Installs or configures a product
<code>/a <Product.msi></code>	Administrative install that installs a product on the network
<code>/j<m> <Product.msi> [/t <Transform List>] [/g <Language ID>]</code>	/jm - Advertises the product to all users
<code>/j<u> <Product.msi> [/t <Transform List>] [/g <Language ID>]</code>	/ju - Advertises the product to the current user
<code></uninstall /x> <Product.msi ProductCode></code>	Uninstalls the product

Display Options

PARAMETER	DESCRIPTION
<code>/quiet</code>	Sets to quiet mode, no user interaction
<code>/passive</code>	Sets to unattended mode - progress bar only
<code>/q[n b r f]</code>	Sets the user interface level /qn - No user interface /qb - Basic user interface /qr - Reduced user interface /qf - Full user interface (default)
<code>/help</code>	Help information

Restart Options

PARAMETER	DESCRIPTION
<code>/norestart</code>	Do not restart after the installation is complete
<code>/promptrestart</code>	Prompts the user for restart if necessary
<code>/forcerestart</code>	Always restart the computer after installation

Logging Options

PARAMETER	DESCRIPTION
/l[i w e a r u c m o p v x + !]* <LogFile>	<ul style="list-style-type: none"> /li - Status messages /lw - Nonfatal warnings /le - All error messages /la - Start up of actions /lr - Action-specific records /lu - User requests /lc - Initial UI parameters /lm - Out-of-memory or fatal exit information /lo - Out-of-disk-space messages /lp - Terminal properties /lv - Verbose output /lx - Extra debugging information /l+ - Append to existing log file /! - Flush each line to the log /!* - Log all information, except for v and x options
/log <LogFile>	Equivalent of /!* <LogFile>

Update Options

PARAMETER	DESCRIPTION
/update <Update1.msp>[;Update2.msp]	Applies updates
/uninstall <PatchCodeGuid>[;Update2.msp] / package <Product.msi ProductCode>	Remove updates for a product

Repair Options

PARAMETER	DESCRIPTION
/f[p e c m s o d a u v] <Product.msi ProductCode>	Repairs a product /fp - only if file is missing /fo - if file is missing or an older version is installed (default) /fe - if file is missing or an equal or older version is installed /fd - if file is missing or a different version is installed /fc - if file is missing or checksum does not match the calculated value /fa - forces all files to be reinstalled /fu - all required user-specific registry entries (default) /fm - all required computer-specific registry entries (default) /fs - all existing shortcuts (default) /fv - runs from source and recaches local package

Setting Public Properties

PARAMETER	DESCRIPTION
[PROPERTY=PropertyValue]	

Published 9/10. L-347139.

© 2010 Thomson Reuters. All rights reserved. RM165115

The trademarks used herein are the trademarks of their respective owners.
West trademarks are owned by West Publishing Corporation.



THOMSON REUTERS™