Introducing Hummingbird Administrator Toolkit

Hummingbird Administrator Toolkit is a collection of applications that lets you manage and control your Hummingbird Connectivity products as follows:

- Export and import Connectivity settings using Hummingbird Settings Transfer (.humfst) files.
- Manage Windows Installer Package (.msi) source locations.
- Modify metering client settings specific to a host machine.

Related Topics

About Files and Settings Transfer Wizard

About Media Location Manager

About Hummingbird Metering Client Settings

About Files and Settings Transfer Wizard

Files and Settings Transfer Wizard lets you backup, restore, or migrate your Connectivity product settings by importing and exporting Hummingbird Settings Transfer (.humfst) files. These files contain registry entries and user settings files for all Hummingbird Connectivity products installed on your machine.

Note: You can export Connectivity settings by launching Files and Settings Transfer Wizard from either your machine or from the product CD. However, you can import Connectivity settings only by launching Files and Settings Transfer Wizard from your machine.

Related Topics

Exporting Connectivity Settings Importing Connectivity Settings

Exporting Connectivity Settings

Use the export functionality of the Files and Settings Transfer Wizard to generate a Hummingbird Settings Transfer (.humfst) file. Connectivity settings for all Hummingbird Connectivity products installed on your machine are automatically saved to this file.

To export product settings:

- 1. On the Windows Start menu, navigate to the Hummingbird Connectivity program group, point to Administrative Tools, and click Files and Settings Transfer Wizard. The Welcome page of the Files and Settings Transfer Wizard opens. Alternatively, launch the wizard by running FSTWizard.exe from the product CD.
- 2. Click Next.
- 3. On the Select Operation page, select Export.
- 4. Click Next. The wizard searches for all Hummingbird Connectivity products installed on the machine, and displays its search progress in the Progress page. Once the search is complete, the products are listed in the Export page.
- 5. On the Destination File page, specify the path and name of the .humfst file, and click Next.
- 6. On the Summary page, click Next to begin exporting product settings to the .humfst file. The Progress page opens to display the progress of the export process.
- 7. On the Complete page, click Finish.

Related Topics

About Files and Settings Transfer Wizard
Selecting an Operation
Importing Connectivity Settings

Importing Connectivity Settings

Use the import functionality of the Files and Settings Transfer Wizard to transfer Connectivity settings, which were previously exported to a Hummingbird Settings Transfer (.humfst) file, to your machine. When importing, you are prompted to specify the settings that you want to transfer.

The format in which Connectivity settings are stored may differ between product versions. Therefore, when importing Connectivity settings for previous product versions, the wizard automatically updates the format of the registry entries and user settings files to match that of the current version.

To import product settings:

- 1. On the Windows Start menu, navigate to the Hummingbird Connectivity program group, point to Administrative Tools, and click Files and Settings Transfer Wizard. The Welcome page of the Files and Settings Transfer Wizard opens.
- 2. Click Next.
- 3. On the Select Operation page, select Import and click Next.
- 4. On the Import page, specify or navigate to the Hummingbird Settings Transfer file (.humfst) that contains the products settings that you want to import.
- 5. Click Next. The wizard reads the .humfst file for Hummingbird Connectivity product settings, and displays its progress in the Progress page. Once the process is complete, all available product settings are displayed in the Import Settings page.
- 6. On the Import Settings page, in the Available Products Settings list, select the product for which you want to import settings, and click Next.

Note: It is recommended that you import only Connectivity settings for a single product version at a time. If you select Connectivity settings for multiple versions of a single product, the wizard preserves only settings for the most recent product (all other settings are overwritten). For example, if version 8.0 and 9.0 settings are simultaneously selected for import, then only version 9.0 settings are preserved.

The product(s) selected for import may contain common files and settings that might affect other Hummingbird Connectivity products currently installed on your machine. In this case, a green check mark appears next to these products in the Products Affected By Import area. Carefully review this list before importing the settings.

- 7. On the Summary page, confirm that you want to import settings for the products you specified in step 6, and click Next to begin importing settings from the .humfst file. The Progress page opens to display the progress of the import process.
- 8. On the Complete page, click Finish.

Related Topics

About Files and Settings Transfer Wizard
Selecting an Operation
Exporting Connectivity Settings

About Media Location Manager

Media Location Manager lets you view and modify Windows Installer Package(.msi) source locations for all products on your machine that are installed with Windows Installer. A graphical and command line version of Media Location Manager is provided with installation.

The Media Location Manager dialog box consists of two components:

Installed Products area—Lists all products that have been installed with Windows Installer, along with their versions and product codes.

Source Information area—Lists all locations where Windows Installer can potentially find the .msi file for a particular product, along with their source types and indexes.

Note: The source type depends on the version of Windows Installer used to install a product. If you installed a product using Windows Installer 3.0 or higher, then a source type can be either a URL or a network (local or UNC) path. Otherwise, the source type must be a network type. The index indicates the order in which Windows Installer searches for installer packages.

Whenever a product requires installation information (for example, in cases where a product feature is installed on-demand), Windows Installer automatically searches all source locations associated with the product, for the required .msi file. If there are no source locations associated with the product, then you are prompted to provided a valid one the next time Windows Installer attempts to search for the .msi file. In effect, Media Location Manager lets you manage source locations to improve source resiliency for all products listed in the Media Location Manager dialog box.

Related Topics

Managing Source Locations

Managing Source Locations

You can view and modify source locations at any time, provided that you have installed your products using Windows Installer.

You can modify source locations by doing any of the following:

- Adding one or more source locations—This is useful in cases where the .msi files for a particular product may be located in more than one location.
- Removing one or more source locations—This is useful in cases where you want to remove source locations that no longer exist or are no longer valid.

Related Topics

About Media Location Manager

Managing Source Locations Using the Command Line

For information on managing source locations using the Media Location Manager dialog box, see <u>Managing Source Locations</u>.

To modify metering client settings using the command line:

- 1. Open a DOS Command Prompt window and navigate to the Hummingbird Connectivity Accessories installation directory.
- 2. Use the medialocationmanager.com command with the following command line syntax:

medialocationmanager.com Action=TypeofAction
ProductCode={GUID} "Source=<FolderPath>"

where:

| Parameter | Description | |
|--------------|---|--|
| TypeofAction | The type of action that you want to perform on the product: | |
| | AddSource—Allows you to append a new source to the specified product's source list. This does not affect existing source locations. | |
| | ClearNetSources—Allows you to remove all network sources from the specified product's source list. | |
| | ForceSourceResolution—Forces Windows Installer to search the source list for a valid product source the next time a source is required for the specified product. | |
| ProductCode | The unique activation key for the product on which you want to perform an action. | |
| FolderPath | The source location for the product. | |
| | Note: This parameter is required only if you have specified AddSource as the action type. | |

Note: If you do not specify any parameters, then the command line application launches the graphical version of Media Location Manager.

Related Topics

About Media Location Manager

Managing Source Locations

About Hummingbird Metering Client Settings

Often, administrators need to track the number of product licenses deployed in their organizations. Hummingbird Metering Client is a component of Hummingbird Metering Server, which is an application that lets you trace licensing and user information for all Hummingbird Connectivity products installed on a particular host machine.

Hummingbird Metering Client Settings lets you configure metering client settings for a particular host machine without having to launch Sconfig. These settings, which are used to establish communication between a metering server and its metering clients, are displayed in the Hummingbird Metering Client Settings dialog box. A graphical and command line version of Hummingbird Metering Client Settings is provided with Metering Client.

You can modify the following client settings for your host machine at any time, provided that a metering server has been properly set up, typically by the administrator, and the Metering Client (metering.dll) has been properly installed and configured on your host machine:

Tip: For more information on installing metering server and clients, see the Hummingbird Metering Server ReadMe

- Server URL—URL of a metering server: http://machine/Metering/HumMetering.hmcm, where machine is the name of the metering server.
- Retry Count—Number of times the metering client resends update information to the metering server if unsuccessful on the first try (the default value is 5).
- Retry Interval—Number of minutes the metering client waits before resending the update information (the default value is 10).

Related Topics

About Metering Clients

Modifying Metering Client Settings

About Metering Clients

A metering client is any network machine running Metering Client (metering.dll), which is provided with all Hummingbird Connectivity products. Metering clients send update information to a particular metering server, and inform the server when a Hummingbird Connectivity product is installed or in use on a workstation machine.

Update information, which consists of licensing and user information such as product name, product version, and the IP address of the network machine on which a product is installed, is retrieved from the client machine's registry. By default, the metering update is triggered when a metering client starts.

Tip: For more information on the relationship between metering server and metering clients, see the Hummingbird Metering Server ReadMe.

Related Topics

About Hummingbird Metering Client Settings

Modifying Metering Client Settings

Modifying Metering Client Settings

Using Metering Client Settings, you can modify client settings for a particular metering client, provided that you have properly installed and configured the client on your host machine. This is useful in cases where you want to direct client updates to a metering server other than the current one. For more information, see <u>About Metering Clients</u>.

There are two ways you can modify client settings:

- using the Hummingbird Metering Client Settings dialog box
- using the command line

Note: To activate a metering client, you must either restart or log onto your computer again. The metering client retrieves new client settings whenever it sends an update to the metering server. New client settings take effect beginning on the next update.

You can also modify (global) metering client settings for all metering clients using the Options page of the Metering Server Administration Console. For more information, see the section "Modifying Metering Client Settings" in the Hummingbird Metering Server ReadMe.

Related Topics

About Hummingbird Metering Client Settings
About Metering Clients

General Accessibility

Hummingbird products are accessible to all users. Wherever possible, our software adheres to Microsoft Windows interface standards and contains a comprehensive set of accessibility features.

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

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

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

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

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

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

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

Enter Press the Enter key to select the highlighted item or to close a dialog box and apply the new settings. You can also press the Enter key to close all About boxes.

ToolTips ToolTips appear for all functional icons. This feature lets users use Screen Reviewers to make interface information available through synthesized speech or through a refreshable Braille display.

Microsoft Accessibility Options

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

To enable/disable Accessibility options:

- 1. In Control Panel, double-click Accessibility Options.
- 2. In the Accessibility Options dialog box, select or clear the option check boxes on the various tabs as required, and click Apply.
- 3. Click OK.

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

Technical Support

You can contact the Hummingbird Technical Support department Monday to Friday between 8:00 a.m. and 8:00 p.m. Eastern Time.

| Hummingbird Ltd. 1 Sparks Avenue, Toronto, Ontario, Canada M2H 2W1 | | | |
|---|---|-----------------|--|
| | Canada and the USA | International | |
| Technical Support: | 1-800-486-0095 | +1-416-496-2200 | |
| General Enquiry: | 1-877-FLY-HUMM | +1-416-496-2200 | |
| Main: | +1-416-496-2200 | | |
| Fax: | +1-416-496-2207 | | |
| E-mail: | support@hummingbird.com | | |
| FTP: | ftp.hummingbird.com | | |
| Web Support: | <pre>support.hummingbird.com/customer</pre> | | |
| Web Site: | www.hummingbird.com | | |

Selecting an Operation

Before you can continue working with Hummingbird Settings Transfer files and the Files and Settings Transfer Wizard, you must specify one of the following options:

Import—Specifies that you want to import Connectivity settings for one or more Hummingbird Connectivity products. If you select this option, you are prompted to specify the .humfst from which settings are imported.

Export—Specifies that you want to export Connectivity settings for all Hummingbird Connectivity products installed on your machine. If you select this option, you are prompted to save these settings to a .humfst file.

Related Topics

Importing Connectivity Settings
Exporting Connectivity Settings

Adding Source Locations

You can define new source locations for a product at any time, using the Media Location Manager dialog box. You can also add source locations using the command line. For more information, see <u>Managing Source Locations Using the Command Line</u>.

To add a source location using the Media Location Manager dialog box:

- On the Windows Start menu, navigate to the Hummingbird Connectivity program group, point to Administrative Tools, and click Media Location Manager. The Media Location Manager dialog box opens.
- 2. In the Installed Products list, select the product for which you want to manage source locations. Existing source locations for the product are displayed in the Source Information list.
- 3. Click Add. The Add Source dialog box opens.
- 4. In the dialog box, specify the following, as required:
 - In the Source Type box, specify the source type.

Note: You can specify a URL source location only if Windows Installer 3.0 is installed on your machine.

- In the Source Location box, specify the path of or browse to the installation directory that you want associated with the selected product.
- 5. If necessary, click More to specify the context in which the product was installed on your machine, by doing the following:

Note: This button is available only if Windows Installer 3.0 is installed on your machine.

- a. In the Username or Sid box, type the appropriate user name or SID. This identifies the user account with which the product was installed on your machine.
- If necessary, in the Index box, specify the index that you want associated with the source location. If you do not specify an index, Media Location Manager automatically assigns one according to

the order in which the source location is added.

c. In the Installed Context area, specify the context in which the product was installed on your machine: Per-User Managed, Per-User UnManaged, or Per-Machine (this is the default value).

6. Click OK.

The source location is automatically saved and assigned an index number, which reflects the order in which the source location was added. Windows Installer searches source locations based on this number. All changes are displayed in the Source Information list of the Media Location Manager dialog box.

Related Topics

Managing Source Locations
Removing Source Locations

Removing Source Locations

The following procedure describes how to remove one or more source locations using the Media Location Manager dialog box. You can also remove source locations using the command line. For more information, see <u>Managing Source Locations Using the Command Line</u>.

To remove one or more source locations using the Media Location Manager dialog box:

- On the Windows Start menu, navigate to the Hummingbird Connectivity program group, point to Administrative Tools, and click Media Location Manager. The Media Location Manager dialog box opens.
- 2. In the Installed Products list, select the product for which you want to remove source locations. Existing source locations for the products are displayed in the Source Information list.
- 3. Do one of the following:
 - To remove a single source location for the product, click Remove. A confirmation message appears. Click Yes to remove the selected source location.

Note: You can remove a single source location only if Windows Installer 3.0 is installed on your machine.

To remove all source locations for the product, click Remove All. A confirmation message appears. Click Yes to remove all source locations.

Note: You may require certain user privileges before you can remove source locations for a particular product. In this case, contact your administrator for more information.

If there are no source locations associated with a product, you are prompted to provided this information the next time Windows Installer attempts to search for the .msi files for this product.

All changes are automatically saved and displayed in the Source Information list in the Media Location Manager dialog box.

Related Topics

Managing Source Locations

Adding Source Locations

Modifying Metering Clients Using the Hummingbird Metering Client Settings Dialog Box

To modify metering client settings using the Hummingbird Metering Client Settings dialog box:

- On the Windows Start menu, navigate to the Hummingbird Connectivity program group, point to Administrative Tools, and click Metering Client Settings. The Hummingbird Metering Client Settings dialog box opens displaying the current metering settings for the client machine.
- Modify the following information, as necessary. For more information on these properties, see <u>About Hummingbird Metering Client Settings</u>.
 - Metering Server URL

Note: Specify this information only if you want to redirect client requests to a metering server other than the current one (http://machine2/Metering/HumMetering.hmcm, where machine2 is the name of the new metering server). You must specify a valid metering URL, as communication between the metering server and client is established through this path. Otherwise, communication is lost and any modifications do no take effect. You may need to contact your administrator for the correct URL of the metering server.

- Retry Count
- Retry Interval

Tip: For more information on these client settings, see <u>About Hummingbird Metering Client Settings</u>.

3. Click OK. All settings are saved and applied to the metering client.

Related Topics

Modifying Metering Client Settings

Modifying Metering Client Settings Using the Command Line

Modifying Metering Client Settings Using the Command Line

To modify metering client settings using the command line:

- 1. Open a DOS Command Prompt window and navigate to the Hummingbird Connectivity Accessories installation directory.
- 2. Use the meteringcfg.com command with the any of the following parameters to modify client metering settings, as required:

Tip: For more information on these client settings, see <u>About Hummingbird Metering Client Settings</u>.

meteringcfg.com ServerURL=MeteringServerURL
RetryCount=NumberofRetries
RetryInterval=LengthofInterval

where:

■ *MeteringServerURL* is the location of the metering server.

Note: Specify this information only if you want to redirect client requests to a metering server other than the current one (http://machine2/Metering/HumMetering.hmcm, where machine2 is the name of the new metering server). You must specify a valid metering URL, as communication between the metering server and client is established through this path. Otherwise, communication is lost and any modifications do no take effect. You may need to contact your administrator for the correct URL of the metering server.

- NumberofRetries is the number of times the metering client resends update information to the metering server if unsuccessful on the first try.
- LengthofInterval is the number of minutes the metering client waits before resending the update information.

For example:

Meteringcfg.com

ServerURL=http://TorTest/Metering/HumMetering.hr RetryCount=10 RetryInterval=15

Note: A graphical and command line version of Media Location Manager is provided

with installation.

Related Topics

Modifying Metering Client Settings

Modifying Metering Clients Using the Hummingbird Metering Client
Settings Dialog Box