

Retek[®] Integrator[™] 11.1

User Guide

ORACLE[®]

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Contact Method	Contact Information
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E-mail	support@retex.com
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Internet (ROCS)	rocs.retek.com Retek's secure client Web site to update and view issues
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Phone	+1 612 587 5800
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Toll free alternatives are also available in various regions of the world:

Australia	+1 800 555 923 (AU-Telstra) or +1 800 000 562 (AU-Optus)
France	0800 90 91 66
Hong Kong	800 96 4262
Korea	00 308 13 1342
United Kingdom	0800 917 2863
United States	+1 800 61 RETEK or 800 617 3835

Mail	Retek Customer Support Retek on the Mall 950 Nicollet Mall Minneapolis, MN 55403
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When contacting Customer Support, please provide:

- Product version and program/module name.
- Functional and technical description of the problem (include business impact).
- Detailed step-by-step instructions to recreate.
- Exact error message received.
- Screen shots of each step you take.

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Chapter 1 – Introduction

Retek® Integrator™ provides the ability to share data between Retek's collaborative applications and other internal and external systems used by retailers and their trading partners. Integrator utilizes eXtensible Markup Language (XML) files and business-to-business (B2B) server technology to share data and documents.

Data and documents can be imported into Integrator, stored in a repository for integration directly into a specific application. Alternatively, they may follow the reverse process where information can be exported from the Retek applications via Retek Integrator for availability to other systems. Users may also use File Transfer Protocol (FTP) as a communication channel for sharing files between their systems and Retek Integrator.

Retek Integrator can work with the following applications provided by Retek:

- Retek WebTrack™
- Retek Design™

Retek Integrator supports multiple integration processes. The table below lists the generally available processes supported by integration and the Retek applications that support the information. Each process is configured independently for each retailer or trading partner providing flexibility to choose the appropriate mix of integration for the retailer's business.

Retek Integrator File Types

Retek Application	File Type	Supported Process
WebTrack	Purchase Order Import	Purchase order detail creation, update or deletion.
WebTrack	Item Import	Item creation, update or deletion.
WebTrack	Color Palette Import	Color palette creation, update or deletion.
WebTrack	Organization Import	Division creation, update or deletion.
WebTrack	Project Import	Project creation, update or deletion.
WebTrack	Event Import	Track event updates by external systems.
WebTrack	Event Export	Track event updates to external systems.
WebTrack	Track Details Export	Track detail information available to external systems.
Design	Technical Specification Import	Attach Product images and technical specification documents within Retek Design product file.

Retek Application	File Type	Supported Process
Design	Technical Specification Export	Distribute Retek Design product file, product images and technical specification documents.
Design	Product Files - Season Details Export	Product file information extracted for a season or set of seasons.
Design	Product Files - Active Styles Export	Active product files extracted for a season or set of seasons.

File Processing

While there are a variety of functional processes supported by Retek Integrator, there are two main mechanisms supported by Retek Integrator. The import and export mechanisms process a variety of .xml formats, but the steps involved in each mechanism are consistently applied regardless of the functional process or application supported.

Import Process

Once Retek Integrator receives the file, the file will be validated and stored as a data set before it is processed. The .xml file is then translated for internal processing between Retek Integrator and the appropriate application. As part of this process, the .xml file is parsed and individual records of data will be shared with the appropriate application to validate and perform defined updates. The appropriate application will process the data and return the appropriate status including success, failure, or processed with errors. Once all processing is complete, Retek Integrator will send the appropriate e-mail notifications and will store the results within Retek Integrator for viewing through the GUI.

Export Process

A scheduled batch process will trigger the export process to begin processing. Based on a set of rules, application-specific processes will determine the data to be included within the specific export process. This information is selected and Retek Integrator is called for processing. Retek Integrator will generate the supporting .xml files, store the entire data set contents including the .xml file, and generate the appropriate success or failure responses. If defined, Retek Integrator will distribute the data sets per the distribution parameters and channels defined by the process. Separate FTP processes are frequently scheduled to transfer the data sets generated by Retek Integrator to another directly. Once all processing is complete, results will be available within Retek Integrator for viewing through the GUI.

Using Retek Integrator, files can be import and export either manually or automatically. This user guide contains the information necessary to process files manually. The automatic processing of files must be set up and scheduled with other batch processing. Results of manual and automatic process can be reviewed in Retek Integrator.

XML

Retek Integrator utilizes eXtensible Markup Language (XML) files and business-to-business (B2B) server technology to integrate data between systems. Since Integrator is capable of accepting and producing files for many processes and from different delivery protocols, standard file formats, definition, and validation are required. For each import and export process, there are XML standards that need to be followed for successful integration.



Note: For more information and examples about XML standards used with Retek Integrator, see the application Operations Guide or contact [Customer Support](#).

FTP

Using File Transfer Protocol (FTP), Retek Integrator imports and exports files as directed by specific protocol messages in each file. For example, a file transfer might be programmed to run at a specific time, or as a batch of files that runs when all files are updated.

In the File Transfer Protocol method of transferring data, Integrator imports and exports via “trigger” files. The trigger files must be present and sequenced correctly before FTP file transfer is successful. These trigger files are validated both on the customer (FTP server) and application side before FTP processing will continue.

To ensure file integrity, Integrator governs the trigger validation to prevent more than one job running at a time.

Chapter 2 – How to use Integrator

This chapter discusses how to import and export files manually or automatically. The automatic processing of files must be set up application and scheduled with other batch processes, and results for all processing can be reviewed in Retek Integrator.

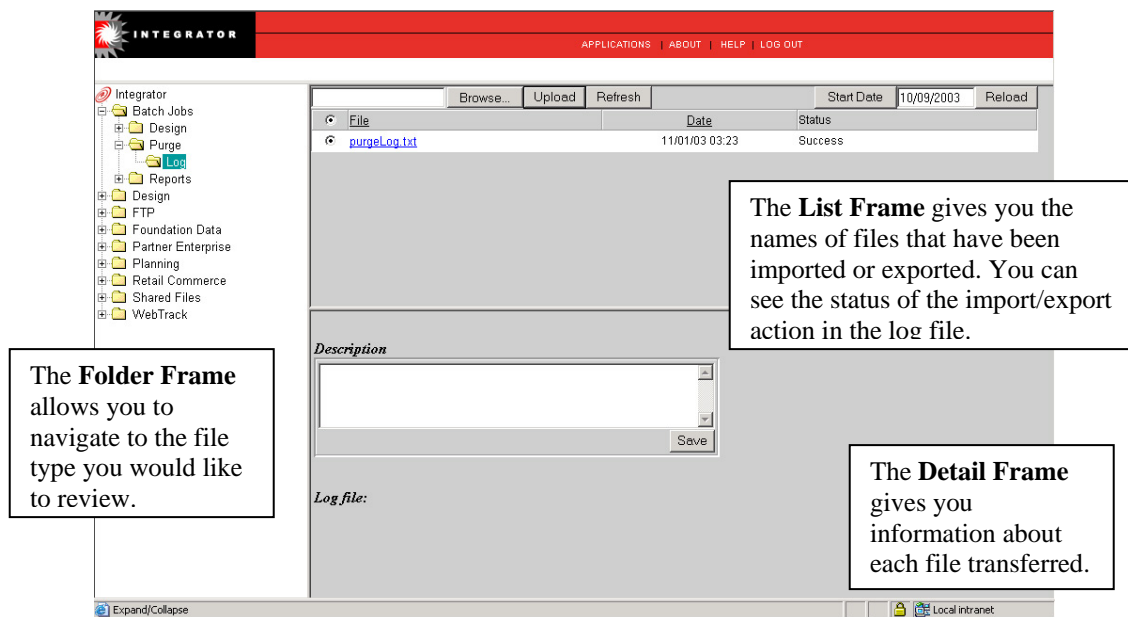
Because Integrator is capable of accepting and producing files in many formats and from different delivery protocols, processing procedures may vary from enterprise to enterprise. For more information and examples about XML standards used with Retek Integrator, see the application Operations Guide or contact [Customer Support](#).

Procedures

- [View application data](#)
- [Import a file](#)
- [Download a file](#)

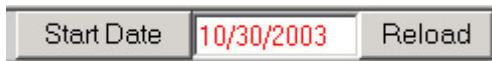
View application data

As you view the Retek Integrator console for each enterprise, the folder structure you see may vary depending on the integrator processes or file types configured. However, the following three frames are consistently displayed on the Retek Integrator console: the Folder frame (vertical), the List frame (top horizontal), and the Detail frame (bottom horizontal).



See the [Frame descriptions](#) table at the end of this chapter for more information on the different frames.

- 1 From the Folder Frame of the Integrator console, select the folder that represents your desired application.
- 2 Continue opening folders in the application file path until you see three buttons displayed in the List frame: **Browse**, **Upload**, and **Refresh**.
- 3 To narrow or widen your search for files, change the Start Date, which is displayed in the upper right portion of List Frame:



- a Click **Start Date**. A Calendar dialog box is displayed.



- b Navigate to the date from which you want to display files in the List Frame, then click **OK** to select the date or **Cancel** to return without selecting a new date.
 - c Click **Reload** to apply the new Start Date.
- 4 If file names are displayed in the List frame, select a file's radio button. Data specific to the application and file type is displayed in the Detail frame. This data differs depending on the business process or file type supported from. For import processes, the following may appear:
 - Description
 - Records Imported
 - Records Loaded
 - Errors.xml (link, visible only for files that had errors in their imports.)
 - Error Message

The screenshot shows a window titled "Description" with a text area and a "Save" button. Below this are sections for "Records Imported" and "Records Loaded", each with an empty text box. At the bottom is an "Error Message" section containing the following text:

```
LoadXMLFile Service Exception: Error Invoking service
LoadXMLFile: Element <I> is missing end tag
```



Note: If a file does not display, there is an error in the file text. The suggestion for a file fix is displayed. Repair the file and re-import.

Refer to the specific application chapter for further information on the contents and procedures for this frame.

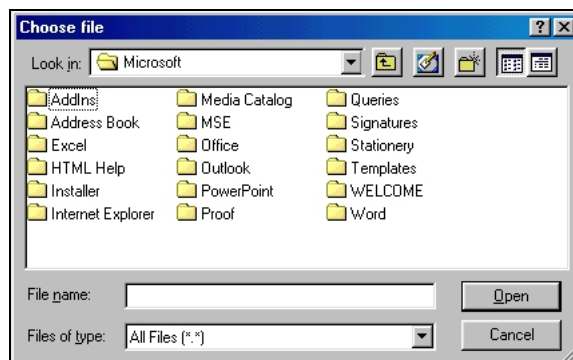
- 5 In the List frame, click on a file hyperlink. The contents of the file are displayed in the Detail frame.

Import a file



Note: It may be necessary to format or validate a file before importing it. See the specific chapter for further information on formatting or validating files.

- 1 In the Folder frame of the Integrator [console](#), select the folder that represents your desired application.
- 2 Continue opening folders in the application file path until you see three buttons displayed in the List frame: **Browse**, **Upload**, and **Refresh**.
- 3 Click **Browse**. The Choose File dialog box is displayed, with files from your computer or network.



- In the Choose File dialog box, navigate to the file to be imported and select the file.



Note: If the file you are importing is larger than the configured limit, it will not be accepted by Retek Integrator. You will receive an error message indicating that the file size exceeds the limit.

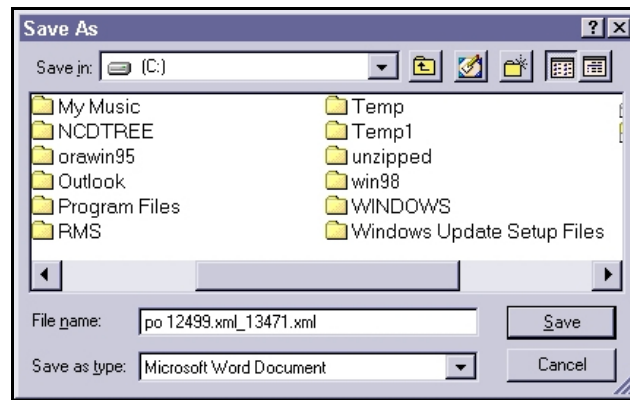
- Click **Open**. The file name is displayed in the field next to the **Browse** button.
- Click **Upload**. A hyperlink for the file is displayed in the List frame, along with the status message of the file processing.

File			Date	Status
po_2619554.xml			09/15/00 09:08 PM	Success
po_20015987.xml			09/15/00 09:01 PM	Processed with Errors
po_43592.xml			09/15/00 08:44 PM	Processed with Errors
po_39313.xml			09/15/00 08:36 PM	Processed with Errors
po_56532.xml			09/15/00 08:32 PM	Processed with Errors
po_12499.xml			09/14/00 10:50 PM	Processed with Errors
po_56674.xml			09/14/00 10:47 PM	Processed with Errors
po_1897.xml			09/14/00 10:27 PM	Processing File ...

- Click **Refresh**. The status message may change to reflect the final results of the file processing. See the Status field under [Field Descriptions](#) for status message explanations.

Download a file

- From the Folder frame of the Integrator console, select the folder that represents your desired application.
- Continue opening folders in the application file path until you see three buttons displayed in the List frame: **Browse**, **Upload**, and **Refresh**.
- In the List frame, right-click on a file hyperlink. The file Options menu is displayed.
- Select **Save Target As** to save this file to your local file system. The Save As dialog box is displayed.



- Browse to the location in which you want to save the file.
- Delete the underscore, fileID, and document extension that Integrator has appended to the file name:

File name:

- Click **Save**. The file is saved to the specified location.

Frame descriptions

Frame Name	Frame Description
Folder frame	<p>The Folder frame is your entry point to Retek Integrator. The hierarchy of folders and the number of folders found in the Folder frame are established based on the integration processes configured for your enterprise. There are two types of folders in this frame, path folders and file folders.</p> <p>A path folder is identified by the name of the application, processing type, or file type it represents. For example, if you see a path folder for Retek WebTrack, then your company has a subscription and integration process defined for the Retek WebTrack application.</p> <p>File folders are displayed at the base level of a path folder. File folders hold application-specific data, processed files, and Retek Integrator status and processing details. The file folder hierarchy, data structure, and transmission mode for files within the folder are defined for each enterprise based on their integration requirements. .</p>
List frame	<p>The List frame allows you to select and import files. You can monitor the status of the import from this frame. The List frame displays the files of a specific application or file type when you click on the appropriate path. If files for the selected file type have been processed by Retek Integrator, a list of file names is displayed in the List frame.</p>
Detail frame	<p>Contents of the Detail frame differ based on the business process or file type selected. File specific information is displayed in this frame, such as:</p> <ul style="list-style-type: none"> • Error data • .xml files • .zip files • .jpg or .doc files <p>Refer to your specific application documentation for further information or procedures.</p>

Field descriptions

Field Name	Field Description
File	Displays the names of the files.
Date	Displays the time and date when the file was processed by Retek Integrator MM/DD/YYYY HH:MM:SS
Status	<p>Displays one of four messages. The message describes the result of the file processing.</p> <p><i>Processing File ...</i> The integration process has begun, but processing is not complete. When this message is displayed, click Refresh to update the status. The significance of this status depends on the business process or file type selected. Refer to application specific procedures for further information.</p> <p><i>Success.</i> The operation was successfully completed and all records were processed.</p> <p><i>Processed with Errors.</i> The file processing partially succeeded. For import processes, a certain number of files of the total were processed successfully. To successfully process any errors, the Errors.xml file can be saved to manually fix any errors. Once this file is updated, the import process can be tried again.</p> <p><i>Error: Processing Failed.</i> A major problem occurred while processing the file. This could be the result of invalid XML formatting, missing required data, or some environment resource is not available. More information is available in the Detail frame's error message field. Check file formatting and/or contact your site administrator.</p>
Detail	Displays detailed file information. This content differs for each business process or file type configured.
Records Imported	Displays the number of records imported to the WebTrack database tables from the Integrator staging tables during the file import process. This number should not be zero and should be equal to the total number of records loaded. If this is not true then an error occurred during the process.
Records Loaded	Displays the number of records loaded directly from the XML file to the Integrator staging tables during the file import process. This number should not be zero and should be equal to the total number of records imported. If this is not true then an error occurred during the process.

Field Name	Field Description
Errors.xml	Contains a link to an Errors.xml file containing records that could not be imported. This is seen only if the file status in the List frame is “Imported with errors”. When the link is clicked on, the current Detail frame is replaced with the contents of the error file. Each record or sub-record that could not be imported will contain a non-empty <error_text> ...</error_text> element that describes the error that was encountered.
Error Message	Displays any error message or messages about the file import process.

Button descriptions

Button Name	Button Description
File	Displays details specific to that file in the Files frame.
Browse	Selects a file to import.
Upload	Starts processing the file.
Refresh	Updates the displayed file status information.
Start Date	The field next to this button indicates that the window is displaying files processed since the date. Select this button to change the date.
Reload	Applies the Start Date selection to the displayed files.

Chapter 3 – Using FTP

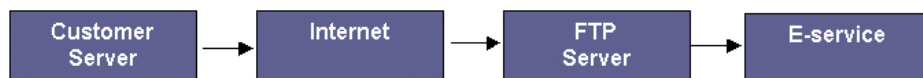
Using File Transfer Protocol (FTP), Retek Integrator imports and exports files as directed by specific protocol messages in each file. For example, a file transfer might be programmed to run at a specific time, or as a batch of files that runs when all files are updated.

The protocol includes trigger files that are validated both at the FTP server and at the application side. The trigger files must be present and sequenced correctly before FTP file transfer is successful.

There are two trigger validations that occur:

- Imports - customer trigger must exist and application trigger must NOT exist.
- Export - application trigger must exist and the customer trigger must NOT exist.

When a file is imported, Integrator validates that the FTP trigger exists and the application trigger does not exist. These conditions must be present for successful file import.



Customer trigger exists for FTP import process

When a file is exported, Integrator validates that the application trigger exists and the FTP trigger does *not* exist. These conditions must be present for successful file export.



Application trigger exists for FTP export process

To ensure file integrity, Integrator governs the trigger validation to prevent more than one job running at a time.

E-mail alerts and log information

When an FTP file transfer has finished, one of three e-mail messages can be sent to the user who started the file transfer or the recipient. Your administrator has set these e-mail messages to be turned on or off for any file transfer. The messages are:

- Failure: There was an error in the processing action.
- Incomplete: The file did not pass trigger validation.
- Successful: The file transfer is complete and without error.

File transfer status is also displayed on the Retek Integrator frame. The status messages are described in the [View FTP Log Files](#) procedure.

Procedures

- [View an FTP log file](#)
- [Print an FTP log file](#)
- [Save an FTP log file](#)
- [Download an FTP log file](#)

View an FTP Log File

An administrator can view FTP file transfer status using the Integrator [console](#). The Integrator console is divided into three frames.

- The Folder frame allows you to navigate to the type of FTP log file you want to see.
- The List frame displays the log files that have been created as a result of an FTP process. You can see the status of the FTP process in the List Frame.
- When you select a specific log file in the List Frame, the Detail frame gives you file transfer information for each file transferred. Included within the Detail frame are counts of files that were transferred as part of the FTP process.

Refer to the [Frames description](#) at the end of Chapter 2 for additional information.

- 1 From the Folder frame, select the FTP folder. Up to two folders will appear within the FTP folder frame. Specifically, Import and Export folders are displayed, assuming the enterprise is configured to do both import and export FTP processes. Within the Import and Export folders, the Log folder will appear.
- 2 Select the FTP Export or FTP Import log folder. Log files representing import or export FTP processes are displayed in the List frame.
- 3 In the List frame, click on a file hyperlink. The file transfer details are displayed in the Detail frame. If you select the radio button next to the log file, no data will be displayed within the Detail frame.
- 4 View the Detail frame contents. This data is specific to the process being supported and the files processed. This information will differ for each file transferred. Review the information. You can print or download the data if needed.
- 5 Contact the FTP administrator or Operations personnel to discuss any file processing failures. Your enterprise will have a process to fix errors and resend unsuccessful transfers.

Print an FTP log file

- 1 Select a file in the List frame. FTP file transfer information is displayed in the Detail frame.
- 2 Right-click in the Detail frame.
- 3 Select **Print** on the pop-up menu. The Print window is displayed.
- 4 Make the appropriate selects and click **Print** to print the file.

Save an FTP log file

- 1 Select a file in the List frame. FTP file transfer information is displayed in the Detail frame.
- 2 Right-click in the Detail frame.
- 3 Click **Select-all** in the pop-up menu. All file transfer data is highlighted.
- 4 Right-click on the highlighted data.
- 5 Click **Copy** in the popup menu.
- 6 Paste the data into an open Notepad or Word file.
- 7 Name the file and save it.

Download an FTP log file

- 1 Select a file in the List frame. FTP file transfer information is displayed in the Detail frame.
- 2 Right-click on the file name in the List frame.
- 3 As the download process begins, the **Save As** pop-up window appears. Browse and select the directory where you would like the log file saved.
- 4 Click **Save** in the popup menu.

Field descriptions

Field Name	Field Description
File	Displays the names of the files.
Date	Displays the time and date when the file was processed MM/DD/YYYY HH:MM:SS
Status	<p>Displays one of three status messages. The message describes the result of the file processing.</p> <p><i>Processing File ...</i> File transfer has begun but is not complete. When this message is displayed, click Refresh to update the status as needed.</p> <p><i>Success.</i> The operation was successfully completed and all records were transferred.</p> <p><i>Error: Processing Failed.</i> This message can mean one of two things:</p> <ul style="list-style-type: none"> • Trigger validation failed. • Failure: Something occurred to block the file transfer. Try the transfer again or contact your site administrator.

Button descriptions

Button Name	Button Description
File	Displays details specific to that file in the Files frame.
Browse	Selects a file to transfer. Not used in FTP file transfer.
Upload	Not used in FTP file transfer.
Refresh	Updates the displayed file status information.

Chapter 4 – Integrator with WebTrack

This chapter contains details about the processes supported for importing and exporting WebTrack data via Retek Integrator. While the general accessing of information is consistent, this chapter focuses on addressing process details and folder structures that would exist if specific Retek WebTrack processes were configured.

Using Retek Integrator, files can be import and export either manually or automatically. This user guide contains the information necessary to process files manually. The automatic processing of files must be set up and scheduled with other batch processing. Results of manual and automatic process can be reviewed in Retek Integrator.

Retek WebTrack Supported File Types

The following are data file types used within Retek WebTrack that are supported by Retek Integrator:

File Type	Description
Purchase Order Import	This process allows purchase order details to be created, updated, or deleted within Retek WebTrack. Order details including order number, item number, color, quantity, vendor, and hierarchy information is included within the purchase order xml file. If specific foundation data included within the purchase order details has yet to be set up, this process will also support the creation of this foundation data.
Item Import	This process allows items to be created, updated, or deleted within Retek WebTrack. Item details including item description, style number, vendor, colors, value, hierarchy information, and comments are included within the item xml file. Once items have been created within Retek WebTrack, they can be manually assigned to purchase orders.
Color Palette Import	This process allows color palettes to be created, updated, or deleted within Retek WebTrack. Once colors have been created within Retek WebTrack, they can be assigned to items and specific purchase orders within Retek WebTrack.
Organization Import	This process allows divisions to be created, updated, or deleted within Retek WebTrack.
Project Import	This process allows projects to be created, updated, or deleted within Retek WebTrack. Project details including project name and number, department, value, completion date, and comments are included within the project xml file. Once projects have been created, they can be used to create tracks.
Event Import	This process allows track details to be automatically updated by an external system. Specific event updates can be included within the event import .xml file. Specifically, dates can be completed or revised and diary entries can be made by a defined user for a specific event within a track. Additional details are included within the .xml file for validation and error notification and logging.

File Type	Description
Event Export	To support integration between WebTrack and other systems, as event updates occur to track due dates, these changes are captured within an xml file and exported. This helps to verify key completion dates are consistent across the organization.
Track Details Export	This export process will generate an .xml file containing details about each track that, based on the parameter configuration, have been selected to appear within this extract. The administrator has the ability to select the season or set of seasons that should be used as a parameter for this extract and a timeframe for determining which product files should be selected. Specifically, the enterprise administrator can configure the process to pick up all track details that have changed since a specific date or since the last time the extract process has been run. Once the .xml file has been generated within Retek Integrator, a separate FTP process can be used to transfer data to specific directories on an FTP server.

Procedures

While there are a variety of functional processes supported by Retek Integrator, there are two main mechanisms supported by Retek Integrator. The import and export mechanisms process a variety of .xml formats, but the steps involved in each mechanism are consistently applied regardless of the functional process or application supported. In addition, the ability to manually import data, view results via the Retek Integrator console, and download results is consistent for all processes.

Refer to Chapter 2 for general procedures used to access data:

- [View application data](#)
- [Import a file](#)
- [Download a file](#)

Folder descriptions

The table below lists the possible folder types available in Integrator for the WebTrack application. However, not all folders may be available for your usage, as this is dependent on your specific Integrator configuration.

File Type	Folder Structure	Folder Description
Palette Colors	FTP – Import - Log	Contains the log file of general processing steps and statuses associated with the file transfer process. This content is identical to that in the email notification.
Palette Colors	WebTrack – Palette Colors - AutoImport	Contains the data file processed during the automatic (batch) import process. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.
Palette Colors	WebTrack – Palette Colors - Import	Contains the data file processed during the manual import process. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.
Items	FTP – Import - Log	Contains the log file of general processing steps and statuses associated with the file transfer process. This content is identical to that in the email notification.
Items	WebTrack – Items - AutoImport	Contains the data file processed during the automatic (batch) import process. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.
Items	WebTrack – Items - Import	Contains the data file processed during the manual import process. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.
Organization	FTP – Import - Log	Contains the log file of general processing steps and statuses associated with the file transfer process. This content is identical to that in the email notification.
Organization	WebTrack – Organization - AutoImport	Contains the data file processed during the automatic (batch) import process. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.

File Type	Folder Structure	Folder Description
Organization	WebTrack – Organization - Import	Contains the data file processed during the manual import process. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.
Projects	FTP – Import - Log	Contains the log file of general processing steps and statuses associated with the file transfer process. This content is identical to that in the email notification.
Projects	WebTrack – Projects - AutoImport	Contains the data file processed during the automatic (batch) import process. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.
Projects	WebTrack – Projects - Import	Contains the data file processed during the manual import process. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.
Orders	FTP – Import - Log	Contains the log file of general processing steps and statuses associated with the file transfer process. This content is identical to that in the email notification.
Orders	WebTrack – Orders - AutoImport	Contains the data file processed during the automatic (batch) import process. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.
Orders	WebTrack – Orders - Import	Contains the data file processed during the manual import process. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.
Events	FTP – Import - Log	Contains the log file of general processing steps and statuses associated with the file transfer process. This content is identical to that in the email notification.
Events	WebTrack – Events - AutoImport	Contains the data file processed during the automatic (batch) import process. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.
Events	WebTrack – Events - Import	Contains the data file processed during the manual import process. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.

File Type	Folder Structure	Folder Description
Events	FTP – Export - Log	Contains the log file of general processing steps and statuses associated with the file transfer process. This content is identical to that in the email notification.
Events	WebTrack – Events – Due Dates – AutoExportLog	Contains general processing steps and statuses of the process including file names that were exported.
Track Details	FTP – Export - Log	Contains the log file of general processing steps and statuses associated with the file transfer process.
Track Details	Batch Jobs – Reports – WebTrack – Track Details	Contains the data file processed during the export process.
Track Details	Batch Jobs – Reports – WebTrack – Distributed Track Details	Contains the data file processed during the export process. The output of this process can be configured to be distributed to multiple enterprises. This folder may exist in additional enterprises.
AutoImport	WebTrack <process> - AutoImport	Contains the data file processed during the automatic (batch) import process. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.
Import	WebTrack <process> - Import	Contains the data file processed during the manual import process. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.

Chapter 5 – Integrator with Design

This chapter contains details about the processes supported for importing and exporting Retek Design data via Retek Integrator. While the general accessing of information is consistent, this chapter focuses on addressing process details and folder structures that would exist if specific Retek Design processes were configured.

Using Retek Integrator, files can be import and export either manually or automatically. This user guide contains the information necessary to process files manually. The automatic processing of files must be set up and scheduled with other batch processing. Results of manual and automatic process can be reviewed in Retek Integrator.

Retek Design Supported File Types

The following are data file types used within Retek Design that are supported by Retek Integrator:

File Type	Description
Technical Specification Import	Product images, technical specification documents, and a supporting xml file are imported via a .zip file to Retek Integrator. Detailed contents of the xml file determine how product images and technical specification documents are attached to specific product files within Retek Design.
Technical Specification Export	This export process supports the easy distribution of the Retek Design product file contents in a document format and any attached technical specification documents via Retek Integrator. Documents and the supporting .xml file are exported from Design and placed in a .zip file within Retek Integrator. A separate FTP process can be used after the export process to transfer data to specific directories on an FTP server.
Product Files - Season Details Export	This export process will generate an .xml file containing details about each product file that, based on the parameter configuration, have been selected to appear within this extract. The administrator has the ability to select the season or set of seasons that should be used as a parameter for this extract and a timeframe for determining which product files should be selected. Specifically, the enterprise administrator can configure the process to pick up all product files that have changed since a specific date or since the last time the extract process has been run. Once the .xml file has been generated within Retek Integrator, a separate FTP process can be used to transfer data to specific directories on an FTP server.
Product Files - Active Styles Export	This export process will generate an .xml file containing details about all active product files that exist within Retek Design based on the parameter selection configuration. This extract uses the same season selection parameter as the season details extract described above and ensures that all external systems can be synchronized to only include active product files. Once the .xml file has been generated within Retek Integrator, a separate FTP process can be used to transfer data to specific directories on an FTP server.

Product file data import

Integrator manages the import and export of product file data and technical specifications for the Retek Design application.

Retek Design produces product files containing data used in the design of a new product. The Style file may contain attached technical specifications (in PDF format) or product images (in JPG format).

Retek Integrator can enable the import of technical specification data (in .ZIP file format) from an FTP directory to the Product File within Retek Design. The **TechSpecZip** file is a ZIP-format file that contains:

- The Tech Spec XML-file.
- PDF files containing product technical specifications.
- JPG files containing product images.

The **Tech Spec** file is an XML-format file that contains the specific product file that the Tech Spec Zip file supports. Product file data including department, season, product file name, product technical specification documents, and product images.

The PDF files are the actual product technical specifications that have been developed in another system and are stored in PDF format.

The JPG files are the product images that support the product file and are stored in JPG format.

File names are associated with the Design Style file ID, for example, [styleID].XML, [styleID].ZIP, [styleID]_TS.PDF, [styleID].JPG, etc.

Technical specifications from other product design software can be imported to Retek Design through Retek Integrator, provided the data is imported in the TechSpec Zip format. Integrator uses the XML file to populate the fields in the Product file, which is identified by the <StyleID> tag in the XML file. It also attaches PDF files as a document and JPG files as images within the Product file.

When Retek Integrator receives a Tech Spec XML-format file, it places the file in the Design/TechSpec/Import folder. Integrator places the ZIP files in the Design/TechSpecZip/Import folder, and also parses and distributes the ZIP file:

- XML files are placed in the Design/Tech Spec/Import folder
- PDF files are placed in the SharedFiles > TechSpecPDF folder
- JPG files are placed in the SharedFiles > StyleImages folder

For information about the XML schemas, contact [Customer Support](#).

Product file data export

There are three primary exports associated with Retek Design:

- **Technical Specification Export** – There are a set of conditions that trigger product files within Retek Design for export. All product files selected for export must be in a workflow status that allows data to be exported. In addition, based on certain conditions related to the product file changing and technical specification documents being created or modified on the product file, the product files will be flagged for export.

When product files are exported, a ZIP file is created and exported to the appropriate trading partners assigned to the product file. When the ZIP file is created, it is named based on the product file ID, trading partners assigned, and unique number of ZIP file created.

The export-generated ZIP file contains:

- XML file generated during the export process that defines the department, season, product file, and supporting files that are included within the ZIP file.
- PDF files including the product technical specification PDF that is attached within the product file.
- PDF file that is generated during the export process that represents the contents of the product file as displayed within Retek Design. The PDF output generated is based on a server side print format file configured by your site administrator and uploaded within Retek Design.

The ZIP file is exported and distributed to all trading partners assigned to the product file and configured within Retek Integrator. Sets of ZIP files for the same trading partner are distributed to the appropriate FTP directory configured for that partner.

Log files of this export and FTP process are available from either the retailer or trading partner enterprises. Specific ZIP file and PDF output generated during the export process is only available within the trading partner enterprise's access to Retek Integrator.

- **Season Details Export** – Based on a season or set of seasons that have been selected, this export extracts all product file data for records that have changed since the date defined in the Retek Integrator parameters or since the last time the export has been run. This export is in .xml file format.
- **Active Styles Export** - Based on a season or set of seasons that have been selected, this export extracts all active products that exist within the system. This export allows other external systems to maintain a consistent record of active products within the Retek Design system. This export is in .xml file format.

Procedures

While there are a variety of functional processes supported by Retek Integrator, there are two main mechanisms supported by Retek Integrator. The import and export mechanisms process a variety of .xml formats, but the steps involved in each mechanism are consistently applied regardless of the functional process or application supported. In addition, the ability to import data manually, view results via the Retek Integrator console, and download results is consistent for all processes.

Refer to Chapter 2 for general procedures used to access data:

- [View application data](#)
- [Import a file](#)
- [Download a file](#)

The procedures documented below include specific details regarding the Retek Design processes:

- [Import a Design TechSpecZip file](#)
- [View Design file contents](#)
- [View Design file description and status](#)
- [Check Design AutoImport or AutoExport file status](#)

Import a Design TechSpecZip file

This procedure explains how to import a technical specification to retail.com.

- 1 From the Folder frame on the Integrator console, select Design, then the TechSpecZip folder:



Note: A technical specification is contained in a ZIP file (containing an .xml file, and either PDF and/or image file). Import ZIP files to the Design/TechSpecZip folder.

- 2 Select the Import folder.
- 3 Click **Browse**. The Choose File dialog box is displayed with files from your computer or network.
- 4 In the Choose File dialog box, navigate to the ZIP file to be imported and select it.
- 5 Click **Open**. The file name is displayed in the field next to the Browse button.



Note: retail.com does not accept files larger than a configured limit. An error message indicating that the file size exceeds the limit is displayed if your file is too large.

- 6 Click **Upload**. A hyperlink for the file is now displayed in the List frame, along with the status message of the file processing.
- 7 Click **Refresh**. The status message may change to reflect the final results of the file processing. See the Status field description under *Field Descriptions* for more information.

View Design file contents

- 1 Navigate to the folder that contains the file you want:
 - For Tech Spec (XML) files, select Design > Tech Spec > Import
 - For TechSpecZip (ZIP) files, select Design > Tech Spec > Import
 - For Design files exported manually from Design, select Design > Products > Export
 - For Design files exported via Job Scheduler, select Batch Jobs > Reports > Design
 - For technical specifications (PDF) files, select SharedFiles > TechSpecPDF
 - For product images (JPG) files, select SharedFiles > StyleImages

The List frame is displayed with a list of the files.

- 2 To view the contents of an XML, PDF, or JPG, click on a file hyperlink in the List frame. The contents of the file are displayed in the Detail frame.

To view the contents of a ZIP or CSV, click on a file hyperlink in the List frame. The File Export dialog box is displayed.

- a Select **Open this file from its current location**.
- b Click **OK**.
- c View the file.

View Design file description and status

- 1 Navigate to the folder that contains the file you want:
 - For Tech Spec (XML) files, select Design > Tech Spec > Import
 - For TechSpecZip (ZIP) files, select Design > Tech Spec > Import
 - For Design files exported manually from Design, select Design > Products > Export
 - For Design files exported via Job Scheduler, select Batch Jobs > Reports > Design
 - For technical specifications (PDF) files, select SharedFiles > TechSpecPDF
 - For product images (JPG) files, select SharedFiles > StyleImages

The List frame is displayed with a list of the files.

- 2 Select a file's radio button. File and Status descriptions stored with the file are displayed in the Detail frame.



Note: The Errors.xml hyperlink may be displayed in this detail window. Select the hyperlink to display the data that needs repair in the detail window. For a description of error messages, refer to the Field descriptions.

Check Design AutoImport or AutoExport file status

- 1 From the Folder frame on the Integrator console, select Design, then the appropriate folder: Products, Tech Spec, TechSpecZip.
- 2 To check the status of AutoImported files, select the AutoImport folder. The List frame is displayed with a list of the files that have been automatically imported.
- 3 To check the status of AutoExported files, select the AutoExport folder. The List frame is displayed with a list of the files that have been automatically exported.
- 4 Review the status of the files.

Folder descriptions

The table below lists the possible folder types available in Integrator for the WebTrack application. However, not all folders may be available for your usage, as this is dependent on your specific Integrator configuration.

File Type	Folder Structure	Folder Description
Technical Specification Import	FTP – Import - Log	Contains the log file of general processing steps and statuses associated with the file transfer process. This content is identical to that in the email notification.
Technical Specification Import	Design – TechSpecZip - AutoImport	Contains the data file processed during the automatic (batch) import process. This includes the technical specification .zip file that may include an .xml file, .pdf document, and an image file.
Technical Specification Import	Design – TechSpecZip - Import	Contains the data file processed during the manual import process. This includes the technical specification .zip file that may include an .xml file, .pdf document, and an image file.
Technical Specification Import	Design – TechSpec - AutoImport	Contains the data file processed during the automatic (batch) import process. This includes the .xml file that was included within the technical specification .zip file. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.
Technical Specification Import	Design – TechSpec - Import	Contains the data file processed during the manual import process. This includes the .xml file that was included within the technical specification .zip file. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.
Technical Specification Import	Shared Files – <Style> Images	Contains the data file processed during the import process. This includes the image file that was included within the technical specification .zip file.


File Type	Folder Structure	Folder Description
Technical Specification Import	Shared Files – Tech Spec PDF	Contains the data file processed during the import process. This includes the .pdf document that was included within the technical specification .zip file.
Technical Specification Export	FTP – Export - Log	Contains the log file of general processing steps and statuses associated with the file transfer process.
Technical Specification Export	Batch Jobs – Design – AutoExportLog	Contains general processing steps for the retailer and statuses of the process including file names that were exported. This content is identical to that in the email notification created during the process.
Technical Specification Export	Design – TechSpec - AutoExportLog	Contains the .xml data file generated for each file produced during the export process. This includes the .xml file that was included within the technical specification .zip file. If the status is Processed with Errors, an Errors.xml file link will appear within the Details frame if the data file radio button is selected.
Technical Specification Export	Design – TechSpecZip – AutoExport	Contains general processing steps for the trading partner receiving the export and the ZIP files generated by the export. Because multiple trading partners may receive export output, a record is created for each .zip file distributed to the trading partner. Within the .zip file is the .xml file generated as part of the export, and the .pdf documents to support the export process.
Technical Specification Export	Design - TechSpecZip - AutoExportLog	Contains general processing steps for the trading partner receiving the export and the XML file name generated by the export. Because multiple trading partners may receive export output, a log is created for each file distributed to the trading partner.
Active Styles	FTP – Export - Log	Contains the log file of general processing steps and statuses associated with the file transfer process.
Active Styles	Batch Jobs – Reports – Design – Active Styles	Contains the .xml data file processed during the export process.
Active Styles	Batch Jobs – Reports – Design – Distributed Active Styles	Contains the data file processed during the export process. The output of this process can be configured to be distributed to multiple enterprises. This folder may exist in additional enterprises.
Season Details	FTP – Export - Log	Contains the log file of general processing steps and statuses associated with the file transfer process.

File Type	Folder Structure	Folder Description
Season Details	Batch Jobs – Reports – Design – Season Details	Contains the .xml data file processed during the export process.
Season Details	Batch Jobs – Reports – Design – Distributed	Contains the data file processed during the export process. The output of this process can be configured to be distributed to multiple enterprises. This folder may exist in additional enterprises.

Field descriptions

Field Name	Field Description
File	Displays the names of the files.
Date	Displays the time and date when the file was processed MM/DD/YYYY HH:MM:SS
Status	<p>Displays one of three messages. The message describes the result of the file processing.</p> <p><i>Success.</i> If configured for automatic file transmission, the file was successfully exported out of the retail.com environment. If Integrator was configured only to create the file, then this status means that the file is ready to be exported manually.</p> <p><i>Processing File ...</i> File processing is not complete. When this message is displayed, click Refresh to update the status.</p> <p><i>Error: Processing Failed.</i> A major problem occurred while exporting the data. This may be due to system connection or other problems. The data file can be exported manually.</p>
Detail	Displays detailed file information.
Description	Contains a description of the file.
Export File Status	<p><i>FILE SENT SUCCESSFULLY:</i> The file was exported from retail.com to its destination host. (In some cases, this may be a staging host where client specific software pulls the data into your local system.)</p> <p><i>FAILURE DURING SEND:</i> The file was created from the Design data, but could not be sent due to some transmission problem. Try the export again or manually export the file.</p> <p><i>FILE CREATED:</i> The file was created, but Integrator was not configured to transfer the file automatically out of the retail.com environment. Export the file manually.</p>
Error Message	If any error messages were associated with the file processing, informs you of the type of error.

Button descriptions

Button Name	Button Description
Browse	Selects a file to import.  Note: Integrator will not import to Design export folders.
Upload	In the Design folder, causes the following message to display: “You can not import files to the folder.”
Refresh	Updates the displayed file status information.