

**Oracle<sup>®</sup> Retail Integrator  
User Guide  
Release 12.0  
May 2006**

Copyright © 2006, Oracle. All rights reserved.

The Programs (which include both the software and documentation) contain proprietary information; they are provided under a license agreement containing restrictions on use and disclosure and are also protected by copyright, patent, and other intellectual and industrial property laws. Reverse engineering, disassembly, or decompilation of the Programs, except to the extent required to obtain interoperability with other independently created software or as specified by law, is prohibited.

The information contained in this document is subject to change without notice. If you find any problems in the documentation, please report them to us in writing. This document is not warranted to be error-free. Except as may be expressly permitted in your license agreement for these Programs, no part of these Programs may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose.

If the Programs are delivered to the United States Government or anyone licensing or using the Programs on behalf of the United States Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the Programs, including documentation and technical data, shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement, and, to the extent applicable, the additional rights set forth in FAR 52.227-19, Commercial Computer Software—Restricted Rights (June 1987). Oracle Corporation, 500 Oracle Parkway, Redwood City, CA 94065

The Programs are not intended for use in any nuclear, aviation, mass transit, medical, or other inherently dangerous applications. It shall be the licensee's responsibility to take all appropriate fail-safe, backup, redundancy and other measures to ensure the safe use of such applications if the Programs are used for such purposes, and we disclaim liability for any damages caused by such use of the Programs.

Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

The Programs may provide links to Web sites and access to content, products, and services from third parties. Oracle is not responsible for the availability of, or any content provided on, third-party Web sites. You bear all risks associated with the use of such content. If you choose to purchase any products or services from a third party, the relationship is directly between you and the third party. Oracle is not responsible for: (a) the quality of third-party products or services; or (b) fulfilling any of the terms of the agreement with the third party, including delivery of products or services and warranty obligations related to purchased products or services. Oracle is not responsible for any loss or damage of any sort that you may incur from dealing with any third party.

# Contents

|   |           |
|---|-----------|
| <b>Preface</b>                              | <b>v</b>  |
| Audience                                    | v         |
| Related Documents                           | v         |
| Customer Support                            | v         |
| <b>1 Introduction</b>                       | <b>1</b>  |
| Oracle Retail Integrator File Types         | 1         |
| File Processing                             | 2         |
| XML   | 3         |
| FTP   | 3         |
| <b>2 How to use Integrator</b>              | <b>5</b>  |
| Frame descriptions                          | 5         |
| Folder frame                                | 5         |
| List frame                                  | 5         |
| Detail frame                                | 5         |
| Field descriptions                          | 6         |
| Button descriptions                         | 7         |
| <b>3 Using FTP</b>                          | <b>9</b>  |
| Email alerts and log information            | 9         |
| Field descriptions                          | 10        |
| Button descriptions                         | 10        |
| <b>4 Integrator with WebTrack</b>           | <b>11</b> |
| Oracle Retail WebTrack Supported File Types | 11        |
| Purchase Order Import                       | 11        |
| Item Import                                 | 11        |
| Color Palette Import                        | 11        |
| Organization Import                         | 12        |
| Project Import                              | 12        |
| Event Import                                | 12        |
| Event Export                                | 12        |
| Track Details Export                        | 12        |
| Folder descriptions                         | 13        |
| <b>5 Integrator with Design</b>             | <b>17</b> |
| Oracle Retail Design Supported File Types   | 17        |
| Parameter Import                            | 17        |
| Technical Specification Import              | 17        |
| Technical Specification Export              | 18        |
| Product Files -Season Details Export        | 18        |
| Product Files - Active Styles Export        | 18        |
| Product file data import                    | 18        |
| Product file data export                    | 20        |
| Folder descriptions                         | 21        |
| Field descriptions                          | 23        |
| Button descriptions                         | 24        |



Oracle Retail Integrator User Guide is a complete guide to the user interface of Oracle Retail Integrator.

## Audience

This document is intended for the users of Oracle Retail Integrator.

## Related Documents

You can find more information about this product in these resources:

- Oracle Retail Design User Guide
- Oracle Retail Integrator Online Help
- Oracle Retail Design Online Help
- Oracle Retail Design Operations Guide
- Oracle Retail Design Configuration Guide
- Oracle Retail WebTrack Online Help
- Oracle Retail WebTrack User Guide
- Oracle Retail WebTrack Configuration Guide
- Oracle Retail WebTrack Operations Guide
- Oracle Retail Retail Server Installation Guide
- Oracle Retail Retail Server Data Model

## Customer Support

- <https://metalink.oracle.com>

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.



## Introduction

Oracle Retail Integrator provides the ability to share data between Oracle Retail'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 Oracle Retail applications via Oracle Retail 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 Oracle Retail Integrator.

Oracle Retail Integrator can work with the following applications provided by Oracle Retail:

- Oracle Retail WebTrack
- Oracle Retail Design

Oracle Retail Integrator supports multiple integration processes. The table below lists the generally available processes supported by integration and the Oracle Retail applications that supports 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.

### Oracle Retail Integrator File Types

| Oracle Retail 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 Oracle Retail Design product file. |
| Design                    | Parameter Import               | Parameter and supporting value creation, update, or deletion.   |

| Oracle Retail Application | File Type                             | Supported Process   |
|---------------------------|---------------------------------------|---|
| Design                    | Technical Specification Export        | Distribute Oracle Retail 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 Oracle Retail Integrator, there are two main mechanisms supported by Oracle Retail 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 Oracle Retail 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 Oracle Retail 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, Oracle Retail Integrator will send the appropriate email notifications and will store the results within Oracle Retail 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 Oracle Retail Integrator is called for processing. Oracle Retail 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, Oracle Retail 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 Oracle Retail Integrator to another directly. Once all processing is complete, results will be available within Oracle Retail Integrator for viewing through the GUI.

Using Oracle Retail 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 Oracle Retail Integrator.



## XML

Oracle Retail 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 Oracle Retail Integrator, see the application Operations Guide or contact Customer Support.

---

## FTP

Using File Transfer Protocol (FTP), Oracle Retail 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.



---

## 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 Oracle Retail 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 Oracle Retail Integrator, see the application Operations Guide or contact Customer Support.

- View application data
- Import a file
- Download a file

## Frame descriptions

### Folder frame

The Folder frame is your entry point to Oracle Retail 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.

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 Oracle Retail WebTrack, then your company has a subscription and integration process defined for the Oracle Retail WebTrack application.

File folders are displayed at the base level of a path folder. File folders hold application-specific data, processed files, and Oracle Retail 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. .

### List frame

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 Oracle Retail Integrator, a list of file names is displayed in the List frame.

### Detail frame

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:

- Error data
- .xml files
- .zip files
- .jpg or .doc files

Refer to your specific application documentation for further information or procedures.

## Field descriptions

### File

Displays the names of the files.

### Date

Displays the time and date when the file was processed by Oracle Retail Integrator  
MM/DD/YYYY HH:MM:SS

### Status

Displays one of four messages. The message describes the result of the file processing.

*Processing File ...* 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.

*Success.* The operation was successfully completed and all records were processed.

*Processed with Errors.* 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.

*Error: Processing Failed.* 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.

### 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.

### 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

**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.



## Using FTP

Using File Transfer Protocol (FTP), Oracle Retail 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.

- View an FTP log file
- Print an FTP log file
- Save an FTP log file
- Download an FTP log file

## Email alerts and log information

When an FTP file transfer has finished, one of three email messages can be sent to the user who started the file transfer or the recipient. Your administrator has set these email 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 Oracle Retail Integrator console status messages are described in the View FTP Log Files procedure.

## Field descriptions

### 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

Displays one of three status messages. The message describes the result of the file processing.

- *Processing File ...* File transfer has begun but is not complete. When this message is displayed, click **Refresh** to update the status as needed.
- *Success.* The operation was successfully completed and all records were transferred.
- *Error: Processing Failed.* This message can mean one of two things:
  - Trigger validation failed.
  - Failure: Something occurred to block the file transfer. Try the transfer again or contact your site administrator.

## Button descriptions

### 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.



---

## Integrator with WebTrack

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

Using Oracle Retail 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 Oracle Retail Integrator.

While there are a variety of functional processes supported by Oracle Retail Integrator, there are two main mechanisms supported by Oracle Retail 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 Oracle Retail 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

## Oracle Retail WebTrack Supported File Types

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

### Purchase Order Import

This process allows purchase order details to be created, updated, or deleted within Oracle Retail 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 Oracle Retail 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 Oracle Retail WebTrack, they can be manually assigned to purchase orders.

### Color Palette Import

This process allows color palettes to be created, updated, or deleted within Oracle Retail WebTrack. Once colors have been created within Oracle Retail WebTrack, they can be assigned to items and specific purchase orders within Oracle Retail WebTrack.

## Organization Import

This process allows divisions to be created, updated, or deleted within Oracle Retail WebTrack.

## Project Import

This process allows projects to be created, updated, or deleted within Oracle Retail 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.

## 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 Oracle Retail Integrator, a separate FTP process can be used to transfer data to specific directories on an FTP server.

## 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. |

| File Type     | Folder Structure  | Folder Description  |
|---------------|---|---|
| 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.            |
| 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.            |



---

## Integrator with Design

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

Using Oracle Retail 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 Oracle Retail Integrator.

While there are a variety of functional processes supported by Oracle Retail Integrator, there are two main mechanisms supported by Oracle Retail 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 Oracle Retail Integrator console, and download results is consistent for all processes.

Refer to these general procedures used to access data:

- View application data
- Import a file
- Download a file

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

- Import a Design TechSpecZip file
- View Design file contents
- View Design file description and status
- Check Design AutoImport or AutoExport file status

## Oracle Retail Design Supported File Types

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

### Parameter Import

The import process supports the ability to automatically set up parameters and supporting values in Oracle Retail Design. Parameters and values are defined within an .xml file and imported via Oracle Retail Integrator. Parameters and values can be created, updated, or deleted via the parameter import process.

### Technical Specification Import

Product images, technical specification documents, and a supporting xml file are imported via a .zip file to Oracle Retail Integrator. Detailed contents of the xml file determine how product images and technical specification documents are attached to specific product files within Oracle Retail Design.

## Technical Specification Export

This export process supports the easy distribution of the Oracle Retail Design product file contents in a document format and any attached technical specification documents via Oracle Retail Integrator. Documents and the supporting .xml file are exported from Design and placed in a .zip file within Oracle Retail 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 Oracle Retail 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 Oracle Retail 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 Oracle Retail 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 Oracle Retail Design application.

There are two primary imports associated with Oracle Retail Design:

- **Parameter Import** - The import process supports the ability to automatically set up parameters and supporting values in Oracle Retail Design. Parameters and values are defined within an .xml file and imported via Oracle Retail Integrator. Parameters and values can be created, updated, or deleted via the parameter import process.
- **Technical Specification Import** - Product images, technical specification documents, and a supporting xml file are imported via a .zip file to Oracle Retail Integrator. Detailed contents of the xml file determine how product images and technical specification documents are attached to specific product files within Oracle Retail Design.

Oracle Retail 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).



Oracle Retail Integrator can enable the import of technical specification data (in .ZIP file format) from an FTP directory to the Product File within Oracle Retail 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 Oracle Retail Design through Oracle Retail 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 Oracle Retail 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 Oracle Retail Design:

- **Technical Specification Export** – There are a set of conditions that trigger product files within Oracle Retail 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 Oracle Retail Design. The PDF output generated is based on a server side print format file configured by your site administrator and uploaded within Oracle Retail Design.

The ZIP file is exported and distributed to all trading partners assigned to the product file and configured within Oracle Retail 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 Oracle Retail 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 Oracle Retail Integrator parameters or since the last time the export has been run. This export is in .xml file format. Within the season details parameters, the Oracle Retail Integrator administrator has the ability to define whether or not configurable fields including miscellaneous or mapped fields that do not have any values will appear as an empty set of tags within the season details output. The default selection is to not include the tags for configurable fields that are empty.
- **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 Oracle Retail Design system. This export is in .xml file format.

## 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  |
|--------------------------------|-----------------------------------|---|
| Parameter 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.  |
| Parameter Import               | Design – Parameter - AutoImport   | Contains the data file processed during the automatic (batch) import process. This includes the .xml file that was imported.  |
| Parameter Import               | Design – Parameter - Import       | Contains the data file processed during the manual import process. This includes the .xml file that was imported.   |
| 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.            |

| File Type                      | Folder Structure                     | Folder Description   |
|--------------------------------|--------------------------------------|--|
| 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.   |
| 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.  |

| File Type      | Folder Structure   | Folder Description   |
|----------------|--|--|
| Active Styles  | Batch Jobs –<br>Reports – Design –<br>Active Styles                | Contains the .xml data file processed during the export process.   |
| Active Styles  | Batch Jobs –<br>Reports – Design –<br>Distributed Active<br>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.  |
| Season Details | Batch Jobs –<br>Reports – Design –<br>Season Details               | Contains the .xml data file processed during the export process.   |
| Season Details | Batch Jobs –<br>Reports – Design –<br>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

### 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

Displays one of three messages. The message describes the result of the file processing.

- *Success.* 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.
- *Processing File ...* File processing is not complete. When this message is displayed, click **Refresh** to update the status.
- *Error: Processing Failed.* 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.

### Detail

Displays detailed file information.

### Description

Contains a description of the file.

### Export File Status

- *FILE SENT SUCCESSFULLY*: 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.)
- *FAILURE DURING SEND*: 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.
- *FILE CREATED*: The file was created, but Integrator was not configured to transfer the file automatically out of the retail.com environment. Export the file manually.

### Error Message

If any error messages were associated with the file processing, informs you of the type of error.

## Button descriptions

### 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.