

Oracle® Retail Brand Compliance Management Cloud Service

Release Notes

Release 16.0

E84410-01

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This document highlights the major changes for Release 16.0 of Oracle Retail Brand Compliance Management Cloud Service.

Overview

Oracle Retail Brand Compliance Management Cloud Service is an application designed to meet all aspects of sourcing, developing, and protecting retailer brands. The application provides solutions for product development, compliance, quality, and traceability. It is designed specifically for retail, food service, and manufacturing businesses to develop and protect their brands, manage their suppliers, and ensure full end-to-end product lifecycle management.

Oracle Retail Brand Compliance Management Cloud Service is composed of the following modules:

- Library enables the issue, receipt, and acceptance of policies, guidelines, and key working documents.
- Product supports the development of products and production specifications.
- Project supports the development of project briefs, plans, and workflow management.
- Supplier enables the identification, selection, and approval of suppliers.

Oracle Retail Cloud Services and Business Agility

Oracle Retail Brand Compliance Management Cloud Service is hosted in the Oracle Retail Cloud with the security features inherent to Oracle technology and a robust data center classification, providing significant uptime. The Oracle Cloud team is responsible for installing, monitoring, patching, and upgrading retail software.

Included in the service is continuous technical support, access to software feature enhancements, hardware upgrades, and disaster recovery. The Cloud Service model helps to free customer IT resources from the need to perform these tasks, giving retailers greater business agility to respond to changing technologies and to perform more value-added tasks focused on business processes and innovation.

Oracle Retail Software Cloud Service is acquired exclusively through a subscription service (SaaS) model. This shifts funding from a capital investment in software to an operational expense. Subscription-based pricing for retail applications offers flexibility and cost effectiveness.

Client System Requirements

The following technology is supported:

- The following web browsers are supported on Microsoft Windows 7:

Note: Oracle Retail assumes that the retailer has ensured its Operating System has been patched with all applicable Windows updates.

- Microsoft Internet Explorer 11
 - Mozilla Firefox 45.1.1 ESR
 - Google Chrome 50+
- The following web browsers are supported on Oracle Linux 7:
 - Mozilla Firefox 45.1.1 ESR
 - Google Chrome 50+

Functional Enhancements

Note: Where new fields or User Interface (UI) changes are introduced as part of a change, the portal owner may need to set up any new system text and associated translations to support it.

The following functional enhancements are included in this release:

Productisation

The term *productisation* is used to group together enhancements to Oracle Retail Brand Compliance Management (ORBCM) Cloud Service related to its progression to an Oracle SaaS (software as a service) product. These include security improvements and additional configuration options within the Admin area.

The *productisation* enhancements are planned to be implemented across different releases. Those in 16.0 comprise administration options for the configuration of the portal's branding/theming style (logos, color scheme, and so on), and rules for the supplier and site coding conventions. A user preference option for the refresh of list views is also introduced as a performance improvement. The portal's build version can now be seen by all users.

The Branding & Theming enhancement provides the administrator with the ability to override the core ORBCM Cloud Service stylesheets and images with portal-specific custom preferences. This is achieved through a new option in the Admin area where the override images and CSS files are uploaded. The area also allows the content of the User and Supplier Terms & Conditions text to be configured (along with any language translations which the user may now choose to switch to when accepting the Terms & Conditions).

The Supplier & Site Coding enhancement provides the administrator with the ability to set the rules for the code format of new suppliers and sites. New system parameters include settings for whether the codes are auto assigned by the system when the

account is created, and if they may subsequently be changed. The settings also control the format of the site code: whether a numeric or alpha pattern is used (and the length), if the site code must be unique across the portal, and if the site code is to include the supplier code as a prefix.

The Application Programming Interface (API) Security feature provides more granular control over access to the APIs by external systems, allowing access to be restricted to specific web services as well as their individual endpoints or methods. This flexibility allows for a single account to be created for an external system to access multiple APIs, or alternatively, a separate account for each API the external system needs to access. The accounts comprise login ID and password credentials for authentication with ORBCM Cloud Service, the passwords being subject to the same format and expiry rules as the user passwords, with extra expiry notifications.

A *crypto-agility* security improvement is included to provide the ability to change the algorithm used for hashing passwords, without the need for a code change or release. This is achieved through a back-end configuration task which will be carried out by the Oracle Hosting team; it will therefore not require any changes to the application UI.

When uploading a file as an attachment, or for the system to process, the file is scanned by the anti-virus software. If a virus is detected, the user is presented with a message preventing them from uploading the file. The anti-virus software also scans text entered into rich text fields.

Entries in the Web Service log, which records details of transactions through the APIs, can be configured to automatically purge entries from the log. The number of days that entries will be retained for is set using a new system parameter.

The preparation for the transition to Oracle Database includes validation applied to certain text fields to limit the content to 4,000 characters. This limit is introduced on fields that need to be searchable through list views (the maximum field length of a searchable field in Oracle database is 4,000 characters).

Note: This enhancement does not physically change the size of fields in the database, but applies the size restriction when saving the record, in preparation for the move to Oracle Database in a subsequent release version.

For more information, see the *Oracle Retail Brand Compliance Management Cloud Service Administration Guide*.

Impact on Existing Installation

- A new Branding option is introduced in the Admin area, containing the options for customization of the portal's theme, such as the color scheme and logos.
- New Registration system parameters are introduced in the Admin area for the supplier and site coding rules. The upgrade project needs to include a task to ensure these are set as required before new suppliers or sites are created.
- When logging on for the first time, the user has the option to switch the User Terms & Conditions text to any of the languages for which a translation has been configured.

- When completing the registration process, the supplier user has the option to switch the Supplier Terms & Conditions text to any of the languages for which a translation has been configured.
- A new Global system parameter is introduced in the Admin area to control whether the auto refresh of list views is enabled as a user preference. For new implementations, it is disabled by default. For portal upgrades, it is enabled by default, in which case an option appears in User Preferences to disable as a personal preference.

The upgrade project needs to include a task to ensure this is set to operate as it did prior to the upgrade.

- The ORBCM Cloud Service release version that the portal is running is shown on the Login Page and through the *Build Tag* on the footer bar. It is also shown in the System Parameters page in the Admin area, and on the page that presents to handle an unexpected system error. A unique reference ID is added to certain error messages.
- The API Security feature replaces the current External Systems section in the Admin area with three levels of configuration: Service Access (the API web services), Endpoint Access (the endpoints or methods of the web services), and External Systems (which combines Services and Endpoints to create an account for an external system to access the APIs).

Note: Any existing external system accounts used to access the portal's APIs will need to be reconfigured, and enabled by setting a password.

The external system accounts that are pre-installed as part of the upgrade release for integration with the Reports and Artwork modules will need to be enabled by setting a password.

- Additional Login system parameters are introduced for configuration of the external system password format and expiry rules.
- Additional Task App and Urgent Items Manager (UIM) entries are introduced to notify administrators when an external system's password has expired or is due to expire. An email notification may also be sent on expiry.
- A new batch job is introduced to expire external system passwords according to the configured rules.
- A new email template is introduced, used to notify administrators of the expiry of an external system password.
- A new notification message warns users if their password is due to expire *today*.
- A new *Number of days to keep Web Service Logs* system parameter appears in the Global page. The default is 30 days.
- The preparation for the move to Oracle Database introduces validation on certain fields within the Product Specification to prevent more than 4,000 characters being saved.

If an existing record is edited which contains fields that exceed the limit because it was previously saved prior to 16.0, the user will need to abbreviate the contents or redistribute the contents to a suitable alternative field.

Details of the fields affected can be obtained during the upgrade project.

Oracle Authorized User

A specific part of the *productisation* of ORBCM Cloud Service is to provide options within the Admin area for the administration configuration of certain aspects that currently require development effort, or can only be used at the time of portal implementation, or require the *root* login to access them.

A set of authority profiles is introduced which can be assigned to the new Oracle Authorized User role (or equivalent) to grant appropriate user access to configuration options, thus allowing different administrators or implementers to be granted specific access rights, and removing the need to use the *root* login.

The following authority profiles are introduced:

- **Oracle Authorized Administrator** - administration of Languages, Permissions, and System Parameters
- **Custom Field Administrator** - administration of Custom Fields
- **Glossary Administrator** - administration of Glossary contents, including the import/export options
- **Password Administrator** - administration of Password parameters
- **Spec Configuration Administrator** - administration of Product Specification configuration
- **System Text Administrator** - administration of System Text
- **Upload Administrator** - access to Global Changes, Product, and Supplier Uploads
- **Supplier Draft Specification Visibility** - can be given to retailer/portal owner users of Product Specifications to grant them access to specifications that are at Supplier Draft status (usually only visible to supplier users)

The following authority profiles are superseded by these changes and are therefore removed: Brand Spec Status Change, Help Text Administrator, My View User, Product & Spec Reader, QA Spec Status Change, and Retailer Product Administrator.

The following general system parameters are introduced:

- **Registered Company Number Mandatory at Registration** - controls if the company number is mandatory during registration
- **Supplier Linking Enabled** - enables the Supplier Linking feature in Supplier records
- **Public Draft Statuses** - sets the *public* draft statuses (such as Collaborative Draft)
- **Allergen Override Non Approval Statuses** - sets the statuses that do not require approval of allergen overrides
- **Require Active Ingredient Statuses** - sets the statuses that require ingredients to be *active* in the glossary
- **Business Categories Mandatory Status** - sets the status at which Business Category becomes mandatory
- **CNF Component Decimal Precision** - sets the number of decimal places shown in the Components table

- **Suppress Forced Addition Closing Character If Last In Group** - sets the formatting of the Ingredients Declaration
- **Show Ingredient Separator After Forced Addition** - sets the formatting of the Ingredients Declaration
- **Report Missing Benchmark Message as a Warning** - sets the mandatory benchmark validation to a warning
- **OLC Quantities Mandatory Status** - sets the mandatory quantities validation to a warning
- **Product Record Technologist List Config** - sets the roles to include in the Product Technologist selector
- **Product Record Technologist Role Code** - identifies the Product Technologist role
- **FPS Product Attributes Columns** - sets which columns are used for red/amber/green classification
- **Barcode Regular Expression Validation** - sets the validation rules for the EAN Barcode
- **OLC shipping Case Code Regular Expression Validation** - sets the validation rules for the Shipping Case Code
- **Validate for Cutter Guide Attachment** - controls if a Cutter Guide must be attached
- **Specification Draft Statuses** - sets the statuses considered to be *draft*
- **Pack Copy Generation Statuses** - sets the statuses that may generate Pack Copy
- **Validate Bar Code Check Digit** - controls if check digit validation is to be applied to the EAN Barcode
- **Validate Shipping Case Code Check Digit** - controls if check digit validation is to be applied to the Shipping Case Code

The following administration features are also introduced:

- Authority profiles have a field to describe the type of access control they grant, shown when hovering over the authority profile name to provide a more descriptive definition when assigning permissions to a user or role.
- The User record has an option for administrators to summarize the user's level of access within the system based on the assigned authority profiles. Hovering over the authority profile also shows the new descriptive definition.
- Glossaries that currently maintain their entries using a single list (such as Supplier Types) are converted to the style of individual records within a paged list view style (such as Countries). These also include the ability to set the default value and an option to present in the order they appear in the table instead of alphabetically.
- The number of levels of business category to use in Product Records is configurable.

For more information, see the *Oracle Retail Brand Compliance Management Cloud Service Administration Guide*.

Impact on Existing Installation

- The new system parameters (and option to set the levels of business category in Product Records) are introduced in the Admin area. The upgrade project needs to include a task to ensure these are set as required.
- The Oracle Authorized User role and new authority profiles are introduced. The upgrade project needs to include a task to grant the new access rights to the appropriate administrators. The defunct authority profiles are removed.
- The new field is introduced to the Authority Profile record for the definition of the authority profile's access control. It is used as hover over text wherever the authority profile name is shown.
- The *Display Effective Permissions* option is introduced on the User record for administrator users to view a summary of the user's access rights.
- The maintenance of some glossaries has been converted from a single list to individual records within a paged list view. A list of the glossaries affected can be obtained during the upgrade project.
- The Allow Creation of Multiple Products system parameter is renamed Allow Creation of Multiple Products (Locked once the first Product record is created, Recommended setting is No), to emphasise that it cannot be changed once the first product has been created.
- A warning message is displayed when system parameters are put into edit mode, to emphasize the impact of them being changed.
- If the Supplier Linking feature is enabled, a Linked Suppliers page appears in the Supplier record (similar to the current Linked Sites page).

Glossary Import/Export

The *productisation* of ORBCM Cloud Service also provides a facility for the administrator or portal implementer to load the contents of the portal's glossaries without the need for development effort. This is achieved by providing a glossary import and export facility, available to users that have been granted the new Glossary Administrator authority profile.

Glossaries may be exported and imported either individually or using a *bulk* export option. The import/export facility has options to include language translations. An Excel spreadsheet file is used to contain the contents of the glossary which can be exported, amended offline, and imported back into the system.

For more information, see the *Oracle Retail Brand Compliance Management Cloud Service Administration Guide*.

Impact on Existing Installation

- The current bulk glossary export and import options in the Admin area is replaced by new export/import options within each glossary.
- A new core glossary download facility is introduced in the System Control Admin area.
- New batch jobs are introduced to process the import and export options.
- Two new Glossary Imports and Glossary Exports list views are provided in the Batch Jobs Admin area, giving the administrator visibility of the submitted export and import jobs.

Note: If using the Glossary Import facility to load large numbers of additional ingredients to an Ingredients glossary that is already populated, the processing time may be significant due to the validation checks that are applied.

For example, uploading 4,000 additional ingredients could feasibly take around 2 hours to complete the processing.

In such a scenario, it may be desirable to split the uploads over multiple smaller batches.

Supplier and Product Uploads

A further aspect of the *productisation* of ORBCM Cloud Service provides a facility for the administrator or portal implementer to load new products, suppliers & sites and retailer users en masse, without the need for development effort. This is achieved by providing supplier, product, and user upload options within the Admin area, available to users that have been granted the new Upload Administrator authority profile.

The Supplier & Site upload uses an Excel spreadsheet to create new Supplier and Site accounts, subject to the appropriate validation checks. The spreadsheet template can be downloaded to ensure the correct format is used for the upload. The creation of a new Supplier account will also create an initial User account; the upload includes the option to automatically notify the designated user on creation of the account.

The Product upload uses an Excel spreadsheet to create new Product Records (not Product Specifications), subject to the appropriate validation checks. The spreadsheet template can be downloaded to ensure the correct format is used for the upload.

The Retailer User upload uses an Excel spreadsheet to create new retailer/portal owner user accounts (not supplier users or contacts), subject to the appropriate validation checks. The spreadsheet template can be downloaded to ensure the correct format is used for the upload.

Some improvements are made to the Batch Job Manager in the Admin area to present the batch job entries as an individual record, with any upload files or exceptions held as attachments.

For more information, see the *Oracle Retail Brand Compliance Management Cloud Service Administration Guide*.

Impact on Existing Installation

- A new Import option is introduced in the relevant list views, containing the options for uploading Suppliers & Sites, Products, and Users, with options to download templates for the associated spreadsheets.
- New batch jobs are introduced for the processing of the Supplier & Site, Product, and User uploads.
- Batch Job Manager entries now open as individual records.
- A new email template is introduced, used to notify administrators of any upload pre-validation errors.

Sustainability

The Sustainability feature extends the data captured within Product Specifications to include information relating to sustainable and responsible sourcing of ingredients.

There is a requirement for organizations to gather additional information about certain types of ingredients, in order to respond to sustainability and welfare concerns, and consider appropriate labelling. Ingredients of concern include meat, fish, poultry, and palm oil but, with ongoing environmental awareness, additional ingredients or raw materials are likely to be included.

A Sustainability page is introduced in the Recipe & Raw Materials and Formulation & Raw Materials sections of the Food and Formulated Non Food specification types, and any other specification types that share those sections.

If the Sustainability feature is enabled, ingredients in the recipe or formulation can be assigned a sustainability category, in which case additional information relating to the breed/variety, source, and catch method are entered along with the other raw material data.

For more information, see the *Oracle Retail Brand Compliance Management Cloud Service Administration Guide* and *Oracle Retail Brand Compliance Management Cloud Service Product User Guide*.

Impact on Existing Installation

- A new system parameter is introduced to enable the Sustainability feature. In new installations, it will be enabled by default just for Food specifications. For existing portal upgrades, it will not be enabled; the administrator will need to choose to enable it for Food and/or Formulated Non Food specifications if required.
- New glossaries are introduced in the Admin area for the Sustainability Categories, Breed/Latin Name/Variety, Source, and Catch Methods.
- If Sustainability is enabled, fields for the capture of the Sustainability data will appear in the Recipe and Raw Materials section of Food specifications and Formulation & Raw Materials section of the Formulated Non Food specification. The new fields will appear in both new and existing specifications, however they will not be populated in existing specifications. There are no changes to the specification workflow.
- The Recipe/Formulation import/export facility is also enhanced to cater for the new Sustainability fields, with additional columns being added to the spreadsheet. The changes to the spreadsheet format make it incompatible with the current format, so any outstanding uploads of recipes/formulations should be completed prior to the upgrade.
- The new Sustainability fields are made available to the Specifications API and for selection in the Reports module.

System Text

Improvements are introduced to the administration of system text (field labels, error messages, and so on), help text, and their language translations. The core default system text can be overridden with portal-specific custom text, by either editing within the Admin area or exporting for offline editing prior to importing back into the system.

The improvements provide a more efficient means of managing text changes, in particular where there are large scale changes as part of a version release.

Prior to 16.0, the ability to configure system text was restricted to Oracle users, with the changes being applied through the upload of spreadsheets. The 16.0 improvements provide a new option in the Admin area for administrators with the Power

Administrator authority profile to maintain the overrides directly within the system, or alternatively through an export/import option.

The format of the export/import files changes from spreadsheets to text-based *properties* type files which can be edited with a text editor such as Microsoft WordPad.

A *snapshot* of the system text can be taken prior to any maintenance, to create a backup that can be reloaded in the event of it being necessary to revert to a prior version of the system text.

For more information, see the *Oracle Retail Brand Compliance Management Cloud Service Administration Guide*.

Impact on Existing Installation

- Options appear in the System Text section of the Admin area for System Text, System Text Imports, and System Text Snapshots.
- The current System Text option is renamed *Legacy System Text*. It will contain all the portal's system text spreadsheets that were present prior to the upgrade. The spreadsheets are retained purely for reference purposes, so they can be viewed and downloaded, however the options to upload or process the files are removed.
- The core default system text will be applied as part of the upgrade, after which an upgrade script will be run to automatically carry over any custom overrides or language translations (based on the ID of the core text item having a matching ID in the pre-16.0 system text). If the resulting override descriptions or translations are no longer required, they can be removed using the new system text administration facility.
- Where an override is applied to a system text description or piece of help text, the system will ignore any corresponding core translations, as it is assumed those translations are no longer appropriate. In this case, it may be necessary to set up additional custom overrides for the required language translations.
- Changes to system text are not automatically version controlled. The administrator should take a snapshot prior to making changes.

Product Specifications API

The suite of ORBCM Cloud Service APIs is extended to allow for the creation, retrieval, update, and deletion of Product Specifications, using standard RESTful web service technology (GET, PUT, and POST methods). The API caters for the creation of all specification types. Details of how to call the web service can be found in the *Oracle Retail Brand Compliance Management Cloud Service Implementation Guide*.

Note: The status of the specification may be set when being created through the API, however validation to check the completeness of the specification for that status is not applied by the API. It is applied once the user chooses to edit or progress the specification within the system.

It is therefore possible that a specification may be created at a status where certain fields are locked (based in the portal's field locking rules), and validation may not permit the saving or progression of the specification, in which case, it will be necessary to regress the specification to a prior status in order that the fields in error can be edited.

Impact on Existing Installation

Options are available in the External Systems section of the Admin area to grant external systems access to the new Product Specifications API.

Audits & Visits API

The suite of ORBCM Cloud Service APIs is extended to allow for the creation, retrieval, update, and deletion of Audits & Visits (and their associated Issues/Non Conformances), using standard RESTful web service technology (GET, PUT, and POST methods). Details of how to call the web service can be found in the *Oracle Retail Brand Compliance Management Cloud Service Implementation Guide*.

To support the integration of Audits & Visits with external systems, Audits, Visits, their Issue/Non Conformance records, and Certification Bodies are now each assigned a unique identifier.

Impact on Existing Installation

- Options are available in the External Systems section of the Admin area to grant external systems access to the new Audits & Visits API.
- A unique ID is introduced on Audit/Visit records and their Issue/Non Conformance records. The IDs are also shown in certain list views.

Business Categories API

The suite of ORBCM Cloud Service APIs is extended to allow for the creation, retrieval, update, and deletion of Business Categories, using standard RESTful web service technology (GET, PUT, POST, and DELETE methods). The API will typically be used for the synchronization of the Business Categories glossary with the equivalent in an external system. Details of how to call the web service can be found in the *Oracle Retail Brand Compliance Management Cloud Service Implementation Guide*.

The update of existing categories through the API includes the ability to move a level (including its sub-levels) under a different parent level. Categories may be deleted, if they are not assigned to any other records within the system.

The enhancement includes a change to the database to allow reporting and searching on the individual (up to five) levels of the portal's category hierarchy.

Impact on Existing Installation

- Options are available in the External Systems section of the Admin area to grant external systems access to the new Business Categories API.
- Where business category can be selected as part of a list view or report selection criteria, additional fields may be selected to include the contents of the individual levels of the business category hierarchy (a maximum of five levels is permitted).

Related Documentation

For more information, see the following documents in the Oracle Retail Brand Compliance Management Cloud Service Release 16.0 documentation set:

- *Oracle Retail Brand Compliance Management Cloud Service Administration Guide*
- *Oracle Retail Brand Compliance Management Cloud Service Implementation Guide*
- *Oracle Retail Brand Compliance Management Cloud Service User Guide*
- *Oracle Retail Brand Compliance Management Cloud Service Product User Guide*
- *Oracle Retail Brand Compliance Management Cloud Service Project User Guide*
- *Oracle Retail Brand Compliance Management Cloud Service Reports User Guide*
- *Oracle Retail Brand Compliance Management Cloud Service Supplier User Guide*

Documentation Accessibility

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Value-Added Reseller (VAR) Language

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