



# CONTOUR 3.0 RELEASE NOTES:

New enhancements and important information for upgrading.

The release of 3.0 delivers a number of new features, enhancements and defect fixes to Contour. This guide provides an explanation of the changes and steps necessary to upgrade successfully. In addition to this guide, there are a number of additional resources to help with the upgrade process:

- **Webinars:** There will be an upgrade webinar scheduled to walk users through the migration process.
- **Videos:** Video tutorials of new features are available to help users take advantage of 3.0 functionality: <http://www.jamasoftware.com/videos>
- **Extended Support:** Jama's product support team will be available outside regular hours to assist with upgrades on a per-request basis.

While the upgrade process is designed to be fully automated, additional work may be required in the following areas:

1. **Custom Reports:** Customers that have developed Custom Reports with BIRT or Velocity will need to be evaluated and likely modified to take advantage of the new project hierarchy. See section 2.7 and 2.8 for a detailed description of changes.
2. **Custom Integrations:** Customers utilizing the Contour Web Services API will need to make adjustments. See section 2.4 for a detailed description of changes.

It is highly recommended that you create a backup (non-production) installation of Contour on a spare server to perform a test run of the upgrade process, upgrade reports and custom integrations. This non-production instance should also be used to provide access to power users to ensure they understand the impact of the upgrade and can use the instance to train other users.

Please be aware of the suggested time commitments to perform an upgrade to Contour 3.0.

**Note:** For the best user experience in Contour 3.0, we suggest using IE 8 or Firefox 3.x.

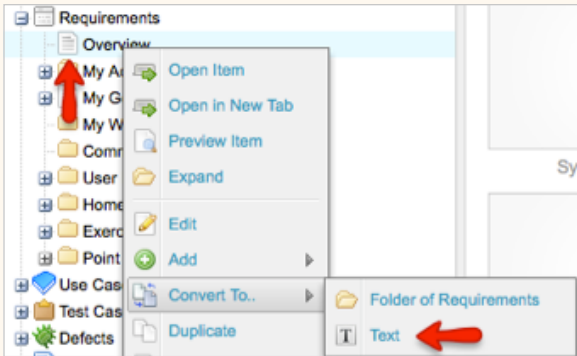


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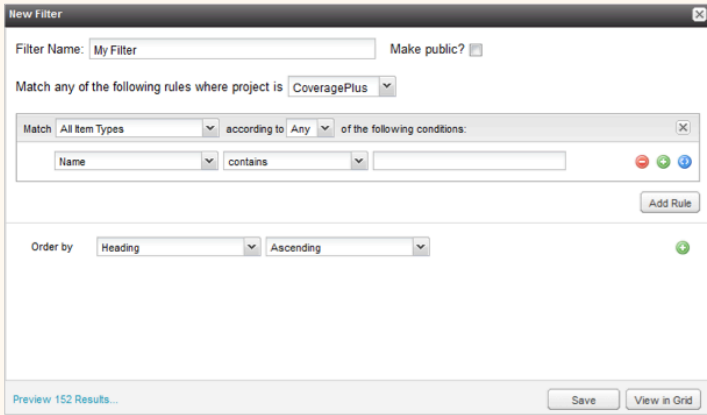
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## New Features & Enhancements

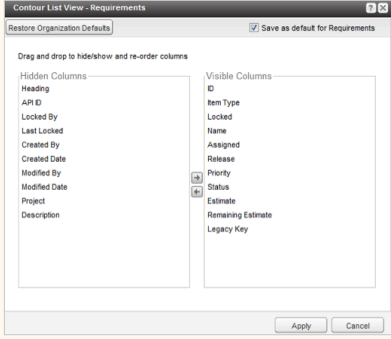
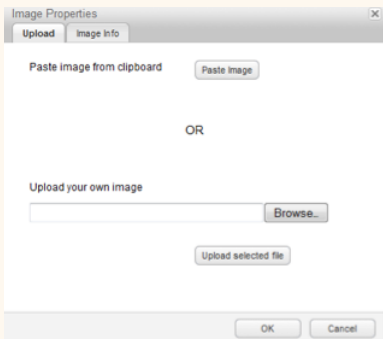
The following features are new or enhanced in Contour 3.0. In addition, a list of resolved defects is located on page 13.

Feature	Details
System Hierarchy	<p>The Project Explorer has been enhanced to provide organizations with greater flexibility in modeling complex software, systems and products.</p> <p><b>Components:</b> A new “Component” object provides a container within a project to organize data. Components can contain multiple Sets and explanatory text, have a discussion thread, relationships and may include custom fields. Components can be used to define sub-systems, a specification or help organize a project into smaller units.</p> <p><b>Sub-Items:</b> Requirements and other items within Contour are now allowed to have sub items. Sub-items may be used to further decompose high level requirements.</p> <p><b>Video Tutorial:</b> <a href="http://www.jamasoftware.com/contour/video/system.php">http://www.jamasoftware.com/contour/video/system.php</a></p>
Descriptive Text	<p>A new Text Item object is available in 3.0 that may be used to add descriptive text to Components and Sets. Text items can be used to provide an overview, background or other non-requirement details that are important to include within a document or for context to the reader. To assist with the upgrade, a conversion feature is available to convert existing Items to a Text item.</p>
	
Enhanced Filters	<p>Contour basic filtering functionality has been replaced with a new advanced Filter builder that extends upon previous query capabilities. Contour will automatically upgrade all existing filters to work with the 3.0.</p> <p><b>New filter functionality includes:</b> (on next page)</p>

(Continued on next page)

Feature	Details
<p>Enhanced Filters (Continued)</p>	<ul style="list-style-type: none"> <li>• Ability to query across multiple projects</li> <li>• Ability to specify multiple locations</li> <li>• Ability to include relationship information in queries</li> <li>• Ability to sort the results</li> <li>• Ability to include sub-queries</li> <li>• Ability to create a list of favorite filters</li> </ul> 
<p>Office Templates</p>	<p>The Office Templates enable users to export data directly to a Word or Excel template.</p> <ul style="list-style-type: none"> <li>• Word templates utilize mail merge functionality which simplifies the process of creating customized documentation.</li> <li>• Excel templates utilize the .xlst template format.</li> </ul> <p><b>Video tutorial:</b> <a href="http://www.jamasoftware.com/contour/video/reporting.php">http://www.jamasoftware.com/contour/video/reporting.php</a></p>
<p>Item Keys / IDs</p>	<p>Organizations often have requirements that are linked across multiple projects that require the ID associated with an item be unique. Prior to 3.0, keys generated by Contour were only unique per project. The item ID scheme for 3.0 has been enhanced to ensure unique identifiers across the organization and include a project identifier</p> <p>During the upgrade process all ID's will be updated to the new naming scheme. See information below for details.</p>

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Feature	Details
<p>Save Field Order List View</p>	<p>Administrators may define the default columns and order for table views within Contour. Users may adjust the columns and order or revert back to the default view.</p> 
<p>Explorer Auto-Numbering</p>	<p>Contour automatically updates outline numbering when items in the project explorer are moved. This eliminates the manual "update headings" process of prior versions.</p>
<p>Review Center Views</p>	<p>The Review Center hierarchy persists when displaying items selected for review. For example, if a release is sent to review, the items are displayed in context so reviewers will better understand the scope of the release. Items are displayed in the same order as the project explorer along with parent items.</p>
<p>Release View</p>	<p>The system hierarchy is now persisted when exploring the release tree. Users can view items added to a release in context of the project hierarchy. The list view of a release does not include any project hierarchy context.</p> <p>For example, items added to a release will display all of the item's parents in the releases explorer. If the parent items were not explicitly added to the release, they will be greyed out.</p>
<p>Rich Text Editor Image Pasting</p>	<p>In the new rich text editor, users can now paste images into the editor. Click the image icon in the rich text editor followed by the "Paste Image" button.</p> 

# Significant Changes

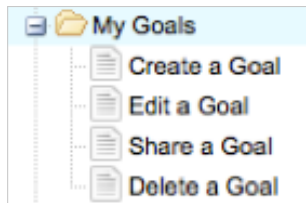
Contour will perform a series of automatic data updates during the upgrade process. It is important to understand these changes so you can make adjustments as needed once the upgrade is complete.

## 2.1 Folder conversion to item with sub-items.

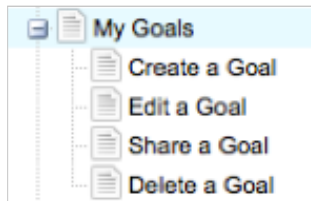
During the upgrade, Contour will evaluate the folder configuration for each item type. If it appears the Folder is being used as an item with children, Contour will convert to an Item with children based on the following condition:

If folders are configured to have additional fields in addition to the default fields Name and Description, Created by, Created Date, Modified By, Modified Date, Contour will convert the Folder into an Item with Children. Why? Customers that use folders as items with children typically add additional fields to the folder. For example, if you are using a Folder to represent a Use Case with each item in the folder containing an alternate flow, Contour will automatically convert this to an Item with sub-items.

Example of a folder with default fields after upgrade to 3.0



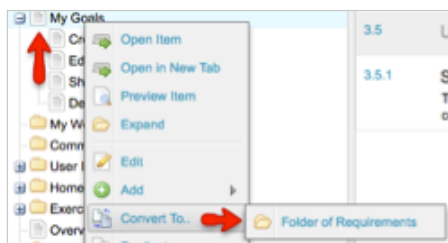
Example of a folder with additional fields – such as “Release” & “Assigned To” after upgrade to 3.0



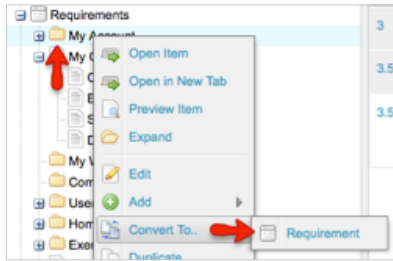
### 2.1.1 Manual Conversion

After the automatic upgrade, you may convert back and forth using the new “Convert To” feature.

To convert an Item with sub-items to a folder, right click, and then select “Convert To.”

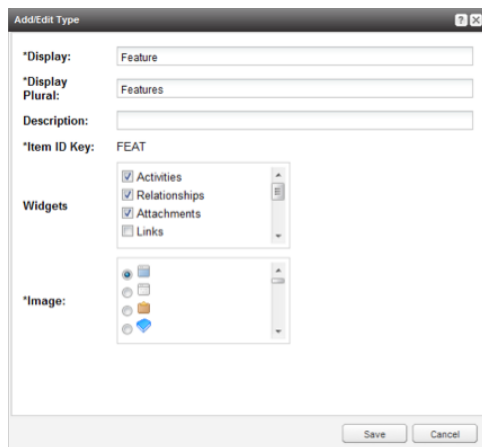


To convert a Folder to an Item with Sub-Items, right click, and then select "Convert To."



## 2.2 Sets and item types.

Contour will automatically upgrade Sets to support the new project structure. Sets will continue to be used to organize and store Items of the same type within a project – but in 3.0 the icon and prefix have been moved to the Item type configuration and are managed by the Administrator.



During the upgrade process, Contour must consolidate the icons and prefixes used across the organization. To do this, Contour will select the first prefix of the first Set encountered during the upgrade. Contour will use this same process to define the image used to identify the Item Type by selecting the icon used by the first Set. Both of these settings may be changed by the Administrator.

## 2.3 Document IDs.

Contour will generate new keys for ALL items in the system based on the new composite key format. The composite key follows the following pattern: <Project key>-<Item Type key>-#. Example: CP-REQ-49



Contour will determine the keys based on the following rules:

**Project key:** will be defined by taking the first 5 capital letters or numbers. If no capitals or numbers are found the first 5 alpha characters minus any spaces will be taken. For Example: CoveragePlus would become CP.

**Item Type key:** will be defined by the default prefix as defined in the Item Type.

**Incremental number:** will be calculated. For most projects this should correspond to the existing key unless multiple Sets of the same: Item Type exist. The incremental number is project and Item Type based.

**Legacy Key:** Contour will copy all item ID's to a new field called "Legacy Key". This new field will be displayed by default on all items until removed by an organization administrator.

## 2.4 Web services API.

Contour's Web Services API has been updated for 3.0 to support the project hierarchy enhancements. Modules (Sets) are no longer relevant and have been replaced with a new set of services.

Objects (like WsItem) that contained WsModule/moduleId will now contain WsDocumentType/docTypeId and WsProject/projectId.

The ability to create filters visible to users is no longer available via web service due to the introduction of the new advanced filter builder. You can continue to construct and run ad-hoc filters as before, and you can get/run our new style filters just like you used to.

Documents are now part of our System Hierarchy, and as such they have rules associated with their placement in your project. The document's placement is still determined by its parent id. If you attempt to put a document in an invalid place the method will throw an error. A good way to check whether or not your document's location is acceptable is by using the new isValidDocumentPlacement method.

We have separated our web services into v2 and v3. If you do not use methods related to Modules or adding/ updating filters you can continue to use the v2 services without changing anything! If you try to use an old method that is no longer valid you will get a descriptive error. To switch to v3 and take advantage of the location methods, you'll need to regenerate your wsdl and point your connection (replace "v2" with "v3" in the address).

### Web Services Added:

- getItemsForProjectAndDocumentType
- isValidDocumentPlacement
- moveDocument
- getDocumentTypesForProject

### Removed Web Services:

- getModules
- getModule
- deactivateModule
- addModule
- updateModule
- getItemsForModule

## Removed Web Services (Continued from last page):

addFilter  
 updateFilter  
 deleteFilter  
 getFiltersForModule

Full API Documentation: <http://www.jamasoftware.com/api/latest>

## 2.5 System reports.

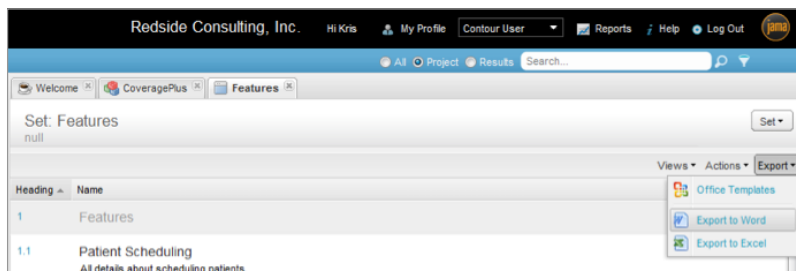
System Reports (included with Contour) are updated automatically. Reports that used the Set selector will now use the Location selector.

The following reports are being removed completely and replaced by 3.0 enhancements.

- Baseline: replaced by ability to export a baseline directly to Word
- Export to Excel – All Fields: replaced by the export view to Excel
- Export to Excel – Fields in table view: replaced by export view to Excel
- Requirements Document: replaced by export to Office Template
- Requirements Specification – Left Aligned: replaced by export to Office Template

### 2.5.1 Current View Reports

All current view reports are now located in the Export option of a results list. For current view custom reports, the round trip report, and other system reports choose the Office Templates option.



## 2.6 Custom BIRT reports.

The 3.0 release includes updates to the database schema that may impact custom BIRT reports. The changes that will likely impact your reports are:

The documentgroup table is no longer the resource for Set information. The Sets are now maintained within the document table. To find the items within a Set, the user must reference the documentnode table to find the children of the selected document. This will also be how a user will find the children of an Item, Text, Folder, Set and Component.

isFolder – This column no longer used. The user must now look to the document type to determine whether the document record is an Item, Text, Folder, Set or Component. Only Items and Components can have relationships.

Documents are now linked directly to an item type via the documenttype table. If multiple Sets are created from a singular item type then the user must find the Set within the document table and then locate its children via the document node.

The new documentnode table provides the linkage between parent and child, whether the parent is a project or folder. The refId is the Id from the document or project table. Referencing the scopeld (3=project or 5=document) will ensure that the user has the correct record. The sequence and globalsortorder can be used to grab or order like items.

The 3.0 database schema is located at: <http://www.jamasoftware.com/schema>

## 2.7 Custom Velocity reports.

The removal of the document group will be the biggest change, the document item type will be available and will likely fit most of the user's needs.

- Get all the sets for a project: `List<Document> documentDao.getChildDocumentList(projected, true, null);`
- Get all document ids in a set: `List<Integer> getSubTreelds(projected, 5, setId, null);`
- To access the documentKey, use the documentNode by `documentNodeDao.getDocumentNode(5, docId)`.
- The type of a document (Set, Module, Text etc) can be check by its category: `document.documentType.display`

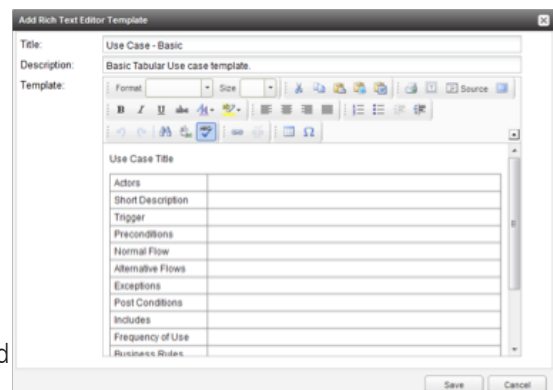
## 2.8 Rich text templates.

Rich Text Templates used within the editor are now managed from within Contour for easier creation and maintenance. In addition, the templates are no longer stored in a configuration file; they are stored in the database to simplify the upgrade process.

Custom Templates – Customers that have created customized templates will need to perform the following steps to upgrade:

1. Save a copy of the configuration file containing the template.
2. Upgrade Contour.
3. Log in as an Organization Administrator and navigate to Administration.
4. Click "Editor Templates."
5. Add a new template, click on the "Source" button.
6. Paste in HTML from the template configuration file removing the single quotes and other extra characters.
7. Enter a title, description and save the template.

**Note:** Customers on Jama's hosted server can now create and



## Performing the Upgrade

The steps to upgrade the Contour server remain the same as prior upgrades. Please refer to the upgrade guide for step-by-step instructions:

<http://support.jamasoftware.com/forums/209631-documentation>

### 3.1 Time preparation.

The Contour 3.0 upgrade may take a long time to complete depending on the amount of data in your database server and the available processing power and memory allocated to your Contour server. The entire upgrade may finish in as quickly as twenty minutes, but we suggest being prepared to reserve at least 3-4 hours for the complete upgrade.

### 3.2 The upgrade.

The upgrade setup is comprised of three main steps:

1. Apply database schema updates (typically this will take 15-30 minutes).
2. Apply data patches (1-5 hours depending on the amount of active items in the database). Allot roughly 1 hour for every 20k items in your database.
3. Indexing (1-2 hours depending on the number of items).

**Note:** For users upgrading using the Oracle database. Please download the latest Oracle JDBC driver for Tomcat: ojdbc5.jar (version 11.2.0.2.0 or above). Tomcat 6 contains an older driver which may cause issues during an upgrade. Place the jar file in the {Tomcat}\lib directory.

[http://www.oracle.com/technology/software/tech/java/sqlj\\_jdbc/index.html](http://www.oracle.com/technology/software/tech/java/sqlj_jdbc/index.html)

## After the Upgrade

Once the automated upgrade process has completed and you can log into Contour 3.0, the following steps should be reviewed and completed as required.

### 4.1 Update custom reports.

After updating and testing your custom reports against a non-production instance of Contour 3.0, they must be installed on the production version of Contour through the Administrative interface. The process of adding customer reports remains the same as in prior versions.

[http://www.jamasoftware.com/help/index.html?adding\\_custom\\_reports.htm](http://www.jamasoftware.com/help/index.html?adding_custom_reports.htm)

### 4.2 Update plug-ins.

For customers that have purchased custom plug-ins, contact [support@jamasoftware.com](mailto:support@jamasoftware.com) to request the updated plug-in for 3.0. Support will email a 3.0 JAR file that can be added to the Contour server and will be available after the server is restarted.

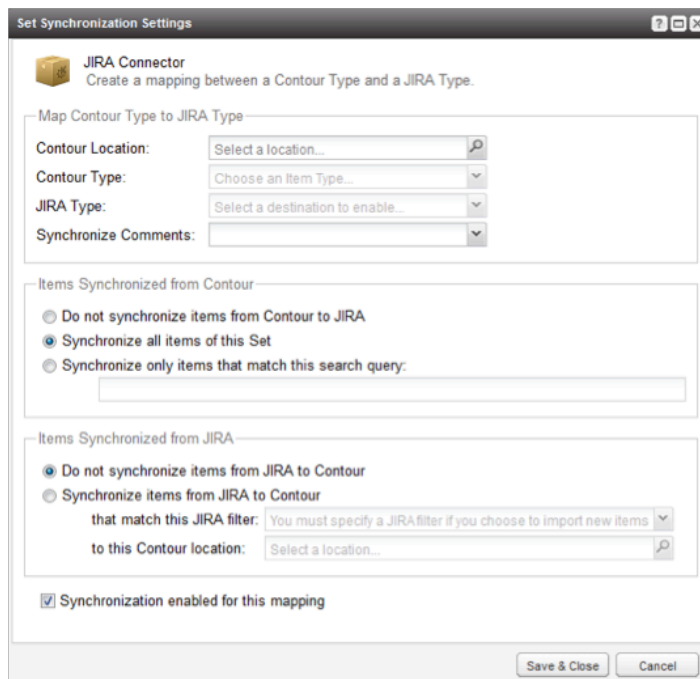
### 4.3 Update integrations.

Contour Connectors used to integrate with other systems have been updated to accommodate the new project structure. Notes on Atlassian JIRA, Enterprise Architect and Jive SBS Connectors begin on the next page.

### 4.3.1 Atlassian JIRA Connector

During the upgrade to 3.0, Contour will automatically upgrade the connector based on your current settings. These may be further adjusted as needed after the upgrade to take advantage of two enhancements.

1. Location Based Synchronization: Administrators can select a location (including the entire project) to define which items should be synchronized.
2. Item Type Synchronization: Administrators can select an item type such as requirements that defines the items to synchronize. This enables one synchronization setup for projects with multiple sets of requirements.



### 4.3.2 Enterprise Architect Connector

EA Connector users will need to install the latest EA Connector:

[http://www.jamasoftware.com/help/index.html?ea\\_connector\\_install.htm](http://www.jamasoftware.com/help/index.html?ea_connector_install.htm)

After the EA Connector is updated, users will need to recreate mappings and re-import their projects into EA.

Major updates include:

- Instead of setting up a mapping scheme to map Contour Sets to EA Requirements, you now map Contour Item Types to EA Requirements to simplify administration.
- As before, the user who is importing from Contour chooses a target location (package) in EA. However, the process that items are imported is a little different. Before, each set that was chosen during import, would go to its own individual folder (so Requirements would go to a Requirements folder, Use Cases would go to a Use cases folder, etc.). Now, with the new Contour hierarchy and type mapping, Contour items will be imported into EA in the same tree structure as they exist in Contour. Necessary nodes, like components



and folders, needed to maintain the tree structure will be imported as well. You can think of this as behaving similar to the way we handle the release tree in Contour - nodes that are necessary for the tree structure, but aren't part of the release are still included (they're just disabled/grayed out).

- When you delete an item in Contour and you sync in EA, EA no longer gives you the option to "Recreate in Contour" as it did in the previous release.

### 4.3.3 Jive SBS

Administrators must update the Jive SBS plug-in and update two new parameters – parent ID and document type ID. These parameters are documented in the help file:

[http://www.jamasoftware.com/help/index.html?sbs\\_setup.htm](http://www.jamasoftware.com/help/index.html?sbs_setup.htm)

## Resolved Defects

Priority	Defect Description
Critical	<p><b>JC-BUG-1330</b> Can't select "True" and "False" radio buttons for fields of type "Flag" when adding/editing a filter in IE7.</p> <ol style="list-style-type: none"> <li>1. Open, add or edit a filter for an item type that has fields that are of type flag.</li> <li>2. Try to select "True" and "False" radio buttons.</li> </ol> <p>Note: Can't select "True" and "False", "Ignore" is always selected.</p> <p>Change Details: Contour filters were completely rebuilt. This defect no longer applies.</p>
Critical	<p><b>JC-BUG-1373</b> Round Trip - adding items while updating.</p> <p>When updating items via Round Trip, additional items added to the Excel spreadsheet are ignored. Items cannot be added to Contour via Round Trip during an update.</p> <p>In Contour 2.9.7:</p> <ol style="list-style-type: none"> <li>1. Select a Set and generate an Excel Template report.</li> <li>2. Open the resulting document and add a couple extra Rows (items to be added) and save the document.</li> <li>3. Re-import the document, and check the update option in the field mapping screen.</li> <li>4. The additional rows were created as new items into the directory you imported to.</li> <li>5. Notes: If you import into other directories, additional items from the added rows will be created but ALL other items with the same name as those in the additional rows will have their Contour fields updated by the Excel values.</li> </ol>
Critical	<p><b>JC-BUG-1370</b> "User ID" in My Profile is editable.</p> <p>In Contour 2.9.9 the "User ID" is editable through the edit settings in my profile.</p> <p>Change Details: The "User ID" is now a non-editable field as originally intended.</p>



Priority	Defect Description
High	<p><b>JC-BUG-1272</b> Coverage report – New Folder option so user decides to include/ignore. Add a parameter that will allow a user to determine whether or not folders will be included in the list of items checking for coverage. Updated report is attached to defect.</p> <p><b>** New to 2.9.9 **</b> Missed the detail that there is a new parameter associated with the report that needs to be included. Boolean value with name of "\$report_includeFolders" and display value "Include Folders."</p> <p>Change Details: Reports are now based off of location and will auto-include folders.</p>
High	<p><b>JC-BUG-1328</b> Word Import – null exception. Sets with no description field will error on a Word import.</p>
High	<p><b>JC-BUG-1354</b> Trailing slash "/" on organization base URL results in email links that don't work on some browsers.</p> <ol style="list-style-type: none"><li>1. Login as an organization admin.</li><li>2. Open Administration Mode; Organization Details.</li><li>3. Add a trailing "/" to the Base URL.</li><li>4. Create a review and invite users or push email notifications.</li></ol> <p>Note that in the links in the emails, there is a "/" in the path due to the trailing "/" in the base url. For browsers like IE, these links don't work.</p>
High	<p><b>JC-BUG-1358</b> Pick List Configuration – default flag needs to be removable. The customers need some way of making a pick list have no default value. Without this option the required field option is a bust.</p>
High	<p><b>JC-BUG-1362</b> Import – numbers in name beginning. Importing a Word document with any amount of numbers at the beginning of a header value which defines the name of an item will be removed. Example:</p> <p>1 2 3 4 5 Heading3 Name Description text here</p> <p>1.1 2324 Heading3 Name2 Description text here</p> <p>Importing a Word Document with the above values will correctly apply the hierarchy scheme but it will also delete all numbers which precede a letter in the heading.</p> <p><b>Actual Output:</b> name: Heading3 Name</p> <p><b>Suggested output:</b> name: 2 3 4 5 Heading3 Name</p> <p>Change Details: Only the first set of numbers will be removed on import. Any remaining numbers will display in the name field.</p>



Priority	Defect Description
High	<p><b>JC-BUG-1352</b> Review Center comments: copy and paste from Microsoft apps includes hidden styles block.</p> <p>When you copy and paste from an MS app to a Review Center comment, the huge styles block is included and there is no way to avoid them (there is no "Source" or "Paste as plain text" toolbar button). The styles cause issues in the UI and in email notifications (renders the email unreadable).</p> <p>Contour should clean the styles block when copying and/or pasting from Microsoft app to a Review Center comment, or at least have a way to copy and paste without including the styles block (source or paste as plain text).</p>
High	<p><b>JC-BUG-1338</b> Item Type – Components error.</p> <p>Creating an Item Type with no components enabled (relationships, attachments, links, etc.) results in an error when creating items under a set created from that Item Type. The error displays when trying to open an item in that set. Contour attempts to create the components area at the bottom of the open item screen but because no components are enabled it pops up with a javascript null error.</p> <ol style="list-style-type: none"><li>1. Create a new Item Type with no components enabled.</li><li>2. Add a new set to a project based on the new Item Type you created.</li><li>3. Add an item to the set you just created.</li><li>4. Open the item....error.</li></ol> <p>Note: Item Type "components" are now called "widgets" in Contour 3.0.</p>
High	<p><b>JC-BUG-1232</b> Date Format: date display in activity stream filter not honoring date format.</p> <p>Log in as root and update the date formats from American to European.</p> <ul style="list-style-type: none"><li>• Javascript Date Time Format: j M Y H:m P</li><li>• Java Date Time Format: dd/M/yyyy hh:mm:ss a</li><li>• Javascript Day/Month/Year Format: d-m-Y</li><li>• Java Day/Month/Year Format: dd-MM-yyyy</li></ul> <p>Log in as a regular user and open the configuration for My Settings within the Activity Stream. Select a date range and see that the date is American.</p> <p>Related Ticket: <a href="http://support.jamasoftware.com/tickets/647">http://support.jamasoftware.com/tickets/647</a></p>



Priority	Defect Description
Medium	<p><b>JC-BUG-1203</b> Custom and Predefined Fields - not showing as filterable.</p> <ol style="list-style-type: none"><li>1. Add several different predefined fields and/or custom fields to an available item type.</li><li>2. Add a new filter for the same item type.</li><li>3. Some custom/predefined fields show up as filterable, several do not. [did not try all lookup / pick list values...]</li></ol> <p>Predefined: FILTERABLE: create date, modify date, create by, modify by, lookup [issue status], date, release, user, flag NOT FILTERABLE: original estimate, remaining estimate, timespent, string, text</p> <p>Custom: FILTERABLE: multi-select, flag, date, user, pick list [defect status], release NOT FILTERABLE: item in a set (filterable in previous version), text field, integer, url, text box</p> <p>Change Details: Contour filters were completely rebuilt. This defect no longer applies.</p>
Medium	<p><b>JC-BUG-1282</b> Project folder hierarchy bug.</p> <ol style="list-style-type: none"><li>1. Create a folder to store a new project.</li><li>2. Create a new project and store it under the folder (has to be created outside of the new folder created).</li><li>3. Open the project, go to configure project. Edit something and click on save.</li><li>4. The project moved to the root folder on its own accord.</li></ol> <p>Related Tickets: <a href="http://support.jamasoftware.com/tickets/776">http://support.jamasoftware.com/tickets/776</a> <a href="http://support.jamasoftware.com/tickets/945">http://support.jamasoftware.com/tickets/945</a></p>
Medium	<p><b>JC-BUG-1315</b> Filter -- multi-select fields auto-populate with a default value.</p> <p>The advanced search / filter function is counter-intuitive as it 'checks' the default values for fields that are multi-select. In a multi-select field:</p> <ul style="list-style-type: none"><li>- Selection 1 (default)</li><li>- Selection 2</li><li>- Selection 3</li></ul> <p>The filter will open with the "Selection 1" check box already checked. Running the search will only select items that have the "Selection 1" selected, which may not be what the user intended.</p>



Priority	Defect Description
	<p><b>JC-BUG-1315</b> continued from last page: It would make more sense, from a usability perspective, to have all fields cleared, with nothing checked, when first opening the advanced search / filter.</p> <p>Related Tickets: <a href="http://support.jamasoftware.com/tickets/843">http://support.jamasoftware.com/tickets/843</a></p> <p>Change Details: Contour filters were completely rebuilt. This defect no longer applies.</p>
Medium	<p><b>JC-BUG-1363</b> Review Center — progress bar rounding error</p> <p>It is possible to complete very large reviews before all items have actually been approved.</p> <ol style="list-style-type: none"><li>1. Create a Review that contains at least 504 items.</li><li>2. Mark 502 items as approved.</li><li>3. The progress bar indicates 100% completion on the review and Contour offers the user to finish the review.</li><li>4. This is likely a rounding issue with the progress bar.</li></ol>
Medium	<p><b>JC-BUG-1289</b> Suspect Links - users with write access to the affected item should be able to see and clear a suspect link.</p> <p>Permissions currently limit the viewing and clearing of suspect links to users that have write access to both Sets in the relationship.</p> <p>A common permission scheme is to only provide read access to upstream items. This means that the members of a test group might only have read permissions to requirements but write permissions on test cases. If a requirement is updated, the related test case will not appear as suspect to a member of the test group.</p> <ol style="list-style-type: none"><li>1. Set up a test group that has read access to the project and write access to the test case set.</li><li>2. Login as an Admin and create some relationships from requirements or use cases to test cases. The test cases must be downstream.</li><li>3. Make some edits to the upstream requirements and use cases.</li><li>4. Review the relationships tab and see that there are suspect links indicated.</li><li>5. Log in as a member of the test team. Important that this user only belongs to the test team so they receive the correct permissions.</li><li>6. Open the test cases that have relationships to the use cases or requirements above.</li><li>7. Note that the relationships to the use cases and requirements are NOT marked as suspect.</li><li>8. User has write access to the test case and should be able to see and clear the suspect link to the item.</li></ol>



Priority	Defect Description
Medium	<p><b>JC-BUG-1346</b> Search results tab icon is offset.</p> <p>Searching for an item gives you a search results tab. the search results icon is positioned incorrectly.</p>
Medium	<p><b>JC-BUG-1367</b> Import strips leading numbers from headings.</p> <p>During the import numbers are lost at the start of items names. Testing reveals that we strip all numbers all the time even if there is spacing or non-numeric values included. Also noticed that we don't check for Word numbering, only numbers. So if the document's requirements are identified with alpha characters (A, B, C) or roman numerals (I, II, III, IV) then these values are imported as part of the item's name. Ideally the system would be smart enough to know when Word numbering is used and eliminate those from the import. If this is not possible then we should probably have an "Include Numbering" option on the import.</p> <p>Examples:</p> <p>"24-bit Device ID. Factory set"</p> <p>"1.1 8 character minimum"</p> <p>"24/7 Support"</p> <p>Notes: This is a duplicate of JC-BUG-1362</p>
Low	<p><b>JC-BUG-1348</b> Review Center Comment Highlights: can't see who the author is without clicking on highlight.</p> <p>Should have some tooltips displaying "Comment by [Comment Author Name]".</p>
Low	<p><b>JC-BUG-1302</b> Cross-Project Filters</p> <p>Is it possible to create filters that span data across projects? One use case would be able to see all tasks assigned to me across all projects.</p> <p>Related Tickets: <a href="http://support.jamasoftware.com/tickets/803">http://support.jamasoftware.com/tickets/803</a></p> <p>Change Details: Contour filters were completely rebuilt. This defect no longer applies.</p>
Low	<p><b>JC-BUG-1304</b> A better method to recognize project structure via an item's ID.</p> <p>Suggested Item Keys: With 3 nested folders you would have an id of:</p> <p>"Set1-F1-F2-F3-REQ-12"</p> <p>Related Tickets: <a href="http://support.jamasoftware.com/tickets/832">http://support.jamasoftware.com/tickets/832</a></p> <p>Change Details: Contour hierarchy was completely rebuilt. This defect no longer applies. Keys are now unique between projects. The folder item type has been modified.</p>



Priority	Defect Description
Low	<p><b>JC-BUG-1343</b> Date field issues.</p> <ol style="list-style-type: none"><li>1. The Date Field even when set as not required will auto-populate with the current date and if cleared will use the date 12/31/1969.</li><li>2. The original entries from a date/createdate field in a Saved filter disappear when editing the filter.</li></ol> <p>Change Details: Contour filters were completely rebuilt. This defect no longer applies.</p>
Low	<p><b>JC-BUG-1342</b> Admins cannot unlock Folders from Show Locked Items view.</p> <p>Organization admins have the ability to unlock any Item within an organization by clicking on My Profile -&gt; Show Locked Items -&gt; Show All Locked Items. Currently users can lock folders but they do not show up in the Locked Items list.</p>
Low	<p><b>JC-BUG-1294</b> Item Types with Link Component: links in the link tab do not open on a single click.</p> <ol style="list-style-type: none"><li>1. Add a link in the link tab of an item that has a link component</li><li>2. Click the link in the link tab (nothing happens. It should open the link, preferably in new tab)</li><li>3. Ctrl+click works in only some browsers.</li></ol> <p>Related Ticket: <a href="http://support.jamasoftware.com/tickets/835">http://support.jamasoftware.com/tickets/835</a></p> <p>Notes: item type Components are now called Widgets.</p>
Low	<p><b>JC-BUG-1349</b> Review center reading pane line height is too cramped.</p> <p>Suggested Modification: increase the line height for better readability.</p>
Low	<p><b>JC-BUG-1291</b> Column Persistence: maintain column sorting orders.</p> <ol style="list-style-type: none"><li>1. Select a folder in a set.</li><li>2. In the explorer pane, click on a folder.</li><li>3. Add one or more columns (use the drop-down menu on the column). [Result: The added column(s) is/are displayed in the grid]</li><li>4. Switch to a different folder. [Result: Column(s) is/are no longer displayed]</li><li>5. Switch back to the first folder selected (first step). [Result: The column(s) previously added is still not displayed. Default column configuration is displayed.]</li><li>6. EXPECTED RESULT: Column configuration should remain in place for all folders until the user changes it.</li></ol> <p>Related Tickets: <a href="http://support.jamasoftware.com/tickets/512">http://support.jamasoftware.com/tickets/512</a></p> <p>Change Details: Contour now maintains personalized column settings.</p>



Priority	Defect Description
Low	<p><b>JC-BUG-1355</b> File Extension Security.</p> <p>End users can not configure their system to allow/deny additional access to attachment file extensions.</p> <p>We provide public access to only 3 image extensions: jpg, png, gif. This does not include: jpeg or bmp.</p> <p>Change Details: Fixed by making the list of extensions configurable through contour-service.xml. Added bmp, jpg, jpeg, tiff, and tif to the list.</p> <p>Note: tif and tiff extensions are still problematic.</p>

## Resolved Defects: Contour 3.0.1

Priority	Defect Description
Critical	<p><b>JC-BUG-1690</b> Baseline List Reports: Grabbing too much data.</p> <p>Running "Exports" from a baseline list prints out information from all over the system. A simple 5 item baseline will print all items, description of item types etc. in the project.</p>
High	<p><b>JC-BUG-1365</b> IE9: Review Center should allow IE9.</p> <p>I upgraded to IE9 and browsed around Contour. When clicking on review center the message states "IE7 or higher required". Browser check logic should allow IE9 for Review Center.</p>
High	<p><b>JC-BUG-1688</b> Modifying Field Layout for Review Center: Reading / Single Item View shows all fields.</p> <ol style="list-style-type: none"><li>1. From Administration perspective, select "Item Types."</li><li>2. Choose an Item Type and select "Configure View."</li><li>3. Change the dropdown at the top right to one of the Review Center views (reading or single item).</li><li>4. Make a change and Save.</li><li>5. In Review Center open or create a Review with at least one item of the type above.</li><li>6. Depending on which view you changed, either the Reading View or the Single Item View will show ALL fields instead of only the ones configured to show.</li></ol> <p>Note: if the user doesn't change the view setup, any existing views will work as migrated from 2.9.9 or prior. This bug only appears once the view is changed and saved.</p>



Priority	Defect Description
High	<p><b>JC-BUG-1689</b> Performing a “mysqldump” and Restore Fails After 3.0 Migration.</p> <ol style="list-style-type: none"> <li>In MySQL: upgrade from 2.9.9 or earlier to 3.0.</li> <li>Take a mysqldump of the data. “mysqldump -u root -p contour &gt; contour.sql”</li> <li>Delete the contour database.</li> <li>Create the contour database again (empty).</li> <li>Restore from the backup. “mysql -u root -p contour &lt; contour.sql”</li> <li>You will get an error regarding “duplicate key name.” This is caused by fieldlayout.viewId having a different case in the mysqldump. Here is the result of “show create table fieldlayout” in a 3.0 database:</li> </ol> <pre> CREATE TABLE `fieldlayout` (   `id` int(11) NOT NULL AUTO_INCREMENT,   `createdBy` int(11) DEFAULT NULL,   `createdDate` datetime DEFAULT NULL,   `modifiedBy` int(11) DEFAULT NULL,   `modifiedDate` datetime DEFAULT NULL,   `refId` int(11) DEFAULT NULL,   `scope` int(11) DEFAULT NULL,   `documentTypeId` int(11) DEFAULT NULL,   `viewId` int(11) DEFAULT NULL,   `fieldLayoutTypeId` int(11) DEFAULT NULL,   PRIMARY KEY (`id`),   KEY `FK3F0778A4E181EF2C` (`documentTypeId`),   KEY `FK3F0778A41A80FDAC` (`viewId`),   KEY `FK_fieldlayout_type` (`fieldLayoutTypeId`),   CONSTRAINT `FK3F0778A41A80FDAC` FOREIGN KEY (`viewId`) REFERENCES `jamaview` (`id`),   CONSTRAINT `FK3F0778A4E181EF2C` FOREIGN KEY (`documentTypeId`) REFERENCES `documenttype` (`id`),   CONSTRAINT `FK_fieldlayout_type` FOREIGN KEY (`fieldLayoutTypeId`) REFERENCES `fieldlayouttype` (`id`) ) ENGINE=InnoDB AUTO_INCREMENT=51 DEFAULT CHARSET=utf8 </pre> <p>Notice the different casing of “viewId.” It is lowercase for the column name and first KEY, and “viewId” for the FOREIGN KEY.</p>



Priority	Defect Description
High	<p><b>JC-BUG-1689 (Continued from last page)</b> Performing a “mysqldump” and Restore Fails After 3.0 Migration.</p> <p>This can easily be reproduced by alter table directly.</p> <ol style="list-style-type: none"><li>1. Connect to a 2.9.9 database.</li><li>2. Execute “show create table fieldlayout” and notice the casing.</li><li>3. Execute “alter table fieldlayout modify viewid int null” to make the column nullable (this is what we execute during patching). It is important that “viewed” is lowercase in the statement above.</li><li>4. Execute “show create table fieldlayout” again and see the casing.</li></ol> <p>This bug only affects MySQL 5.1.51 and lower.</p> <p>See <a href="http://dev.mysql.com/doc/refman/5.1/en/news-5-1-52.html">http://dev.mysql.com/doc/refman/5.1/en/news-5-1-52.html</a> (the last release note) for the description of the bug.</p> <p>Easy workaround: Update the sql backup file, and make all the “viewid” have an uppercase I (viewId).</p>
High	<p><b>JC-BUG-1368</b> Import: “Save Mapping” Button Disappears.</p> <p>Resizing the browser and/or changing zoom causes the “Save Mapping” button on import to disappear.</p> <ol style="list-style-type: none"><li>1. In IE8, with zoom at 100%, login to Contour.</li><li>2. Import a document. At the mapping step, change the zoom to 125%.</li><li>3. Continue the import.</li><li>4. Step 4 is missing the “Save Mapping” button.</li></ol> <p>Related to Ticket: <a href="http://support.jamasoftware.com/tickets/966">http://support.jamasoftware.com/tickets/966</a></p>
High	<p><b>JC-BUG-1691</b> Jama Import Relationships Plugin: assign default relationship type.</p> <p>The import relationship plugin does not assign a default relationship type (null) during an import. The plugin should use the system pick list default value.</p>
High	<p><b>JC-BUG-1359</b> Dialogs not Conforming to Browsing Window.</p> <p>Lower resolution laptops with one or two browser bars lose the controls for dialogs. The biggest issue involves the Import Wizard. The Review Center wizard’s main issue is that it is big and not resizable. There should be a minimal limit but the currently expected minimum resolution requires users to have their browser maximized and with no extraneous browser bars enabled.</p>



Priority	Item details
High	<p><b>JC-BUG-1351:</b> <i>Image Uploads – File Name Space Checking.</i></p> <p>When uploading images and/or other attachments Contour does not check for spaces in the name. Upon generating PDF reports, images with spaces will not display correctly.</p> <p>Related Ticket: <a href="http://support.jamasoftware.com/tickets/760">http://support.jamasoftware.com/tickets/760</a></p>

## Resolved Defects: Contour 3.0.2

Priority	Item details
Critical	<p><b>JC-BUG-1695:</b> <i>JIRA Connector: Sync location for Contour saves bad Contour location.</i></p> <ol style="list-style-type: none"> <li>1. Open Administration -&gt; JIRA Connector</li> <li>2. Add Connection Settings</li> <li>3. Add Project</li> <li>4. Add sync location, specify a project for Contour location, then choose any Item Type and JIRA type</li> </ol> <p>Upon saving, the sync location saves a bogus Contour location that prevents syncing any items in the real project specified.</p>
Critical	<p><b>JC-BUG-1698:</b> <i>Can't edit system reports from root login.</i></p> <ol style="list-style-type: none"> <li>1. Login as root and go to Reports tab</li> </ol> <p>Clicking Edit for any System reports, or any system-controlled Organization reports</p> <ol style="list-style-type: none"> <li>2. Can't save any changes</li> </ol>
Critical	<p><b>JC-BUG-1701:</b> <i>Baseline issues.</i></p> <p>Reports from baselines do not display Word styles correctly. All output displays as normal text (run from the reading view).</p>
Critical	<p><b>JC-BUG-1707:</b> <i>Change Request Impact Analysis broken.</i></p> <p>Attempting to open the Impact Analysis window from a change request fails to load entirely.</p>
Critical	<p><b>JC-BUG-1721:</b> <i>Delete Project fails to delete document_attachment and attachment records.</i></p> <p>When deleting a project, which utilizes attachments in a specific way, there are foreign key constraint issues with the document_attachment table.</p>

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Priority	Item details
Critical	<p><b>JC-BUG-1723:</b> <i>Delete project fails with old signature_baselineID associations still existing.</i></p> <p>When changing Signature.baseline to be Signature.scopeld and Signature.refld, we didn't null out the baselineld column. This means when Signature records get deleted the foreign key constraint fails since it still points at the baseline.</p>
Critical	<p><b>JC-BUG-1725:</b> <i>Delete project fails if documents exist in certain order in database.</i></p> <p>Our DeleteHelper tried to delete all the documents of a project by deleting the root documents and letting them recursively delete. The problem is, we still search for "root docs" by their parentDocumentId, which is now a deprecated process with the node hierarchy.</p>
Critical	<p><b>JC-BUG-1729:</b> <i>Large database upgrade performance.</i></p> <p>For large database upgrading to Contour 3.0 the upgrade eventually halts after several hours in the patching process. The user is presented with a timeout error.</p>
High	<p><b>JC-BUG-1699:</b> <i>LDAP email sends incorrect password.</i></p> <p>When LDAP integration in Contour is active and the admin creates a new user from the LDAP directory, if the admin sends an email to the user the email which is generated from Contour does not know about LDAP and therefor sends an email referencing the password in Contour which is not the same as the LDAP password.</p> <p>This results in users attempting to login using the incorrect password and locking themselves out of LDAP after 3 tries.</p>
High	<p><b>JC-BUG-1702:</b> <i>Office Template Report – editable item header.</i></p> <p>Added templates "FOLDERHEADER" and "ITEMHEADER" to make headers customizable for Word exports. If these templates aren't specified, the existing defaults are used (folders have just name, items have key and name).</p>
High	<p><b>JC-BUG-1703:</b> <i>List View – improperly forcing mixed list view.</i></p> <p>When a user clicks on a Set they expect to see all of the columns that have been configured for the Set's item type. If one or more text items are included in the Set then the system shows the mixed item type list view and it is not clear to the user why they can only get the item type list by default (when they jump to the list configure option they don't see the item type's columns).</p> <p>Folders do not affect the list and neither should text items.</p> <p>After further review discovered that the system handles folders and text items as expected in a list (all columns for item type displayed).</p>

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Priority	Item details
	<p>(Continued from last page) Instead, the system switches to mixed view incorrectly.</p> <ol style="list-style-type: none"><li>1. Start with CoveragePlus.</li><li>2. Open "Core Product" and click on "Requirements" – you should see columns defined for the Requirements item type; folders and text items have no values in those fields.</li><li>3. Open Requirements and click on Interfaces - should see columns defined for Requirements, sub-folders have no values in those fields.</li></ol>
High	<p><b>JC-BUG-1709:</b> <i>Created-by and modified-by fields are no longer predefined options.</i></p> <p>These fields were removed from the item type predefined fields list. Users can still show them in the list and filter on the values, but many customers want to show these values in the item detail screen as well:</p> <p>created by, created date, modified by, modified date</p>
High	<p><b>JC-BUG-1713:</b> <i>Component Home and List icons stacked vertically on IE8.</i></p> <p>In IE8, click on a Component.</p>
High	<p><b>JC-BUG-1717:</b> <i>Bidirectional report &amp; Trace report only showing upstream relationships.</i></p> <p>The document ID that was put into a query to retrieve downstream relationships was incorrectly set to string instead of integer.</p>
High	<p><b>JC-BUG-1728:</b> <i>Import – save and select mapping – ‘Error DWR Proxy 0.’</i></p> <p>During an import, saving the mappings results in a ‘Error DWR Proxy 0’ error. This is caused by the limitation of the database field size to store the mapping information.</p> <p>A mapping with too much information will be truncated in the database causing the error noted to appear when attempting to save and/or open a saved mapping.</p>
High	<p><b>JC-BUG-1733:</b> <i>Export to list of sub-items to Excel doesn’t recognize configured columns.</i></p> <ol style="list-style-type: none"><li>1. Convert a folder to an item so that it has sub-items if one doesn’t already exist.</li><li>2. Open the item in a tab and view the sub-items in the list view.</li><li>3. Add some columns to the list view.</li><li>4. Export to Excel.</li><li>5. Excel will open with Item Type, Locked, ID, and Name columns only.</li></ol>
High	<p><b>JC-BUG-1736:</b> <i>Duplicate set and item failure.</i></p> <ol style="list-style-type: none"><li>1. Attempt to duplicate the default Features set in the CoveragePlus project.</li><li>2. Add a prefix, check 1st relationships box.</li></ol>

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Priority	Item details
	<ol style="list-style-type: none"><li>3. Fails with error: "Error: Invalid document location. Set of Requirements cannot be under Folder of Features... Please examine logs."</li></ol>
Medium	<p><b>JC-BUG-1719:</b> <i>Choosing the "Email Link" option gives bad URL for some mail clients.</i></p> <p>Users will now be presented with a window where they can copy and paste the URL or choose to have it auto-populate in their default mail client.</p>
Medium	<p><b>JC-BUG-1724:</b> <i>Import – formatting or section break dumps second part of document into 1 Item.</i></p> <p>Using a document with several items and a section break within the document:</p> <ol style="list-style-type: none"><li>1. Import once and everything from the section break should be lumped into 1 item.</li><li>2. Show hidden formatting in Word doc and remove the section break.</li><li>3. Reimport. This should successfully import.</li></ol>
Medium	<p><b>JC-BUG-1727:</b> <i>BIRT ClassCastException for items with comments in rich-text-editor.</i></p> <p>Exporting to PDF fails if an item has HTML comments inside &lt;table-&gt; or &lt;tbody-&gt; elements. Unfortunately, Aspose appears to add these comments when importing in certain situations. However, this also breaks if the user manually adds HTML comments in tables.</p>
Medium	<p><b>JC-BUG-1738:</b> <i>Web Services error using current project smart filter.</i></p> <p>There is a Null Pointer error thrown when attempting to get results of a saved Smart Filter from the Web Services.</p>
Low	<p><b>JC-BUG-1718:</b> <i>Excel Export – 32k cell size limit.</i></p> <p>Excel export fails for certain sets where items contain fields with more than 32k data.</p> <p>To reproduce:</p> <ol style="list-style-type: none"><li>1. Add description field to the grid.</li><li>2. Create an item with description content length -&gt; = 32768</li><li>3. Export the grid content as Excel.</li></ol> <p>Solution:</p> <p>On export, truncate fields larger than 32k and prepend "!!TRUNCATED: " to the output of the field.</p> <p>On round-trip import, never override fields with either of the following:</p> <ol style="list-style-type: none"><li>1. More than 32k of data in the field currently stored in the database.</li><li>2. Have the string "!!TRUNCATED: " starting their field taken from the Excel sheet.</li></ol>



## Resolved Defects: Contour 3.0.3

Priority	Item details
Critical	<p><b>JC-BUG-1771:</b> <i>Review Center: quick publish broken.</i></p> <p>Introduced with Contour 3.0.2, users can no longer do a “quick publish” for a new revision in Review Center. It hangs with a LazyInitializationException shown in the logs.</p> <p>Upon saving, the sync location saves a bogus Contour location that prevents syncing any items in the real project specified.</p>
High	<p><b>JC-BUG-1772:</b> <i>Review Center: item headings (sequence) no longer displayed or ordered correctly.</i></p> <p>Any new Review in Contour 3.0.2 created from a subtree via explorer (that is, where sequence is shown and ordered by) does not contain its sequence in the review. Moreover, clicking into the single item view shows the word “null”. This also is causing the ordering of the items to appear sporadic, as they are intended to be ordered by sequence, but the information isn’t there.</p>

## Resolved Defects: Contour 3.0.4

Priority	Item details
Critical	<p><b>JC-BUG-1793:</b> <i>Copy Project leaves numbering for document key starting at 1 which can lead to duplicate document keys.</i></p> <p>Steps to reproduce:</p> <ul style="list-style-type: none"><li>• Copy a project with at least one set containing one or more non-text item under the set.<ul style="list-style-type: none"><li>• Example: 2 requirements under Project A: PROJA-REQ-1 and PROJA-REQ-2.</li></ul></li><li>• Note that the new project has the items with the correct numbering, but when you add a new non-text item the numbering starts at 1 which leads to duplicate document keys.<ul style="list-style-type: none"><li>• Example: After copying, get 2 requirements PROJ-REQ-1 and PROJ-REQ-2. Then after adding a new requirement, the new requirement has a duplicate document key PROJ-REQ-1.</li></ul></li></ul>

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Priority	Item details
Medium	<p data-bbox="414 378 1388 405"><b>JC-BUG-1794:</b> <i>Delete item does not create delete relationship activities for related items,</i></p> <p data-bbox="414 430 625 457">Steps to reproduce:</p> <ul data-bbox="414 472 1388 682" style="list-style-type: none"><li data-bbox="414 472 1015 499">• Pick an item that has a relationship to a second item.</li><li data-bbox="414 520 673 548">• Delete the first item.</li><li data-bbox="414 569 966 596">• Open the second item and open the Activity tab.</li><li data-bbox="414 617 1388 682">• Note that there is no activity for the deleted relationship resulting from deleting the first item.</li></ul>