

integrity lifecycle manager

Release Notes

11.1

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Integrity Lifecycle Manager 11.1 Release Notes

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- These release notes contain information you should read before installing and running Integrity Lifecycle Manager 11.1. The information includes lists of fixed issues and general notes; all of which are grouped by functional areas.
- For the most recent copy of the release notes, refer to the PDF version that is available from the PTC Integrity eSupport portal at http://www.ptc.com/support/integrity.htm. You can also view Integrity Lifecycle Manager guides and current information on supported Integrity Lifecycle Manager product versions, platforms, Web browsers, databases, and Integrity Lifecycle Manager integrations.
- The "Fixed Issues" and "Known Issues" sections include Integrity Lifecycle
 Manager reference numbers for all fixed and known issues in the summary
 title. When you report a particular issue, you are notified when it is fixed.
 The "General Notes" section contains important information on upgrading,
 compatibility, and deprecated features.
- PTC recommends full testing, planning, and preparation for the upgrade. The time it takes to upgrade may increase over previous releases. For more information, see the *Integrity Lifecycle Manager Installation and Upgrading Guide* available in the PTC Integrity eSupport portal.
- In each Integrity Lifecycle Manager release, some new features require changes to ViewSets that can make ViewSets edited with a newer Integrity Lifecycle Manager client incompatible with older Integrity Lifecycle Manager

- clients. When publishing ViewSets to an environment where some clients have not been upgraded, ensure those ViewSets do not have an adverse impact on users of clients from previous releases. For example, it is not recommended that a ViewSet from the current release be configured as mandatory for a user of a legacy client, even if that version of the client is supported for connecting to the current release of the Integrity Lifecycle Manager server.
- In the *Integrity Lifecycle Manager Help Center*, context-sensitive content is linked from help links in the user interface. Most of this content is localized. However, not all content is available in every language. As a result, you can expect to find mixed English and localized content if you are accessing a localized version of Integrity Lifecycle Manager.

Included Hotfixes: Integrity Lifecycle Manager 11.1

This release of Integrity Lifecycle Manager includes changes from hotfixes that were released for previous versions of Integrity Lifecycle Manager.

Client Hotfixes

The following hotfix applies to the Integrity Lifecycle Manager client, and is included in this release:

Hotfix ID Number	CS Article ID	Issue Summary
HF-S150000000-020	CS249954	The Integrity Lifecycle Manager client fails to match the host name to the Common Name (CN) of the ISAM server certificate when
		connecting to the Integrity Lifecycle Manager server.

Server Hotfixes

The following hotfixes only apply to the Integrity Lifecycle Manager server, and are included in this release:

Hotfix ID Number	CS Article ID	Issue Summary
HF-S140000001-042	CS177058	Source Trace and Source
		Link fields cannot be
		displayed on Integrity
		Lifecycle Manager client
		in English if user
		previously changed
		columnset for source
		trace field in Japanese
		Client
HF-S140000001-034	CS247361	Integrity Lifecycle
		Manager Web Services
		session times out while
		commands are running

Hotfix ID Number	CS Article ID	Issue Summary
HF-S140000001-047	CS255644	Unable to view a subproject As Of for newly created variant subprojects in Integrity Lifecycle Manager
HF-S160000000-009	CS255073	Null pointer exception occurs when a specific project structure is shared and checkpointed

Client and Server Hotfixes

The following hotfixes apply to both the Integrity Lifecycle Manager client and server, and are included in this release:

Hotfix ID Number	CS Article ID	Issue Summary
HF-S140000001-045	CS246566	Integrity Lifecycle Manager server appears unresponsive when running the locate command with a blank value for certain options
HF-S140000001-046	CS245299	Adding a subproject into a variant subproject command fails and an error message is displayed
HF-S140000001-048	CS225472	Sudden Integrity Client shutdown during a revision contents transfer locks the Bulk Data Cache (BDC) file, and if removed, the BDC file cannot be added back unless the server is restarted
HF-S150000000-022	CS234338	Integrity Lifecycle Manager client and administration client GUI experiences problems when rendering IPT

Hotfix ID Number	CS Article ID	Issue Summary
		images from Integrity
		Lifecycle Manager server
		configured for ISAM
		authentication scheme
HF-S150000000-023	CS252504	When Integrity Lifecycle
		Manager server is
		configured for ISAM
		authentication scheme,
		Gateway experiences
		problems when trying to
		export documents with
		server-side template
HF-S150000000-026	CS252509	Java AssertionError
		displayed when
		propagating traces in a
		document that contains
		traces between content
		items and non-document
		items
HF-S160000000-002	CS249064	Enabling Edit multiple
		rows before saving in
		Document view causes
		performance issues

FSA Proxy Hotfixes

There are no hotfixes that apply to FSA Proxy servers in this release.

Fixed Issues: Integrity Lifecycle Manager 11.1

Server Configuration and Administration: Integrity Lifecycle Manager 11.1 Fixed Issues

The following issues have been fixed for Server Configuration and Administration in Integrity Lifecycle Manager 11.1.

When the im types command is used with certain fields options, results are not displayed

When the im types command is used with the any of the following options, the results of the command are not displayed:

- --fields=additionalLockFieldsRule
- --fields=lockingRequiredRule
- --fields=majorRevision
- --fields=minorRevision

As of Integrity Lifecycle Manager 11.1, results are displayed correctly when these options are used.

For more information, see article CS206520 in the PTC Integrity eSupport portal.

LocalServer memory leaks occur if an ACL exception occurs during SI session creation

If the login permission on the mks:si ACL permission is set to Deny, a memory leak occurs when there is an attempt to create a new SI session. Additionally, if the logging level is set to DEBUG, a large number of server log entries are added. These entries cause useful log data that appeared earlier in the log to be removed.

As of Integrity Lifecycle Manager 11.1, memory leaks no longer occur in this scenario.

For more information, see article CS246559 in the PTC Integrity eSupport portal.

When the CopyDB tool is used to copy a database with more than 100,000 rows in the CMREVISION table from SQL to Oracle, some revisions are not copied

When the CopyDB tool is used to copy a database with more than 100,000 rows in the CMREVISION table from SQL to Oracle, some revisions are not copied. The missing rows are duplicate revisions or revisions that were checked in without any changes. When this happens, errors such as the following appear:

- "<member name>: Missing revision x.x.x.x in delta derivation"
- "<member name>: MKS125446: The revision x.x.x.x does not exist (anymore)"

As of Integrity Lifecycle Manager 11.1, all revisions are copied successfully.

For more information, see article CS216548 in the PTC Integrity eSupport portal.

Users are not able to edit some versioned item fields after upgrade

During an upgrade to Integrity Lifecycle Manager 11.0, the existing **Version Edit Fields** list (for all Node and Segment types on the **Document Model** panel of the **Edit Type** dialog) is replaced with the Version Description field as the only list entry. The consequence of that change is that users are only able to make edits to versioned items using the Version Description field.

As of Integrity Lifecycle Manager 11.1, the issue has been corrected.

For more information on this issue, see article CS248450 in the PTC Integrity eSupport portal.

Newly introduced Versions field causes performance issues when Edit multiple rows before saving is enabled in the Integrity Lifecycle Manager Document view

The newly introduced Versions field in 11.0 causes performance issues when the **Edit multiple rows before saving** feature is enabled in the Integrity Lifecycle Manager Document view.

As of Integrity Lifecycle Manager 11.1, the performance of the Integrity Lifecycle Manager Document view with the **Edit multiple rows before saving** feature enabled, is improved.

For more information, see article CS249064 in the PTC Integrity eSupport portal.

On Integrity Lifecycle Manager servers running the Oracle database, performing certain tasks result in locking a few tables

After performing the following tasks on Integrity Lifecycle Manager servers, some Oracle database tables are locked for a long time blocking other database-related tasks.

- Database schema migration
- Deleting a field
- Failed admin staging migration (resulting in columns being dropped from tables)

This is caused while attempting to remove additional fields/columns that were added during those operations. The Integrity Lifecycle Manager server does not remove the columns from the database, but marks the columns as unused, to be removed manually at a later time.

To permanently remove the columns, database administrators can use one of the following methods to completely remove unused columns from tables:

- Run the ALTER TABLE DROP UNUSED COLUMNS Oracle command
- Run the im diag --diag=removeunusedcolumns -- Integrity Lifecycle Manager command. This command can be used by any

Integrity Lifecycle Manager administrator, not necessarily a database administrator.

For more information, see article CS90261 in the PTC Integrity eSupport portal.

Source Trace and Source Link fields cannot be displayed on the Integrity Lifecycle Manager client for other languages if the Column Set for Source Trace and Source Link fields is configured for a particular language

Source Trace and Source Link fields cannot be displayed on the Integrity Lifecycle Manager client for other languages if the **Column Set** for the Source Trace field in the Integrity Lifecycle Manager client has been configured for a particular language.

As of Integrity Lifecycle Manager 11.1, the Source Trace and Source Link fields are correctly displayed on the Integrity Lifecycle Manager client for all other languages irrespective of any modifications done to the **Column Set** for the fields for a particular language.

For more information, see article CS177058 in the PTC Integrity eSupport portal.

While converting an Integrity Lifecycle Manager source archive to binary, the line terminators are not retained

When a file is converted from text to binary using the CLI command si updatearchive—archiveType=binary, the line terminators are not retained. Only line feed is retained in all the revisions. The line terminators are not retained even if the policy in the Admin Client Preserve Line Terminators in Text Archives If Consistent is selected.

As of Integrity Lifecycle Manager 11.1, the issue is resolved and the line terminators are retained when a file is converted from text to binary using updatearchive command.

For more information, see article CS211053 in the PTC Integrity eSupport portal.

When there is a trigger that assigns a value to a field with a type of User or Project, an error occurs when the field configuration is edited

If there is an Assignment trigger that assigns a value to a field with the type **User** or **Project**, a null pointer exception occurs when the configuration of the field is edited. This issue can also occur when modifying field-specific settings on a type that causes a field configuration to be changed, such as overrides for fields.

As of Integrity Lifecycle Manager 11.1, the issue is resolved and the null pointer exception no longer occurs.

For more information, see article CS251270 in the PTC Integrity eSupport portal.

Integrity Lifecycle Manager Web Services session times out while commands are running

An Integrity Lifecycle Manager Web Services session times out after being idle for 1 hour, even if a command is still running in that session. If the timeout occurs while a command is running, clean-up remains incomplete, which may cause memory leaks leading to a server crash.

As of Integrity Lifecycle Manager 11.1, Web Service sessions do not timeout if commands are running in the sessions. With the addition of a new property, mksis.webservices.idleTimeout, located in the Integrity Lifecycle Manager administration client under Configuration > Properties, users can adjust the Web Services timeout interval.

For more information, see article CS247361 in the PTC Integrity eSupport portal.

The signature required trigger should apply only to the target and not to the related item

When creating or editing an item, the signature required trigger adds the signature information to the created or edited item. If a related item is created during the same create or edit operation, the signature information gets added to the related item as well. The signature information should not get added to the related item as it may not match the trigger rule.

As of Integrity Lifecycle Manager 11.1, the issue is resolved and the signature information is not added to the related item.

For more information, see article CS190740 in the PTC Integrity eSupport portal.

For languages other than English, Integrity Lifecycle Manager does not accept inputs in the respective foreign languages in the command line interface

Users running a CLI command in a foreign locale must enter their confirmations (Y/N) in the English language instead of their foreign locale. For example, while running the isutil command in German locale, Integrity Lifecycle Manager displays the following prompt:

Möchten Sie wirklich fortfahren [J/N]?j

The user must enter "Y" or "N" even if the prompt displays "J" or "N".

As of Integrity Lifecycle Manager 11.1, regardless of the foreign locale, the confirmation prompts are displayed in the English language and users must enter input in the English language. For example, running the isutil command in German locale will now display Möchten Sie wirklich fortfahren [Y/N]?. This change is applicable only to the following commands:

- isutil -c imdbdestroy
- isutil -c generateserversalt

- isutil -c setcacherestartaction
- encryptPassword

For more information, see article CS241209 in the PTC Integrity eSupport portal.

Unable to view a subproject As Of for newly created variant subprojects in Integrity Lifecycle Manager

As of Integrity Lifecycle Manager 11.0, it is unable to view a subproject **As Of** for newly created variant subprojects. Also, the following scenarios were verified in respect to subprojects –

- 1. A user creates a sandbox **As Of** with a sub-project where the development path was removed. In this case, the sandbox is created without the sub-project, thus containing the wrong content.
- 2. A user performs **As Of** on a recreated development path prior to its new creation date. In this case, an error message is not displayed and the operation is allowed.
- 3. A user performs open project **As Of** with a sub-project where the development path was removed. In this case, neither the sub-project nor an error or warning message is displayed.
- 4. A user performs **As Of** on an open project or a check point project on a newly created variant sub project. In this case, incorrect results are displayed.
- 5. A user performs **As Of** on an open project/subproject on a development path with a date preceding the creation date of the development path. In this case, the results for the current date are displayed.

As of Integrity Lifecycle Manager 11.1, an error is displayed, if a user –

- Performs view project/checkpoint project As Of on a recreated or dropped development path.
- Performs create sandbox **As Of** with a sub-project on a dropped development path and tries to access the sub-project.
- Performs open project **As Of** with a sub-project on a dropped development path and tries to access the sub-project.
- Performs **As Of** on an open project or check point project on a newly-created variant subproject.
- Performs **As Of** on an open project/subproject on a development path, with a date preceding the creation date of the development path.

For more information, see article CS255644 in the PTC Integrity eSupport portal.

After restart, Integrity Lifecycle Manager client clears the existing log of the client

As of Integrity Lifecycle Manager 11.1, this issue is fixed.

For more information, see article CS84812 in the PTC Integrity eSupport portal.

Note

You can edit default value for maximum file size of IntegrityClient.log and maximum number of log files that will be stored. For more information on the IntegrityClient.log file, see Integrity Lifecycle Manager Installation and Upgrading Guide.

Integrity Lifecycle Manager server appears unresponsive when running a locate command with a blank value for certain options

When you try to run a locate command with a blank value for options memberbyname or subprojectbyname, the query is not completed successfully. This is because the entire repository is scanned, and consequently the server becomes unresponsive.

As of Integrity Lifecycle Manager 11.1, this issue is resolved as follows:

- If projectscope is set to the value this, the query is successful even if the option member by name or subproject by name is blank, or is followed by an asterisk (*).
- If projectscope is not set to value this, and the option memberbyname/subprojectbyname locate is blank or is followed by an asterisk (*), the query fails and the following error message is displayed:

MKS124814: Cannot show view information: MKS6227033: Please specify a name to be located or reduce Project Scope to This Project.

For more information, see article CS246566 in the PTC Integrity eSupport portal.

Software Configuration Management: Integrity Lifecycle Manager 11.1 Fixed Issues

The following issues have been fixed for Software Configuration Management in Integrity Lifecycle Manager 11.1.

The Project History view in the Integrity Lifecycle Manager client GUI does not highlight the current project configuration for a selected project

When opening the **Project History** view in the Integrity Lifecycle Manager client GUI for a selected project, the view does not highlight the latest checkpoint of the current project configuration. Consequently, you need to scroll through the **Project History** view for locating the last checkpoint of the current project configuration for projects that have multiple development paths.

As of Integrity Lifecycle Manager 11.1, when you open the **Project History** view for a selected project, the view highlights the latest checkpoint of the selected project.

For more information, see article CS179607 in the PTC Integrity eSupport portal.

Users unable to log in to the client after changing their passwords

After changing their passwords in the Active Directory, users have to restart the client to log in.

As of Integrity Lifecycle Manager 11.1, the issue that caused users to restart the client after changing their password to log in has been resolved.

For more information, see article CS84787 in the PTC Integrity eSupport portal.

Dragging and dropping a file from a mapped drive into a sandbox deletes the file on the disk

When a file is dragged and dropped from a mapped drive into a sandbox, the operation fails and the file on the disk gets deleted.

As of Integrity Lifecycle Manager 11.1, the problem is resolved. The original file on the mapped drive is retained even after adding it into a sandbox view by drag and drop operation.

For more information, see article CS252507 in the PTC Integrity eSupport portal.

Sharing a subproject using the si sharesubproject command results in unexpected behaviour

The following issues occur when sharing a subproject using the si sharesubproject --project=<configuration path> --sharedProject=<configuration path> <project name> command in the Integrity Lifecycle Manager CLI:

• Error occurs when sharing a normal subproject into a variant subproject.

For example:

```
si sharesubproject --project=#c:/xy#xy_sub1#d=dev_
for_sub1 --sharedProject=#c:/xy#xy_sub1/xy_sub1_sub1
test vane/project.pj
```

results in the following error:

MKS125226: The development path dev_for_sub1 does not exist in the specified project. $c:/xy/xy_sub1/xy_sub1/project.pj$

• A build subproject is shared as a normal project when sharing the build subproject into a normal subproject.

For example:

```
si sharesubproject --project=#c:/xy --sharedProject=
#c:/xy#xy_sub1/xy_sub1_sub1#b=1.2 test_vane/
project.pj
```

As of Integrity Lifecycle Manager 11.1, these issues do not occur when using the si sharesubproject command in Integrity Lifecycle Manager CLI. A normal subproject can be successfully shared into a variant project. A build subproject can be successfully shared as a build subproject into a normal subproject.

For more information, see article CS245299 in the PTC Integrity eSupport portal.

Null pointer exception occurs when a specific project structure is shared and checkpointed

A null pointer exception can occur after the following sequence of events:

- 1. A project containing a normal subproject is shared as a Default type configuration into another project.
- 2. This project structure is checkpointed.
- 3. The project structure is then shared as a Build type configuration into another project.
- 4. The resulting project structure is checkpointed.

For example, checkpointing the top-level project P1 in the following project structure results in a null pointer exception.

```
P1 (1.1)
|___SharedP2(1.2)
|___SharedP3(1.2)
| P3Sub(1.1)
```

As of Integrity Lifecycle Manager 11.1, this issue is fixed and the null pointer exception does not occur when checkpointing such project structure.

For more information, see article CS255073 in the PTC Integrity eSupport portal.

Sudden shutdown of Integrity Lifecycle Manager client locks the Bulk Data Cache (BDC) file and if removed, the BDC file cannot be added back

If an Integrity Lifecycle Manager client is suddenly shut down when transfer of revision contents is in progress, the bulk data cache file (especially a large file) being transferred is locked. If the bulk data file is removed from the bulk data cache, it cannot be added back unless the server is restarted. This can later restrict users from creating or resynchronizing sandboxes for this specific revision.

As of Integrity Lifecycle Manager 11.1, the BDC file is not locked if the Integrity Lifecycle Manager client is suddenly shut down during transfer of revision contents.

For more information, see article CS225472 in the PTC Integrity eSupport portal.

Workflows and Documents: Integrity Lifecycle Manager 11.1 Fixed Issues

The following issues have been fixed for Workflows and Documents in Integrity Lifecycle Manager 11.1.

Grid lines do not appear in chart graphs

Grid lines do not appear in the graph for a chart when the **Show Gridlines** option is selected for the horizontal axis, vertical axis, or both.

As of Integrity Lifecycle Manager 11.1, grid lines appear on chart graphs as expected when one or both of the **Show Gridlines** options is selected.

For more information, see article CS232741 in the PTC Integrity eSupport portal.

Dashboards are not displayed correctly in if the legend has a long text entry

If there is a long entry in the legend for a chart in a dashboard, not all of the text is shown in the chart legend.

As of Integrity Lifecycle Manager 11.1, the width of the legend is adjusted to accommodate the length of the entries in the legend.

For more information, see article CS235448 in the PTC Integrity eSupport portal.

When viewing an item fields trend chart in the web interface, dates are shifted by one day

When viewing an item fields trend chart in the workflows and documents web interface, dates are shifted by one day. This occurs when the Integrity Lifecycle Manager server and client are set to different time zones.

As of Integrity Lifecycle Manager 11.1, the item fields trend chart shows the correct dates regardless of the time zones of the Integrity Lifecycle Manager server and client.

For more information, see article CS250695 in the PTC Integrity eSupport portal.

View Differences action is not available in custom right-click menu

The Integrity Lifecycle Manager Help Center says: "To customize the right-click shortcut menu, right-click on a document node and select **Customize This Menu**. Click Add Action. Select Workflows and Documents/Item and then select View Differences." However, the View Differences action is not available in the custom right-click menu.

As of Integrity Lifecycle Manager 11.1, the View Differences action is available in the custom right-click menu.

For more information, see article CS245355 in the PTC Integrity eSupport portal.

When exporting a document from Integrity Lifecycle Manager, Gateway uses the default server specified in the client preferences instead of the current server

When a Integrity Lifecycle Manager client is connected to multiple Integrity Lifecycle Manager servers, Gateway exported the document with the same ID from the default server specified in the client preferences. Though the current view used the non-default server, Integrity still considered the default server for the export operation. Consequently, incorrect document was exported.

In Integrity Lifecycle Manager 11.1, the Gateway Export Wizard now selects the server from the current view that launches the wizard. Hence the document available on the current server is exported. If no view is open, Gateway selects the default server specified in the client preferences.

Note

Information of the server that exports the content is displayed in the title bar of the Gateway Export Wizard in the following format:

Integrity Gateway Export Wizard - <username>@<hostname>:<port>

For more information, see article CS165424 in the PTC Integrity eSupport portal.

When reimporting Microsoft Word documents containing linked OLE objects, Gateway indicates the documents are changed even if they are unchanged

When reimporting Microsoft Word documents that contain linked OLE objects, Gateway indicates the documents are changed even if they are unchanged.

As of Integrity Lifecycle Manager 11.1, the issue that caused Gateway to indicate unchanged Microsoft Word documents that contain linked OLE objects as changed is now fixed.

For more information, see article CS250927 in the PTC Integrity eSupport portal.

Content is rendered incorrectly in rich text fields after importing a Microsoft Word document that contains Symbol fonts

After importing a Microsoft Word document that contains Symbol fonts to Integrity Lifecycle Manager client GUI, the text next to the symbols is rendered incorrectly in the rich text fields.

As of Integrity Lifecycle Manager 11.1, this issue no longer occurs. The content having the Symbol fonts is rendered correctly in the rich text fields of the Integrity Lifecycle Manager client GUI after importing such a Microsoft Word document.

For more information, see article CS250849 in the PTC Integrity eSupport portal.

Tables inserted in rich text fields contain a non-breaking space in the table cells

When inserting a table in a rich text field, the table cells do not remain empty. Each table cell of the inserted table contains a non-breaking space.

As of Integrity Lifecycle Manager 11.1, when a table is inserted in a rich text field, the table cells do not contain a non-breaking space.

For more information, see article CS150557 in the PTC Integrity eSupport portal.

Users unable to open historical members with changed file extension

When users attempt to open a historical member which has its file extension changed in later revisions, Integrity Lifecycle Manager displays an error.

As of Integrity Lifecycle Manager 11.1, users can now open historical members that have their file extensions changed in the later revisions.

For more information, see article CS254579 in the PTC Integrity eSupport portal.

Error when copying dropped content from a historical document to the current document

Copying dropped content from a historical document and pasting that content into the current document can fail and return the following error:

mks.ci.exception.NoParentException: MKS124717: The specified <item ID> does not have a parent.

As of Integrity Lifecycle Manager 11.1, the operation succeeds without error.

For more information, see article CS247458 in the PTC Integrity eSupport portal.

When switching ViewSets connected to multiple Integrity Lifecycle Manager servers, incorrect item types are displayed while creating an item

When switching ViewSets connected to multiple servers with different item types, selecting **Item Create** displays an incorrect list of item types. This occurs as the list of item types is fetched from the default server instead of the current server to which the ViewSet is connected.

As of Integrity Lifecycle Manager 11.1, even after switching ViewSets, the list of item types that can be created are displayed from the current server to which the ViewSet is connected.

For more information, see article CS249151 in the PTC Integrity eSupport portal.

The queries list becomes unresponsive under certain rare conditions

In the Integrity Lifecycle Manager client, the list from which users select and run their queries becomes unresponsive under certain rare conditions.

As of Integrity Lifecycle Manager 11.1, this issue has been resolved.

For more information, see article CS257286 in the PTC Integrity eSupport portal.

Versions field can slow the Document view and queries because there is a historical lookup that is not needed

The **Versions** field can slow down the Document view and the return of query results because there is a historical lookup in the database that is not needed.

As of Integrity Lifecycle Manager 11.1, the historical lookup is not performed and query performance is improved.

For more information, see article CS249064 in the PTC Integrity eSupport portal.

Copying content returns an error

Copying content under a certain set of conditions returns the following error: MKS131372: An unhandled database exception has occurred. Please contact your administrator.

The error is returned under the following set of conditions:

- The content has a multi-valued pick field listed as a visible type.
- The field is not listed as a copy field.
- The multi-valued pick field has a default value (single or multiple).

As of Integrity Lifecycle Manager 11.1, the copy operation succeeds without error

For more information, see article CS245902 in the PTC Integrity eSupport portal.

Additional Comments field displays incorrect timestamp

The **Additional Comments** field displays an incorrect timestamp when viewed from the Document view when **Editable** is enabled for **Table Content** in the **View** options. However, the time is stored correctly in the database and displays correctly in other locations.

As of Integrity Lifecycle Manager 11.1, the timestamp is correct when viewed from that location.

For more information, see article CS91386 in the PTC Integrity eSupport portal.

Ordered list displaying with *0 instead of unordered list

There is a display issue in the Document view when running **Content** ► **Downstream Traces**. Unordered lists in the output are incorrectly being displayed as numbered lists, with the first line starting with an asterisk and zero (*0).

As of Integrity Lifecycle Manager 11.1, the information appears correctly as an unordered list.

For more information, see article CS240644 in the PTC Integrity eSupport portal.

In Integrity Lifecycle Manager document view, values of shorttext fields are aligned in the center

In the document view, the values of the shorttext fields are aligned in the center instead of being aligned at the top left corner.

As of Integrity Lifecycle Manager 11.1, in the document view, the values of shorttext fields are aligned at the top left corner.

For more information, see article CS210458 in the PTC Integrity eSupport portal.

Java AssertionError displayed when propagating traces in a document that contains traces between content items and non-document items

Java AssertionError is displayed when propagating traces in a document using the Propagate Traces wizard if the document contains traces between content items and non-document items

As of Integrity Lifecycle Manager 11.1, traces between content items and non-document items in a document are ignored and other traces can be successfully propagated using the Propagate Traces wizard.

For more information, see article CS252509 in the PTC Integrity eSupport portal.

The performance of Integrity Lifecycle Manager is affected when certain conditions in the document view are met

Integrity Lifecycle Manager becomes slow when all of the following conditions in the document view are met:

- User has enabled parameter substitution
- User has added a relationship field to the column listing in the document view
- User has added a text field to the column listing in the relationship field table

As of Integrity Lifecycle Manager 11.1, this issue has been corrected.

For more information, see article CS254805 in the PTC Integrity eSupport portal.

Field overrides are not applied to the document branch

When specifying a default value and allowing multiple values for a field, field overrides are not applied to the document branch.

As of Integrity Lifecycle Manager 11.1, field overrides are applied to the document branch.

For more information, see article CS248004 in the PTC Integrity eSupport portal.

Content from the Test Results tab of an item, when pasted in an external application results in incorrect display of content in the Verdict column

The content of the Verdict column is displayed incorrectly when data from the **Test Results** tab in Integrity Lifecycle Manager Client is pasted in an application such as Word, Excel and so on. Here, the Verdict ID is displayed instead of the Verdict Display Name.

As of Integrity Lifecycle Manager 11.1, the issue is now fixed and the content in the Verdict column is displayed correctly.

For more information, see article CS249375 in the PTC Integrity eSupport portal.

Error occurs when saving an update that satisfies the constraint rule, has changes made to other fields of an Item type and if one of the constrained fields is a FVA

When saving an update that satisfies the constraint rule and has changes made to Item type fields, the following error appears if one of the constrained fields is a Field Value Attribute (FVA):

```
The field "{ConstrainedField}" is constrained by the field(s) "{SourceField}", causing one or more values in the field "{ConstrainedField}" to be invalid.
```

As of Integrity Lifecycle Manager 11.1, updates to an item can be successfully edited and saved, irrespective of the constraint rule.

For more information, see article CS249003 in the PTC Integrity eSupport portal.

While exporting content in Excel using CLI, special characters like '&', '<', '>' are skipped

When content is exported in Excel using CLI command, im exportissue, special characters like '&', '<', '>' do not get exported. The text following the character '&' and the text between the characters '<' and '>' is also not displayed in the Excel file.

As of Integrity Lifecycle Manager 11.1, the issue is now fixed and all the content gets exported in Excel using CLI command.

For more information, see article CS217567 in the PTC Integrity eSupport portal.

When a client is connected to multiple Integrity Lifecycle Manager servers and a server is timed out, incorrect item types are displayed while creating an item

When one of the Integrity Lifecycle Manager servers connected to an Integrity Lifecycle Manager client is timed out, selecting **Item > Create** is either disabled or displays incorrect list of item types.

As of Integrity Lifecycle Manager 11.1, when the server connection is timed-out, selecting **Item** • Create does not display any item types. Once the server is reconnected, the correct item types are displayed while creating an item.

For more information, see article CS245233 in the PTC Integrity eSupport portal.

Integrity Lifecycle Manager can take time to display Item Presentation Template (IPT) images if the URLs for the images contain various forms of the same host name

In some cases, Integrity Lifecycle Manager fetches IPT images over the network instead of fetching the images more efficiently from the server's file system. This causes delay in loading the IPT images.

As of Integrity Lifecycle Manager 11.1, this issue is fixed. Integrity Lifecycle Manager is now able to recognize the various forms of hostname in an IPT URL that refer to the local server. Consequently, Integrity Lifecycle Manager can fetch the corresponding image from the file system rather than from the network.

For more information, see article CS251843 in the PTC Integrity eSupport portal.

Updates made to an existing computation field are not reflected unless the Integrity Lifecycle Manager server is restarted

The issue occurs when an existing computation field is updated as follows –

- Store to History Frequency is updated to never or delta, and
- How to Run Computations is updated to static.

The changes are reflected only after restarting the Integrity Lifecycle Manager server.

As of Integrity Lifecycle Manager 11.1, the issue is resolved and any changes made to the computed field are updated correctly and does not require a server restart.

For more information, see article CS253193 in the PTC Integrity eSupport portal.

Email notification is not working in Integrity Lifecycle Manager even when Created By condition is fulfilled

A list of conditions can be added in the **Set Email Notifications** window to send an email when the conditions specified are fulfilled. But, even after the condition **Created By** is fulfilled, the email notification is not triggered.

As of Integrity Lifecycle Manager 11.1, the issue is now fixed and the email notification is triggered when **Created By** condition is fulfilled.

For more information, see article CS246333 in the PTC Integrity eSupport portal.

Integrity Lifecycle Manager displays incorrect error messages for Label Rule denied

In Integrity Lifecycle Manager, label rules can be defined to control **Add...**, **Move...** and **Delete...** label operations. The following error message is displayed when a user does not have permission to perform an operation as per the defined label rule:

MKS124588: This label operation may not be performed on the item <item ID>, since it is of type <item type>, and that type has an <operation> Label Rule. The rule has evaluated to deny permission to perform the operation.

In case of Item ► Label ► Add... operation, an error message denying the permission to 'Delete Label Rule' is displayed. Also, in case of Item ► Label ► Delete... operation, an error message denying the permission to 'Add Label Rule' is displayed.

As of Integrity Lifecycle Manager 11.1, the issue is now fixed and the correct error messages are displayed.

For more information, see article CS249938 in the PTC Integrity eSupport portal.

Logging Text field does not list the edits done by users with underscore or hyphen in their username

In Integrity Lifecycle Manager, **Logging Text** field does not list the edits done by users with underscore or hyphen in their username. Only when it is the first edit or another user has made a change after them, the **Logging Text** field lists the edits for such users

As of Integrity Lifecycle Manager 11.1, the issue is now resolved and the edits done by users with underscore or hyphen in their username are listed in the **Logging Text** field.

For more information, see article CS256444 in the PTC Integrity eSupport portal.

Third-Party Integrations: Integrity Lifecycle Manager 11.1 Fixed Issues

The following issues have been fixed for Third-Party Integrations in Integrity Lifecycle Manager 11.1.

On Windows, using a local integration point with the Integrity Lifecycle Manager Java API results in a resource leak

If you have a local integration point with the Integrity Lifecycle Manager Java API on Windows, a resource leak occurs with each call to CmdRunner.execute() for the following two handles:

- A handle to the Integrity Lifecycle Manager client process
- A handle to the access token for the Integrity Lifecycle Manager client process

As of Integrity Lifecycle Manager 11.1, these resource leaks no longer occur.

For more information, see article CS246664 in the PTC Integrity eSupport portal.

Problems with IPT images retrieval from a Integrity Lifecycle Manager server configured for ISAM authentication

When Integrity Lifecycle Manager server is configured for ISAM (IBM Security Access Manager) authentication scheme, the Integrity Lifecycle Manager client and the administration client GUI encounter the following problems related to IPT image retrieval:

- Existing IPT images as well as new IPT images inserted into a template, are displayed as broken images in the **Edit Presentation Template** wizard of the Integrity Lifecycle Manager administration client GUI. You can access these images from the web browser using the same image URL.
- When trying to save changes to the Edit Presentation Template wizard of the Integrity Lifecycle Manager administration client GUI, the following error message is displayed:

```
The image at the URL 'https://server:port/MKS_ALM_2009/ALM09-ChangeOrder-HeaderBar.png' cannot be loaded.Correct the URL or remove the image from the IPT
```

In this error message, https://server:port/MKS_ALM_2009/ALM09-ChangeOrder-HeaderBar.png is the image URL.

• Items containing IPT images take time to load when accessed for the first time through the Integrity Lifecycle Manager client.

As of Integrity Lifecycle Manager 11.1, these issues are fixed, and the following improvements are observed:

- Existing IPT images as well as new IPT images inserted into a template, are rendered correctly in the **Edit Presentation Template** wizard of the Integrity Lifecycle Manager administration client GUI.
- Changes made to a template containing images in the Edit Presentation
 Template wizard of the Integrity Lifecycle Manager administration client GUI are successfully saved.
- The loading time for the items containing IPT images significantly improves when loaded in the Integrity Lifecycle Manager client for the first time.

For more information, see article CS234338 in the PTC Integrity eSupport portal.

Integrity Lifecycle Manager client fails to check the common name (CN) of the ISAM server certificate

When connecting to an Integrity Lifecycle Manager server, the Integrity Lifecycle Manager client does not check if the host name used to connect to the server matches the CN of the ISAM server certificate. The connection is allowed without any warning or error message though the host name verification fails.

As of Integrity Lifecycle Manager 11.1, the Integrity Lifecycle Manager client performs host name verification. If the host name verification fails, the connection is not established and the following error message is displayed:

Error connecting to <givenhost>:<port_number>: Host name
does not match the certificate subject provided by the peer
(CN= <hostname>)

where:

- <givenhost> is the host name used to connect to Integrity Lifecycle Manager
- <hostname> is the CN on the certificate

For example, if you connect to Integrity Lifecycle Manager server, using https://virtualhost:433 and the CN on the ISAM certificate is virtualhost.abc.com, then you will get an error message as follows:

Error connecting to virtualhost: 433: Host name <virtualhost> does not match the certificate subject provided by the peer (CN= virtualhost.abc.com)

For more information, see article CS249954 in the PTC Integrity eSupport portal.

Issues when trying to export documents in Gateway with server-side template

When Integrity Lifecycle Manager server is configured for ISAM authentication scheme, Gateway experiences problems in the following cases:

- When remote templates hosted on a ISAM protected server are used for export, Gateway fails to fetch the templates and an error is displayed.
- When exporting a document with rich text fields containing images (image URLs hosted by ISAM protected server), the images are missing in the exported document.
- When importing a document with resource URLs hosted on a ISAM protected server, the **Review** tab of the **Preview** step displays broken images.
- When viewing images (image URLs hosted by ISAM protected server) in rich text fields in the Integrity Lifecycle Manager client Item view, the images appear broken.

As of Integrity Lifecycle Manager 11.1, these issues no longer occur. Gateway correctly fetches remote templates hosted on a ISAM protected server during export. However, the Gateway Export Wizard requires the user to re-authenticate with the ISAM server. Images (image and resource URLs hosted by ISAM protected server) are now correctly displayed when:

- Exporting a document with rich text fields containing images.
- Viewing images in rich text fields in the Integrity Client Item view.
- Importing a document (when images are viewed in the Review tab of the Preview step). Users may need to re-authenticate with the ISAM server.

Note the following additional points:

- The CA certificate trust verification shifts from JRE to Windows. While Windows offers pre-installed list of CA certificates, you should ensure that the CA certificate for the links used is present in Windows Trust Store.
- No additional configuration is required when Gateway is launched from the Integrity Lifecycle Manager client. However, if Gateway is run as a standalone tool, the options in the following example of an export command can be used to instruct the Gateway process to use ISAM authentication:

\$gateway export --sslProvider=mscapi --tlsVersion= TLSv1.1 21

where:

- o sslProvider is mandatory and takes mscapi as value. If omitted, the above-mentioned problems reoccur.
- tlsVersion is optional and possible values are TLSv1, TLSv1.1, or TLSv1.2. If omitted, it defaults to TLSv1.2 protocol.

- These options are also applicable to other Gateway supported commands such as the import command.
- JRE provides https.protocols property to control TLS protocol version. If the property is present in Gateway.lax file, it overrides any user-configured protocol version.

For more information, see article CS252504 in the PTC Integrity eSupport portal.

Miscellaneous: Integrity Lifecycle Manager 11.1 Fixed Issues

The following miscellaneous issues have been fixed in Integrity Lifecycle Manager 11.1.

Vague error for any operation in client if the proxy port is not defined

If a proxy is defined for the client but missing the proxy port information, the following error is returned: **MKS124803 java.lang.NumberFormatException**. The error is returned for any operation that the client attempts to perform, and should be a more meaningful error that communicates the issue.

As of Integrity Lifecycle Manager 11.1, the following error is now returned: **Error connecting using proxy. Proxy port is not set**.

For more information, see article CS143148 in the PTC Integrity eSupport portal.

General Notes: Integrity Lifecycle Manager 11.1

Server Configuration and Administration: Integrity Lifecycle Manager 11.1 General Notes

The following notes explain general changes made to Server Configuration and Administration in Integrity Lifecycle Manager 11.1.

Thread logging now outputted to server log

Thread logging is now outputted to the server log by default. Previously, to enable thread logging, lines had to be added to logger.properties based on instructions in article CS152886. If you have scripts based on the previously formatted server log output, update those scripts accordingly.

Support for MS SQL Server 2016

Integrity Lifecycle Manager 11.1 now supports MS SQL Server 2016.

Support for Windows 10 Enterprise 2016 LTSB

Integrity Lifecycle Manager 11.1 now supports Windows 10 Enterprise 2016 LTSB edition.

Support for MS SQL Server 2014 SP2

Integrity Lifecycle Manager 11.1 now supports MS SQL Server 2014 SP2.

Support for Firefox ESR 45.5.0

Integrity Lifecycle Manager 11.1 now supports Firefox ESR 45.5.0 browser on the supported platforms.

Traditional Chinese language is no longer supported

With the release of Integrity Lifecycle Manager 11.1, Traditional Chinese language is no longer supported. If you have a configured Integrity Lifecycle Manager with Traditional Chinese locale and you upgrade to Integrity Lifecycle Manager 11.1, you can expect to find mixed English and Traditional Chinese strings in the interface. The ability to use the Traditional Chinese language in Integrity Lifecycle Manager will be completely removed in a future release.

Integrity Lifecycle Manager 11.1 server will not support Integrity clients 10.4 and older

With the release of Integrity Lifecycle Manager 11.1, users running Integrity clients version 10.5 and later can connect to Integrity Lifecycle Manager 11.1 servers. Users running Integrity clients version 10.4 and older will not be able to connect to Integrity Lifecycle Manager 11.1 servers. For more information, see *Integrity Lifecycle Manager Installation and Upgrading Guide* on the PTC Integrity eSupport portal.

Software Configuration Management: Integrity Lifecycle Manager 11.1 General Notes

The following notes explain general changes made to Software Configuration Management in Integrity Lifecycle Manager 11.1.

The ViewSet Toolbar is now displayed by default

The **ViewSet Toolbar** is now displayed by default and users can click the required ViewSet on the toolbar to switch between open ViewSets. To disable displaying the toolbar, users or administrators must clear the **Switch ViewSets Toolbar** checkbox.

Miscellaneous: Integrity Lifecycle Manager 11.1 General Notes

The following notes explain general miscellaneous changes made in Integrity Lifecycle Manager 11.1.

Changes to documentation packaged with Integrity Lifecycle Manager 11.1

At the time of Integrity Lifecycle Manager 11.1 release, the documentation packaged with Integrity Lifecycle Manager has undergone the following changes:

- The *Integrity Lifecycle Manager Document Versioning Guide* is no longer being produced. To access document versioning content, see the *Integrity Lifecycle Manager Help Center*.
- The *Integrity Lifecycle Manager Server Administration Guide* is no longer being produced. To access server administration content, see the *Integrity Lifecycle Manager Help Center*.
- The content for installing Integrity Lifecycle Manager has been removed from the *Integrity Lifecycle Manager Help Center* and merged with the content in the *Integrity Lifecycle Manager Installation and Upgrading Guide*. This guide can be downloaded from the PTC Integrity eSupport portal.

Documentation update for Integrity Lifecycle Manager 11.1 siviewsandbox command

At the time of Integrity Lifecycle Manager 11.1 release, in the CLI man pages, the description for the --fields=deferredOperationInformation option for the si viewsandbox command is missing. The --fields=deferredOperationInformation option returns true if a member has a deferred update revision associated with it.

This documentation issue will be addressed in a later release.

Change in appearance of Integrity Lifecycle Manager Help Center

The appearance of the Help Center has changed in Integrity Lifecycle Manager 11.1. The new Help Center provides an easy-to-use experience. For more information on the Help Center features, see "Help Center Help" in the *Integrity Lifecycle Manager Help Center*.

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Integrity Lifecycle Manager 11.0 Release Notes

Included Hotfixes: Integrity Lifecycle Manager 11.0	37
Fixed Issues: Integrity Lifecycle Manager 11.0	40
General Notes: Integrity Lifecycle Manager 11.0	59

- These release notes contain information you should read before installing and running Integrity Lifecycle Manager 11.0. The information includes lists of fixed issues and general notes; all of which are grouped by functional areas.
- For the most recent copy of the release notes, refer to the PDF version that is available from the PTC Integrity eSupport portal at http://www.ptc.com/support/integrity.htm. You can also view Integrity Lifecycle Manager guides and current information on supported Integrity Lifecycle Manager product versions, platforms, Web browsers, databases, and Integrity Lifecycle Manager integrations.
- The "Fixed Issues" and "Known Issues" sections include Integrity Lifecycle Manager reference numbers for all fixed and known issues in the summary title. When you report a particular issue, you are notified when it is fixed. The "General Notes" section contains important information on upgrading, compatibility, and deprecated features.
- PTC recommends full testing, planning, and preparation for the upgrade. The time it takes to upgrade may increase over previous releases. For more information, see the *Integrity Lifecycle Manager Upgrading Guide* available in the PTC Integrity eSupport portal.
- In each Integrity Lifecycle Manager release, some new features require changes to ViewSets that can make ViewSets edited with a newer Integrity Lifecycle Manager client incompatible with older Integrity Lifecycle Manager

- clients. When publishing ViewSets to an environment where some clients have not been upgraded, ensure those ViewSets do not have an adverse impact on users of clients from previous releases. For example, it is not recommended that a ViewSet from the current release be configured as mandatory for a user of a legacy client, even if that version of the client is supported for connecting to the current release of the Integrity Lifecycle Manager server.
- In the *Integrity Lifecycle Manager Help Center*, context-sensitive content is linked from help links in the user interface. Most of this content is localized. However, not all content is available in every language. As a result, you can expect to find mixed English and localized content if you are accessing a localized version of Integrity Lifecycle Manager.

Included Hotfixes: Integrity Lifecycle Manager 11.0

This release of Integrity Lifecycle Manager includes changes from hotfixes that were released for previous versions of Integrity Lifecycle Manager.

Client Hotfixes

The following hotfixes only apply to the Integrity Lifecycle Manager client, and are included in this release:

Hotfix ID Number	CS Article ID	Issue Summary
HF-S140000001-021	CS235539	Importing a sandbox stops prematurely when encountering a former subsandbox or when an error occurs during import
HF-S140000001-030	CS244184	The imeditissuegui command may take long time for completion when executed using an API or CLI interface, even after closing the Edit Item view
HF-S140000001-031	CS231172	Error returned when viewing non-members after performing a retarget sandbox operation
HF-S150000000-001	CS000234071	Integrity 10.9 client fails to authenticate to PKI/ WebSeal if multiple certificates are installed in the system.
HF-S150000000-014	CS201142 and CS238475	Solves the following problems:

Hotfix ID Number	CS Article ID	Issue Summary
		OLE object edited in Microsoft Word 2010 or Microsoft Word 2013 is displayed incorrectly in the rich content fields of the Document view
		The thumbnail of an OLE object in Microsoft Excel 2013 document or Microsoft Word 2013 document is not displayed correctly in the rich content fields of the Document view
HF-S150000000-005	CS239688	Importing specific MS-Word documents through Gateway sometimes results in a NullPointerException error.
HF-S150000000-016	CS241475	A line break is inserted between table headings and table content when a document is exported from Gateway to MS Word.

Server Hotfixes

The following hotfixes only apply to the Integrity Lifecycle Manager server, and are included in this release:

Hotfix ID Number	CS Article ID	Issue Summary
HF-S140000000-030	CS226456	Integrity server appears unresponsive to Web
		users
HF-S140000001-025	CS241865	Segmentation fault in C
		API when running si
		diff against a binary
		member

Hotfix ID Number	CS Article ID	Issue Summary
HF-S140000001-026	CS89316	The
		setDateFieldValue
		method in
		imIssueDeltaBean
		uses client time zone
		when copying date fields
HF-S140000001-029	CS244247	There can be date
		inconsistencies under
		certain conditions due to
		a server and time zone
		mismatch
HF-S140000000-029	CS238446	One user operation of
		running a query consumes
**** 04 *000000 040	GG 100 = 0	two JDBC connections.
HF-S150000000-010	CS240270	User-defined email
		notifications do not
		include the Summary
		field in the email subject
HE C14000000 021	000000456	or content.
HF-S140000000-031	CS226456	Integrity server has poor
		performance and runs out
		of memory due to
		blocked command
		threads.

Client and Server Hotfixes

The following hotfixes apply to both the Integrity Lifecycle Manager client and server, and are included in this release:

Hotfix ID Number	CS Article ID	Issue Summary
HF-S130000000-058	CS91070	Document View Outline only displays IDs for included documents
HF-S150000000-006	CS239327	Integrity client unresponsive when performing source operations

Hotfix ID Number	CS Article ID	Issue Summary
HF-S140000000-033	CS236633	The History tab for an
		item does not show any
		history if Integrity
		updates the backing field
		of a FVA field
HF-S150000000-011	CS101428	Parameter Values defined
		on the Test Session are
		not substituted for the
		Test Case while running
		reports.

FSA Proxy Hotfixes

There are no hotfixes that apply to FSA Proxy servers in this release.

Fixed Issues: Integrity Lifecycle Manager 11.0

Server Configuration and Administration: Integrity Lifecycle Manager 11.0 Fixed Issues

The following issues have been fixed for Server Configuration and Administration in Integrity Lifecycle Manager 11.0.

Integrity Lifecycle Manager server demonstrates poor performance and insufficient memory due to blocked command threads

The Integrity Lifecycle Manager server demonstrates poor performance and insufficient memory due to blocked command threads that prevent the memory associated with expired HTTP sessions from being released through normal JVM Garbage Collection (GC).

As of Integrity Lifecycle Manager 11.0, the Integrity Lifecycle Manager server waits for 10 seconds for the command thread to terminate, and then terminates the HTTP session. This frees up the memory associated with the expired HTTP sessions and improves the server performance.

For more information, see article CS226456 in the PTC Integrity eSupport portal.

Integrity Lifecycle Manager server appears unresponsive to Web interface users

Under certain rare conditions, the Integrity Lifecycle Manager server appears unresponsive to Workflows and Documents Web interface users due to Web preference contention.

As of Integrity Lifecycle Manager 11.0, the issue that caused the server to appear unresponsive to users of the Workflows and Documents Web interface has been corrected.

For more information, see article CS226456 in the PTC Integrity eSupport portal.

Null pointer exceptions can occur after a user gets disconnected from the Integrity Lifecycle Manager server

After a user gets disconnected from the Integrity Lifecycle Manager server, null pointer exceptions are logged in the server.log file. However, this has no impact on Integrity Lifecycle Manager operations. As of Integrity Lifecycle Manager 11.0, these null pointer exceptions no longer occur after a user gets disconnected from the Integrity Lifecycle Manager server.

For more information, see articles CS153383 and CS153254 in the PTC Integrity eSupport portal.

Minor memory leaks may occur on the Integrity Lifecycle Manager client when editing items with large IBPL fields

Under certain conditions, minor memory leaks may occur on the Integrity Lifecycle Manager client when editing items with large Item Backed Pick Lists (IBPL). As of Integrity Lifecycle Manager 11.0, these memory leaks no longer occur.

For more information, see article CS134842 in the PTC Integrity eSupport portal.

The setDateFieldValue method in imIssueDeltaBean uses client time zone when copying date fields

Using the setDateFieldValue method in imIssueDeltaBean uses client time zone when copying date fields, but there is a need to retain the original time zone information.

The resolution for this issue is to create new methods rather than modifying an existing method. As of Integrity Lifecycle Manager 11.0, imIssueDeltaBean includes the following new methods:

- The method copyDateFieldValue (String sourceField, String targetField) copies the original value of a date-only field to another date-only field in the same item, and preserves the time zone.
- The method copyDateFieldValue (ScriptIssueBean sourceItem, String sourceField, String targetField) copies the original value of a date-only field of another item to another date-only field (or to the same date-only field), and preserves the time zone.
- The method copyNewDateFieldValue (String sourceField, String targetField) copies the new value of a date-only field to another date-only field in the same item, and preserves the time zone.
- The method copyNewDateFieldValue (ScriptIssueDeltaBean sourceItem, String sourceField, String targetField) copies the new value of a date-only field of another item to another date-only field (or to the same date-only field), and preserves the time zone.

Detailed information on the new methods for imIssueDeltaBean can be accessed from the "Event Trigger Java Documentation" link on the Integrity Lifecycle Manager server home page.

For more information, see article CS89316 in the PTC Integrity eSupport portal.

Improve performance while accessing multi-valued Item Backed Pick List (IBPL), pick, and user fields

As of Integrity Lifecycle Manager 11.0, indexes are added to tables to improve performance while accessing the multi-valued fields such as IBPL, pick, and user fields

For more information, see article CS91639 in the PTC Integrity eSupport portal.

Software Configuration Management: Integrity Lifecycle Manager 11.0 Fixed Issues

The following issues have been fixed for Software Configuration Management in Integrity Lifecycle Manager 11.0.

Error when viewing project information for the same project in the Integrity Lifecycle Manager client GUI

An error can occur when viewing the **Project Information** view multiple times for the same project in the Integrity Lifecycle Manager client GUI. The error occurs under the following conditions:

- The **Project Information** view of a specified project is open.
- An attempt is made to open another **Project Information** view for the same project with a different configuration (for example, a variant project or a project with different settings).

As of Integrity Lifecycle Manager 11.0, this error no longer occurs. Multiple **Project Information** views open when viewing the project information multiple times for the same project with different configurations or settings.

For more information, see article CS92121 in the PTC Integrity eSupport portal.

Integrity Lifecycle Manager client deadlock for configuration management views

This issue affects the Integrity Lifecycle Manager configuration management views that cache information. The Integrity Lifecycle Manager client GUI can reach a deadlock state when performing actions on such views at the same time. This means that the actions are competing with each other in the queue to complete, with no action completing. Consequently, the Integrity Lifecycle Manager client GUI becomes unresponsive (hangs). As of Integrity Lifecycle Manager 11.0, this deadlock state cannot occur.

For more information, see article CS157581 in the PTC Integrity eSupport portalPTC Integrity eSupport portal.

Potential null pointer exception error during permission check

During permission check, a potential null pointer exception error can occur if the value for a user or permission is null. As of Integrity Lifecycle Manager 11.0, this error no longer occurs during permission check.

For more information, see article CS126061 in the PTC Integrity eSupport portal.

The Graphical Member History view does not refresh automatically after adding or deleting labels in the Project History view

The **Graphical Member History** view does not refresh automatically when viewing a member history in the Integrity Lifecycle Manager client GUI. The view does not show updated information after adding or deleting labels in the **Project History** view.

As of Integrity Lifecycle Manager 11.0, the **Graphical Member History** view for a member refreshes automatically after adding or deleting labels in the **Project History** view.

For more information, see article CS139236 in the PTC Integrity eSupport portal.

Source-related temporary files are created in the temporary ptcintegrity-source directory

A ptc-integrity-source directory, which has source-related temporary files, is created in the temporary directory that is defined by the java.io.tmpdir property. When the Integrity Lifecycle Manager client exits normally, the temporary directory *ptc-integrity-source* is deleted. However, when the client exits prematurely, the contents of the ptc-integrity-source are retained. After the client restart, the ptc-integrity-source directory from the previous session is renamed to ptc-integrity-source-deleted.<random identifier> and is deleted.

Note

The source related temporary files that are not cleaned up by the older client (10.9 and earlier) are available in the temporary directory and should be cleaned up manually.

For more information, see article CS85589 in the PTC Integrity eSupport portal.

Users encounter errors when attempting to view differences in binary files using C API

Users encounter the following errors when attempting to view differences in binary files using C API:

- A segmentation fault error when running the si diff CLI command
- A Heap is Destroyed error message on clicking the **Differences** button in the Check In dialog when running the si ci --qui CLI command.

As of Integrity Lifecycle Manager 11.0, users do not encounter any errors when attempting to view differences in binary files using C API.

For more information, see article CS241865 in the PTC Integrity eSupport portal.

Importing a sandbox stops prematurely when encountering a former subsandbox or when an error occurs during import

When using an Integrity Lifecycle Manager client to import an older sandbox (Integrity 10.7 or earlier), the import stops when it encounters a former subsandbox (a subsandbox that corresponds to a subproject that was dropped by another user, but was not resynchronized in the current sandbox). The import also stops when an error occurs during the import. In both of those scenarios, an error is displayed to the user, and subsequently the rest of the sandbox tree is not imported. Attempts to reimport the same sandbox also fail with messaging that is not useful.

As of Integrity Lifecycle Manager 11.0, the Sandbox > Import command (si importsandbox) is more robust with its handling of sandbox trees and displays better error messages. Former subsandboxes are handled appropriately. When the command does encounter something it cannot import, the command continues to import the rest of the tree. A useful message about what could not be imported is then displayed to the user. Attempts to reimport the same sandbox also fail with useful messaging.

For more information, see article CS235539 in the PTC Integrity eSupport portal.

Error when using checkpoint with label containing ".0.0"

Using a checkpoint that contains ".0.0" as the last characters of the label returns the following error: MKS125191: The revision ID is invalid or missing.

As of Integrity Lifecycle Manager 11.0, an error is no longer returned for labels containing ".0.0".

For more information, see article CS232254 in the PTC Integrity eSupport portal.

Configure Subproject change package entries appear to be missing

Configuring the same subproject to different builds can result in a situation where the invalidation process removed only half of a configure subproject entry (instead of "none" or "both halves"). The result of that scenario is that it can appear as though some Configure Subproject change package entries are missing. This issue only affects the recording of entries in the change package, but not project contents in the repository.

As of Integrity Lifecycle Manager 11.0, the change package entries are correctly handled in that scenario.

For more information, see article CS208842 in the PTC Integrity eSupport portal.

Exception error when viewing project history and associated issues

When using a Integrity 10.5 (or earlier) client with a Integrity 10.6 (or newer) server, running si viewprojecthistory with --fields= associatedIssues results in the following error when there is an associated issue for a checkpoint:

MKS124803: Internal error detected: Exception was: java.lang.reflect. UndeclaredThrowableException.

As of Integrity Lifecycle Manager 11.0, the command returns the field information without error. This change is for the Integrity Lifecycle Manager server and does not require a client update.

For more information, see article CS228747 in the PTC Integrity eSupport portal.

A deadlock occurs on the server when a user is checkpointing two top-level projects that have the same shared subprojects

As of Integrity Lifecycle Manager 11.0, deadlock does not occur on the server when a user is checkpointing two top-level projects that have the same shared subprojects.

For more information, see article CS157205 in the PTC Integrity eSupport portal.

Find change package feature returns change packages that do not meet the criteria

Criteria specified on the **By Filter** tab of the **Find Change Packages** dialog (or for the CLI, si viewcps --filter) can return change packages that do not meet that criteria. The cause of the issue is that those change packages have discarded or moved change package entries.

As of Integrity Lifecycle Manager 11.0, change packages that have discarded or moved entries that match the criteria no longer appear in the results.

For more information, see article CS217183 in the PTC Integrity eSupport portal.

Error when modifying change package description

The merge child development path command generates a change package description. If a user modifies that description, using that change package can return a StringIndexOutOfBoundsException error.

As of Integrity Lifecycle Manager 11.0, no error is returned, and a message is written to the client log stating which line could not be parsed.

For more information, see article CS162461 in the PTC Integrity eSupport portal.

Client unresponsive when performing source operations

The client can become unresponsive when performing configuration management (source) operations.

As of Integrity Lifecycle Manager 11.0, the client successfully performs configuration management (source) operations.

For more information, see article CS239327 in the PTC Integrity eSupport portal.

Merging a child devpath generates a change package description that is too large

The Merge Child Development Path command generates a change package description that can exceed the maximum available size of the field. When that occurs, the following error is returned: MKS819702: Maximum description length exceeded.

As of Integrity Lifecycle Manager 11.0, the propagation report is no longer automatically copied into the change package description. If the report is needed, it must be saved by the user (similar to what is done for **Resynchronize Change Package**) and then attached to the relevant item.

For more information, see article CS141645 in the PTC Integrity eSupport portal.

Performance of View Archive Information is poor

Under certain conditions, when attempting to view member archive information, the performance of Integrity Lifecycle Manager is poor.

As of Integrity Lifecycle Manager 11.0, an index is introduced on the CMArchive table which may improve the performance.

For more information, see article CS92229 in the PTC Integrity eSupport portal.

Adding an index on the CMProject table improves the speed of operations that uses this table

As of Integrity Lifecycle Manager 11.0, an index is introduced on the CMProject table which may improve the speed of swizzle cache priming in the DIRNAME table. This may be due to the improvement in the performance of the long project operations such as the checkpoint project operations.

For more information, see article CS168469 in the PTC Integrity eSupport portal.

Setting the Client Preference for Editor to explorer.exe is supported in the CLI when siedit --editor=explorer.exe

Setting the Client **Preference for Editor** to **Use System Editor** is supported in the GUI and the CLI. However, Windows 2007 onward, the default **System Editor** is not supported in the CLI.

As ofIntegrity Lifecycle Manager 11.0, setting the Client **Preference for Editor** to explorer.exe is supported in the GUI and the CLI.

For more information, see article CS232266 in the PTC Integrity eSupport portal.

The New Revision Available filter is missing from the Project view

The **New Revision Available** filter is available for the members in the Sandbox view, but not the Project view.

As of Integrity Lifecycle Manager 11.0, The **New Revision Available** filter is available for the members in the Project view.

For more information, see article CS162265 in the PTC Integrity eSupport portal.

Error returned when viewing non-members after performing a retarget sandbox operation

Running the Sandbox > Views > View Non-Members command after performing Sandbox > Retarget can return MKS124814 (cannot show view information) and MKS125443 (the subproject does not exist) errors.

As of Integrity Lifecycle Manager 11.0, running the Sandbox ➤ Views ➤ View Non-Members command after performing Sandbox ➤ Retarget now succeeds with no errors.

For more information, see article CS231172 in the PTC Integrity eSupport portal.

Explicit variant selection during sandbox creation does not decouple sandbox from top level mainline configuration

Explicitly selecting a variant when creating a sandbox does not decouple the sandbox from the top level mainline project configuration.

As of Integrity Lifecycle Manager 11.0, the following is now true when creating a sandbox:

- If you select **Current configuration**, then a sandbox that was created based on a subproject will follow any subproject reconfigurations performed after the sandbox was created.
- If you select **Normal**, **Variant**, or **Build**; after choosing a subproject then the sandbox will not follow subproject reconfigurations performed after the sandbox was created down to that subproject. In that scenario, the sandbox will only follow subproject reconfigurations on additional subprojects selected using the **Specify a subproject of the project** panel.

For more information, see article CS165080 in the PTC Integrity eSupport portal.

Error when adding a project label

Adding a project label can output the following error to the server log: mks.si.api.SIAPIException: getUoW() called outside of a transaction.

As of Integrity Lifecycle Manager 11.0, the error no longer occurs.

For more information, see article CS96274 in the PTC Integrity eSupport portal.

Workflows and Documents: Integrity Lifecycle Manager 11.0 Fixed Issues

The following issues have been fixed for Workflows and Documents in Integrity Lifecycle Manager 11.0.

Trigger error when copying and pasting multiple content items

There is an issue when the Document view has the following option enabled in the view options: **Edit multiple rows before saving**. Copying and pasting multiple content items under the same parent item, and then saving the change, results in a trigger error that the parent item could not be modified.

As of Integrity Lifecycle Manager 11.0, there is no error returned and edit succeeds.

For more information, see article CS228745 in the PTC Integrity eSupport portal.

When reimporting Microsoft Word documents containing shapes of various types, Gateway indicates the documents are changed even if they are unchanged

When reimporting Microsoft Word documents that contain shapes of various types, Gateway indicates the documents are changed even if they are unchanged.

As of Integrity Lifecycle Manager 11.0, the issue that caused Gateway to indicate unchanged Microsoft Word documents that contain shapes of various types as changed is now corrected.

For more information, see article CS242390 in the PTC Integrity eSupport portal.

In the Web UI, performing the View Revision action on members named with Japanese characters fails when the name contains spaces

An error message is displayed in the Web UI when performing the **View Revision** action on members named with Japanese characters containing spaces.

As of Integrity Lifecycle Manager 11.0, you can view or download these members without any error when performing the **View Revision** action in the Web UI.

For more information, see article CS243391 in the PTC Integrity eSupport portal.

Error when using a relevance rule with a rich content field

Setting an overridden relevance rule on a rich content field can result in an unknown exception error dialog and a NullPointerException error outputted to the Integrity Lifecycle Manager client log.

As of Integrity Lifecycle Manager 11.0, there is no error.

For more information, see article CS233810 in the PTC Integrity eSupport portal.

Editing content in the Document view with multiple-row editing enabled can sometimes incorrectly overwrite values in content in other documents

Editing content in the Document view with multiple-row editing enabled can incorrectly overwrite values in branched (and branched from) content in other documents. That issue can occur when all of the following conditions are met simultaneously:

- The Document view has the following option enabled in the view options: **Edit** multiple rows before saving.
- There is a move operation on any node.
- There is an edit operation on a node whose reference mode is Reuse, or there is an edit operation on a node whose reference mode is Author, but the node has at least one branch where the reference mode is Reuse.

After saving those changes in a single transaction in the Document view, the content that was edited in the view is correct. However, content nodes in other documents that were branched from (or branched to) the edited content incorrectly use the same edit values. The issue occurs because the shared item does not properly branch to keep the edits isolated to only the edited content node.

As of Integrity Lifecycle Manager 11.0, the edits in the Document view (with multiple-row editing enabled) no longer incorrectly update content in documents that are not being updated.

For more information, see article CS236790 in the PTC Integrity eSupport portal.

Creating relationship between document contents during multiplerow editing fails when using keyboard shortcut

In Integrity 10.8 and Integrity 10.9, creating relationship between document contents during multiple-row editing is unsuccessful if you use the keyboard shortcut SHIFT+ALT+drag-and-drop.

As of Integrity Lifecycle Manager 11.0, using the keyboard shortcut SHIFT+ALT +drag-and-drop successfully creates relationship between document contents during multiple-row editing.

For more information, see article CS239670 in the PTC Integrity eSupport portal.

Integrity Lifecycle Manager client becomes unresponsive when attempting to display IPT images

Under certain rare conditions, the Integrity Lifecycle Manager client becomes unresponsive when attempting to display Integrity Lifecycle Manager Presentation Template (IPT) images.

As of Integrity Lifecycle Manager 11.0, this issue is fixed. The Integrity Lifecycle Manager client does not become unresponsive when attempting to display IPT images.

For more information, see article CS234338 in the PTC Integrity eSupport portal.

Large images appear cropped in Microsoft Word document after export from Integrity Lifecycle Manager

If an Integrity Lifecycle Manager document containing images is exported to Microsoft Word, the large images appear cropped due to incorrect scaling in the exported document. As of Integrity Lifecycle Manager 11.0, the large images resize proportionately in the Microsoft Word document after export.

For more information, see article CS93191 in the PTC Integrity eSupport portal.

Bulleted or numbered lists inserted in table cells of Microsoft Word documents are not editable in Integrity Lifecycle Manager after publishing such Microsoft Word documents

After publishing Microsoft Word documents that have bulleted or numbered lists inserted in the table cells to Integrity Lifecycle Manager, such lists are not editable in table cells when using the BACKSPACE key. However, you can modify the list properties in the table cells to change the list type or change where a numbered list starts by using the shortcut menu in the Integrity Lifecycle Manager client GUI.

As of Integrity Lifecycle Manager 11.0, this issue is corrected and the bulleted or numbered lists in the table cells of Integrity Lifecycle Manager documents are editable after publishing Microsoft Word documents.

For more information, see article CS240119 in the PTC Integrity eSupport portal.

Table borders hidden in Integrity Lifecycle Manager documents are visible in Microsoft Word after exporting the documents using Gateway

When Integrity Lifecycle Manager documents containing tables with border thickness specified as 0 (zero) in the table properties are exported to Microsoft Word using Gateway, the exported document displays the borders for such tables.

As of Integrity Lifecycle Manager 11.0, this issue has been corrected. After exporting Integrity Lifecycle Manager documents with such tables to Microsoft Word using Gateway, the borders for these tables are not visible in the exported documents



Note

If the value of the **Border thickness** field for table properties is kept blank (unspecified) in Integrity Lifecycle Manager documents, the borders for such tables are visible in Microsoft Word documents after export.

For more information, see article CS243921 in the PTC Integrity eSupport portal.

OLE object resized in Microsoft Word editor is not displayed properly after publishing the edited document to Integrity Lifecycle Manager

After double-clicking an OLE object in the Document view and resizing the object in Microsoft Word editor, the edited size of the OLE object is not retained when you publish the document to Integrity Lifecycle Manager. Consequently, the thumbnail image of the edited OLE object is not displayed properly after the publish operation.

As of Integrity Lifecycle Manager 11.0, the size of the edited OLE object is retained and the thumbnail image of the edited OLE object is displayed properly in Integrity Lifecycle Manager after the publish operation.

For more information, see article CS244718 in the PTC Integrity eSupport portal.

The thumbnail of an OLE object is not displayed correctly in the rich content fields of the Document view

After double-clicking an OLE object in the Document view and editing it using Microsoft Word 2010 or Microsoft Word 2013, the object's thumbnail appears with a black background when the edited document is published to Integrity Lifecycle Manager. As of Integrity Lifecycle Manager 11.0, the edited OLE object is correctly displayed in the rich content fields of the Document view when the document is published to Integrity Lifecycle Manager.

After inserting a Microsoft Excel 2013 document or a Microsoft Word 2013 document containing an OLE object in the rich content fields of the Document view, the Microsoft Excel or Microsoft Word icon is displayed instead of the thumbnail image of the data in the object. As of Integrity Lifecycle Manager 11.0, the thumbnail of the OLE object in Microsoft Excel or Microsoft Word is correctly displayed in the rich content fields of the Document view.

For more information, see article CS201142 and CS238475 in the PTC Integrity eSupport portal.

Cannot edit content because it appears versioned even though it is a live item

There is an issue where content items can appear as being versioned when versioning has not been enabled. That issue can occur when all of the following conditions are met:

- You are branching documents
- Other item creation operations are happening at the exact same time (specific to the microsecond)
- Your implementation of Integrity is backed by a Microsoft SQL database

The consequence of that issue is that such content items cannot be edited.

As of Integrity Lifecycle Manager 11.0, the issue has been corrected and live content is correctly editable.

For more information, see article CS233138 in the PTC Integrity eSupport portal.

Incorrect results are displayed for document filter in the historical view

When using the **where** filter in the historical view of a document, the filter considers the current state of the document instead of the historical state. As of Integrity Lifecycle Manager 11.0, filtering happens on the historical values in the historical view of a document.

For more information, see article CS140920 in the PTC Integrity eSupport portal.

Document View Outline only displays IDs for included documents

The Document View Outline only displays IDs (and not other fields) for included documents under the following conditions:

- At least one included document is very large
- Using the command **View Options**, the following options were set:
 - Link with outline
 - Link with detail
 - Item Preview set to View Only
- The user clicks in the outline

As of Integrity Lifecycle Manager 11.0, the Document View Outline now displays the values of all of the displayed fields for included documents.

For more information, see article CS91070 in the PTC Integrity eSupport portal.

Creating a related item from the Items view does not show the relationship

Creating a relationship from the Items view does not display the relationship under the following conditions:

- In the Items view Options dialog, Table Content is set to Editable.
- The desired relationship field is a displayed column.
- The relationship is created by selecting the desired relationship field.

As of Integrity Lifecycle Manager 11.0, the ID of newly created item correctly displays in the relationship field's column.

For more information, see article CS225223 in the PTC Integrity eSupport portal.

Parameter Values defined in the Test Session are not substituted for the Test Case while running reports

The Parameter Values are correctly substituted in the Test Result Editor for the Test Case, when the values are set in the Test Case or in the Test Suite or even in the Test Session. The Parameter Values are not substituted in the Test Case while running a report or viewing the Test Case when the values are set in the Test Session. However, the parameter is seen as { {ParamSession} }.

As of Integrity Lifecycle Manager 11.0, the **Parameter Values** defined in the **Test Session** are correctly substituted while running reports.

For more information, see article CS101428 in the PTC Integrity eSupport portal.

User-defined email notifications do not include the Summary field in the email subject and body

After upgrading from Integrity 10.7 to Integrity 10.9, the **Summary** field is not included in the subject and body of user-defined email notifications.

As of Integrity Lifecycle Manager 11.0, the **Summary** field is always included in the subject line and body of user-defined email notifications.

For more information, see article CS240270 in the PTC Integrity eSupport portal.

The History tab for an item does not show any history if Integrity Lifecycle Manager updates the backing field of a Field Value Attribute (FVA) field

If an item contains an FVA field and Integrity Lifecycle Manager updates the backing field of the FVA field, an error appears when you view the item history.

As of Integrity Lifecycle Manager 11.0, the History tab of an item displays records of updates made to the Integrity Lifecycle Manager item and the backing fields of the FVA fields.

For more information, see article CS238446 in the PTC Integrity eSupport portal.

Query list data is copied on the client for each Items view

Each Items view opens with its own query list that consumes more client memory.

As of Integrity Lifecycle Manager 11.0, all the Items view open with a shared query list, consuming less memory.

For more information, see article CS91975 in the PTC Integrity eSupport portal.

One user operation of running a query consumes two JDBC connections

To perform a user operation of running a query, two JDBC connections are consumed.

As of Integrity Lifecycle Manager 11.0, one user operation of running a query consumes one JDBC connection.

For more information, see article CS235155 in the PTC Integrity eSupport portal.

On client startup, all the open Viewset definitions are loaded in the memory

On client startup, all the open Viewset definitions are loaded in the memory causing more memory to be consumed even when the user is not using the Viewset.

As of Integrity Lifecycle Manager 11.0, the Viewset definition is loaded in the memory as required. On client startup, only the last-active Viewset is automatically loaded.

For more information, see article CS91852 in the PTC Integrity eSupport portal.

There can be date inconsistencies under certain conditions due to a server and time zone mismatch

Under certain conditions, there are date inconsistencies in workflows and documents (im) functionality when the server (Integrity Lifecycle Manager server and database server) time zone does not match the operating system time zone.

As of Integrity Lifecycle Manager 11.0, the dates are consistent for the following conditions:

- The Integrity Lifecycle Manager server used for workflows and documents functionality is backed by an Oracle database.
- The Integrity Lifecycle Manager server and the database server have a different time zone than the operating system.
- The date inconsistencies are those that occurred when updating an item's modified date and modified user.

Under those conditions, the Integrity Lifecycle Manager server uses the time of the operating system instead of the database time, so that the dates are consistent.

For more information, see article CS244247 in the PTC Integrity eSupport portal.

The im editissue --gui command may take long time for completion when executed using an API or CLI interface, even after closing the Edit Item view

When the im editissue --gui command is executed using an API or CLI interface, under certain circumstances completion of the command may take long time, even after closing the Edit Item view. Consequently, further user interaction with the API or CLI interface may get blocked.

As of Integrity Lifecycle Manager 11.0, the im editissue --gui command executed using an API or CLI interface completes instantaneously, once the Edit Item view is closed. Thus, further user interaction with the API or CLI interface is possible.

For more information, see article CS223514 in the PTC Integrity eSupport portal.

Null pointer exception occurs when using the im viewissue command with the --showRichContent and --showXHTML options for an item containing cross-references

When using the im viewissue command with the --showRichContent and --showXHTML options in the CLI for an item that contains cross-references in the rich text fields, a null pointer exception occurs. As of Integrity Lifecycle Manager 11.0, this null pointer exception does not occur.

For more information, see article CS170617 in the PTC Integrity eSupport portal.

A report that is generated in XML and opened using Microsoft Excel contains an invalid HTML <div> tag

When reports are generated in XML and opened using Microsoft Excel, the <div> tag does not quote the value of the ALIGN attribute. As a result, the reports do not open in Microsoft Excel.

As of Integrity Lifecycle Manager 11.0, quotes are appended to the ALIGN attribute of the HTML <div> tag and the reports open in Microsoft Excel.

For more information, see article CS246478 in the PTC Integrity eSupport portal.

Test Management: Integrity Lifecycle Manager 11.0 Fixed Issues

The following issues have been fixed for Test Management in Integrity Lifecycle Manager 11.0.

A row is added to the Test Steps table in the Test Result Editor window when users sort the ID or Summary column of the table

When users sort the **ID** or **Summary** column of the **Test Steps** table, a new row containing the ID of the corresponding test case is added to the table.

As of Integrity Lifecycle Manager 11.0, the issue that caused a row to be added to the **Test Steps** table when sorting the **ID** or **Summary** column has been resolved.

For more information, see article CS234623 in the PTC Integrity eSupport portal.

Third-Party Integrations: Integrity Lifecycle Manager 11.0 Fixed Issues

The following issues have been fixed for Third-Party Integrations in Integrity Lifecycle Manager 11.0.

Change packages created by the Integrity Lifecycle Manager Git integration display incorrect timestamps

The change packages created by the Git integration display incorrect timestamps for the **Created Date** and **Committed Date** change package attributes in time zones that do not follow the UTC time standard.

As of Integrity Lifecycle Manager 11.0, the change packages created by the Git integration display correct timestamps for the change package attributes.

For more information, see article CS239357 in the PTC Integrity eSupport portal.

Importing specific Microsoft Word documents that contain customized bulleted lists through Gateway sometimes results in a NullPointerException error

Importing specific Microsoft Word documents that contain customized bulleted lists through Gateway sometimes causes a NullPointerException error. The document sometimes loses the left-margin style information, resulting in a NullPointerException error while importing documents.

As of Integrity Lifecycle Manager 11.0, when a document that contains customized bulleted lists does not have the left-margin style information, a default value of '0' is set.

For more information, see article CS239688 in the PTC Integrity eSupport portal.

A line break is inserted between table headings and table content when a document is exported from Gateway to MS Word

When a document is exported from Gateway to MS Word, an extra line is inserted before and after tables. This causes the content before a table to separate from the table. This issue also affects nested tables, thereby increasing the size of the embedded tables in the exported document.

As of Integrity Lifecycle Manager 11.0, the Gateway application's behavior is modified by the following exporter property in the export-config section of the gateway-tool-configuration.xml file:

- When the ensureLineBeforeAndAfterTable exporter property is set to false, the extra line break does not appear
- When the ensureLineBeforeAndAfterTable exporter property is set to true, the extra line break appears.

The Default value for the ensureLineBeforeAndAfterTable exporter property is true. For example:

```
<export-config>
<name> A Space Issue internal template </name>
<description> An exporter that writes an ALM document to Microsoft Word
docx format - with tables </description>
<exporter id="MSWORD">

cproperty name="template"> .../config/gateway/export/
Microsoft Word/Template.docx </property>

cproperty name="ensureLineBeforeAndAfterTable">false
</property>
</exporter>
</exporter>
<display-fields>
<display-fields>
</display-fields>
</display-fields>
</display-fields></display-fields>
</display-fields></display-fields>
```

For more information, see article CS241475 in the PTC Integrity eSupport portal.

<gateway-configuration-name>MKS Sample ALM Document

Export</gateway-configuration-name>

</export-config>

Margins that are defined in the source template are not retained in the Word edit layouts

When the source template has pre-defined values for margins, and an item or content is opened for editing in the Edit in Word session, the margins from the source template are not retained in the document.

As of Integrity Lifecycle Manager 11.0, the margins that are defined in the source template are retained in the Word edit layouts.

For more information, see article CS231340 in the PTC Integrity eSupport portal.

Integrity 10.9 client fails to authenticate to PKI/WebSeal if multiple certificates are installed on the system

When there are multiple certificates with the same alias but different extended key usages in the Windows keystore, Integrity 10.9 client could pick any certificate for authentication. In such cases, a user may enter an invalid PIN as the selected certificate is not known.

As of Integrity Lifecycle Manager 11.0, if multiple certificates of the same alias with different extended key usages such as Secure Email, Client Authentication, Code Signing, Time Stamping, and so on are available, certificates with extended key usage Client Authentication are preferred over certificates with other extended key usages. Additionally, for this selection, valid certificates are preferred over expired certificates. If no valid certificate is found, then certificate selection fails, and a warning is logged in the client logs.

For more information, see article CS000234071 in the PTC Integrity eSupport portal.

General Notes: Integrity Lifecycle Manager 11.0

Server Configuration and Administration: Integrity Lifecycle Manager 11.0 General Notes

The following notes explain general changes made to Server Configuration and Administration in Integrity Lifecycle Manager 11.0.

Mandatory upgrade to Flexera Software® FlexNet Publisher® 11.13.1.3

Integrity Lifecycle Manager 11.0 now supports the management of Integrity Lifecycle Manager licenses using FlexNet Publisher 11.13.1.3.

If you are upgrading to Integrity Lifecycle Manager 11.0, a FlexNet upgrade is required. To run Flexnet on Solaris, contact Integrity Support.



Note

If you are installing or upgrading to Integrity Lifecycle Manager 11.0, you must manually copy over the lmutil.exe and MKS.exe files (lmutil and MKS for Unix) as part of FlexNet Licensing Server installation. The Integrity Lifecycle Manager server will not start without completing this task. For more information, see the readme.html file included under the /flexnet/doc directory within the Integrity Lifecycle Manager 11.0 server installer ZIP file.

For information on using FlexNet licensing with your Integrity Lifecycle Manager components, see "Installing FlexNet License Server" in the *Integrity Lifecycle Manager Server Administration Guide*. For general information on the new version of FlexNet Publisher, refer to the Flexera product documentation.

Platform and application support for Integrity Lifecycle Manager 11.0

The following are no longer supported:

- Platforms
 - Windows Vista
 - RedHat Enterprise Linux 5 Server
 - RedHat Enterprise Linux 5 Desktop
 - SUSE Linux Enterprise 10 Server
 - SUSE Linux Enterprise 10 Desktop
- Applications
 - Office 2007

For the most current product platform support information, see the Support pages on Integrity Support.

Support dropped for Internet Explorer 9

With the release of Integrity Lifecycle Manager 11.0, Internet Explorer 9 is no longer supported in the Web interface.

Support for Firefox ESR 45.2.0

Integrity Lifecycle Manager 11.0 now supports the Mozilla Firefox ESR 45.2.0 browser on the supported platforms.

Support for MS SQL Server 2014

This release of Integrity Lifecycle Manager 11.0 supports the MS SQL Server 2014

Software Configuration Management: Integrity Lifecycle Manager 11.0 General Notes

The following notes explain general changes made to Software Configuration Management in Integrity Lifecycle Manager 11.0.

Plan to recompute active paths

As part of upgrading to Integrity Lifecycle Manager 11.0, administrators must address an issue that affects the software configuration management functionality for all releases up to and including Integrity 10.9. There was a limitation in active

paths management, where it did not properly take into account the development paths that were created from subprojects. Consequently, features that reference those paths did not properly account for members in development paths created at a subproject level. The following features are impacted:

- Shared member indicator
- Label and development path information in the **Member Revision** section of the Details pane of the Member History view

For those features to work correctly, the active paths must be recomputed for the entire repository. Until that operation is performed, features will continue to use the old (existing) active paths algorithm.

After upgrading to Integrity Lifecycle Manager 11.0, an administrator must recompute the active paths using the isutil -c cmactiveon command while the server is down. The command first clears the existing reference counts used by the active paths algorithm, and then recomputes the reference counts for the entire repository. For information on using the command, see the "Using isutil to Manage the Database Repository" topic in the *Integrity Lifecycle Manager Server* Administration Guide or Integrity Lifecycle Manager Help Center.



Note

Recomputing active paths can take several hours for large repositories. Plan for the server downtime by first running the command on a test server that contains a copy of the source repository. The time used for the test server can then be used to plan the operation on the production server.

Command behavior change when adding a project label

When adding a project label, the **Include Unchanged Subprojects** option now labels both unchanged subprojects and build subprojects. For more information, see "Adding Configuration Management Project Labels" in the *Integrity Lifecycle* Manager Help Center.

Workflows and Documents: Integrity Lifecycle Manager 11.0 General Notes

The following notes explain general changes made to Workflows and Documents in Integrity Lifecycle Manager 11.0.

Limitation when using group documents

As of Integrity Lifecycle Manager 11.0, group documents cannot be specified when creating a document from a template. This change impacts the following command: **Document > Create from template** (in the CLI, imbranchsegment --nobranch).

Miscellaneous: Integrity Lifecycle Manager 11.0 Notes

The following notes explain general miscellaneous changes made in Integrity Lifecycle Manager 11.0.

Changes to documentation packaged with Integrity Lifecycle Manager

Integrity Lifecycle Manager includes the new document *Read This First* (Integrity_11_0.pdf) that contains information on where to find product documentation.

Note that the following PDFs are no longer packaged with the product and are now only available as a download:

- Integrity Lifecycle Manager Gateway User Guide
- Integrity Lifecycle Manager Integrations Builder Guide
- Integrity Lifecycle Manager Server Administration Guide
- Integrity Lifecycle Manager Release Notes
- Integrity Lifecycle Manager Web Services Reference

Also note that the *Integrity Lifecycle Manager User Guide* PDF is no longer being produced. To access user content, see the *Integrity Lifecycle Manager Help Center*

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Server Configuration and Administration: Known Issues

The following notes describe known issues for Server Configuration and Administration.

Product language obscured on installation panel for server

When installing the Integrity Lifecycle Manager server, the product language selection in the **Select Product Language** panel can be obscured by the description text. Note that this issue does not impact the server installation because the product language selection always matches the installer language. The product language selection is presented for informational value and cannot be changed even when it is fully visible. For more information on server installation, see "Integrity Lifecycle Manager Server Installation Process" in the *Integrity Lifecycle Manager Installation and Upgrading Guide*.

For more information on this issue, see article CS247325 in the PTC Integrity eSupport portal.

Null Pointer Exception error when using comp1_clear authentication scheme

When you are upgrading to Integrity 10.9 or Integrity Lifecycle Manager 11.0, and using the authentication scheme "comp1_clear", a NPE error is thrown when the Integrity Lifecycle Manager server starts. As a result, the server shuts down immediately. This occurs because Integrity assumes that a property named "realm" is defined for the comp1_clear authentication scheme. However, this property was deleted prior to Integrity 2009. For more information, see article CS000247012 in the PTC Integrity eSupport portal.

Errors when using Oracle 12c with Integrity 10.8 (1087855)

If your Integrity server is running on an Oracle 12c database, the following errors may occur:

- ORA-01792: maximum number of columns in a table or view is 1000—This error is related to a known Oracle 12c issue (Doc ID 1951689.1, Bug 17376322 "Select Statement Throws ORA-01792 Error"). This defect is addressed by the Oracle patch 19509982.
- ORA-00932: inconsistent datatypes: expected got CLOB—This error is related to a known Oracle 12c issue. A defect in certain versions of Oracle 12c causes query filters to fail when testing the value of a field value attribute (FVA) text field through an item-backed pick list (IBPL) or query-backed relationship (QBR) field. For more information, see article CS218755 in the PTC Integrity eSupport portal at http://www.ptc.com/support/integrity.htm.

Some Integrity Lifecycle Manager user queries may run slower after upgrading to Oracle 12c

After upgrading to Oracle 12c, some Integrity Lifecycle Manager user queries may run slower due to Oracle choosing inefficient SQL plans.

For more information, see article CS218308 in the PTC Integrity eSupport portal at http://www.ptc.com/support/integrity.htm.

Japanese Integrity Lifecycle Manager server installer displays English text (501677)

In the Japanese Integrity Lifecycle Manager server installer, the Case Sensitivity Question window and Previous Installation Detected panel incorrectly displays English text.

Property for silent client install contains incorrect default installation location (502987)

The USER INSTALL DIR property in mksclient.properties incorrectly lists C:\\Program\Files\\Integrity\\IntegrityClient as the default client installation location.



To reflect the default client installation location for the current release, you must modify it to C:\\Program\ Files\\Integrity\\ ILMClient11.

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Oracle error when viewing an item with computations calling QBR fields (497900)

If you create a computation that calls a query backed relationship (QBR) field by name, viewing an item that contains the computed field results in the following error message:

ORA-00904:"X"."ID":invalid identifier



👎 Tip

Create the computation without calling the OBR field by name. For example, assume that you had this computation for getting the total from a QBR field:

IsEmpty(aggregate("<QBR Field Name>",count()),0)

You could get the same results by calling the backing query and correlation field used for the QBR field:

IsEmpty(Query("<Query Name>", <Correlate on>, count()),0)

Integrity 10.0 client (or earlier) connecting to Integrity 10.1 server does not display relationship field if column set contains a column for item revisioning field (692444)

If you have users connecting through the Integrity 10.0 client or earlier, certain display problems can occur in the client GUI if you have configured default column sets that include columns for the new item revisioning fields. If a column is included for an item revisioning field, the older client does not display any information for relationship fields that are referenced by that item revisioning field.

The item revisioning fields that can cause the behavior include: **Revision**, **Revision** Increment Date, Significant Edit Date, Significant Change Since Item Revision, and Item Significant Edit Date on Shared Item. In an older Integrity client, the display problem occurs for all relationship fields that are referenced by any of these item revisioning fields.



To avoid the display problem for older Integrity clients, you can exclude item revisioning fields when configuring your default column sets. Alternatively, you can have users upgrade their older Integrity clients to version 10.1.

SiteMinder Direct security domain does not support authentication with credentials that include UTF-8 multi-byte characters

The SiteMinder Direct security domain does not support authentication with credentials that include the following characters:

- UTF-8 multi-byte character values
- ISO-8859-1/Windows-1251 character values 128-255

If you are configuring the Integrity Lifecycle Manager server to use the SiteMinder Direct security domain, ensure that user credentials do not include these characters.

Increase in default PermGen memory may prevent Integrity servers on 32-bit machines from starting

In Integrity 10.3 through 10.6, the default PermGen memory setting increased from 128 to 192 MB to improve memory management on the Integrity server. In <Integrity server installdir>/config/mksservice.conf, view the following setting:

```
mks.java.additional.24=-XX:MaxPermSize=192m
```

If your Integrity server is running on a 32-bit machine and the server is configured to use all available memory, this increase in PermGen memory may prevent the server from starting. Specifically, there may not be enough memory to allocate to the PermGen memory and also the max heap setting. For example, if your max heap setting is 1024 MB, you may have to reduce the setting by 64 MB to 960 MB. In <Integrity server installdir>/config/mksservice.conf, modify the following setting:

```
mks.java.additional.2=-Xmx1024m
```

If you require assistance, contact PTC Technical Support.

CopyDB errors when copying database to or from an Oracle database if data contain range field with infinity as range boundary (913747)

Under certain conditions, the CopyDB utility fails to copy the RangeDefaults database table if the data contain a range field that has infinity (∞) as a range boundary. Specifically, the following can occur:

- When copying a Microsoft SQL Server database to an Oracle database, the CopyDB utility reports an overflow error.
- When copying from an Oracle database to another database, the CopyDB utility reports that the value is not a valid instance of the float data type.

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The errors are reported to the CopyDatabase.log file, and the RangeDefaults database table is not copied successfully.



🔭 Tip

If you encounter the overflow error or invalid data type error while using the CopyDB utility, finish running the CopyDB operation and then update all affected range fields on the target database. The RangeDefaults table entries are repopulated when you update the range fields.

Short words are ignored when performing duplicate detection for Chinese languages (923230)

For both Simplified and Traditional Chinese, Integrity Lifecycle Manager ignores words fewer than three characters in length when performing duplicate detection.

Silent installer for Integrity server differs from graphical installer (991698)

As of Integrity 10.6, the process of setting the product language for the Integrity server through a silent installer differs from the process of doing so through the graphical installer and from previous Integrity server silent installers.

To set the product language through a silent installer, you must do two things:

1. Specify the silent installer language with the -1 language option when you run the silent installer. Valid values for language are the language codes for supported Integrity languages. For Integrity 10.6 and later, the following language codes are accepted: en (English), ja (Japanese), de (German), zh cn (Simplified Chinese), and zh tw (Traditional Chinese).



Note

Existing customers who are using German or Chinese locales must specify en.

2. Specify a value for the MKS PRODUCT LANGUAGE property in the mksserver.properties file. The value for this property must be one of the supported Integrity languages listed previously.

The product language specified must match the silent installer language. If this is a new server and you require a different supported product language, the silent installer must be run in that language. If this is an upgrade of an existing server, the silent installer must be run in the same language as the existing server's product language.

Integrity Lifecycle Manager relationship data migration in a failover configuration may result in database inconsistencies (1055667)

Integrity Lifecycle Manager relationship data migration in a failover configuration may result in database inconsistencies. This migration is not protected against concurrent migration in a dual-server node installation failover configuration. For more information, including a workaround, see article CS209957 in the PTC Integrity eSupport portal at http://www.ptc.com/support/integrity.htm.

Type name is displayed instead of the display name in the Fields view (1063414)

In the **Fields** view, when the **Allowed Types** column is made visible, names of the **Type** are displayed instead of the display names.

Type name is displayed instead of the display name in error messages (1060781)

In the error messages, name of the **Type** is displayed instead of the display name.

State name is displayed instead of the display name in error messages (1061559)

In the error messages, name of the **State** is displayed instead of the display name.

Type name is displayed instead of the display name (1067762)

In the **Edit Query** window, when you select **Other** under the **visible in item type** filter, name of the **Type** is displayed instead of the display name.

Oracle IM package body is marked invalid as a result of DDL modifications to the Issues table (1079956)

The IM package body that is defined in the Oracle database has a dependency on the Issues table. When the definition of the Issues table is altered—for example, when IM fields are created, edited, or deleted—the status of the IM package body is marked invalid. It must be revalidated before any functions in the package body can be executed again. The Oracle database automatically revalidates the IM package body the next time any function in the IM package body is used.

The importtranslations command does not display the type of the administrative objects on the server-side (1082907)

The server-side output of the importtranslations command does not display the type of the administrative objects. In cases where the names of the different administrative objects are same, during server failure the user cannot distinguish between the different administrative objects.

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responses diag is not updated to account for file vault location (1086070)

Currently, the responses diag does not account for the file vault location.

Viewing project permissions sometimes causes a NullPointerException to occur (1088083)

In the Project view, selecting **Project > Views > View Permissions** intermittently causes a NullPointerException error to occur due to timing-related issues when the view is being initialized.

When the IP address of a referenced external server is updated, the change does not take effect until the Integrity Lifecycle Manager server is restarted (130840)

When the IP address of a referenced external server, such as an email or LDAP server, is changed, the change does not take effect until the Integrity Lifecycle Manager server is restarted. Until the server is restarted, error messages such as the following appear:

mks125593: change package 99999:1 was created on server integrity.server.com:7001. you are currently connected to integrity.server.com:7001. you must be connected to server integrity.server.com:7001 to perform this operation

This issue occurs because Java incorrectly caches the previous network address. For more information, including a workaround, see article CS86871 in the PTC Integrity eSupport portal.

Software Configuration Management: Known Issues

The following notes describe known issues for Software Configuration Management.

Working File Changes view does not update to remove changes that have been submitted

This issue can make it appear as though there are still working file changes that need to be submitted, when in reality those changes have already been submitted. The **Working File Changes** view does not automatically update to remove working file changes from the list under the following conditions:

- The working file changes were made from the Sandbox directory without the members locked.
- The changes were moved into a change package using the Working File Changes view.

- The changes are **Update** entries
- The change package that contains the changes was submitted.

As a workaround, manually refresh the **Working File Changes** view after submitting the change package (View ► Refresh).

For more information, see article CS247540 in the PTC Integrity eSupport portal.

Sandbox view requires a manual refresh to show changes

Sometimes when performing Add Member operations, the Sandbox view can display a member as an unknown working revision.

As a workaround, manually refresh the Sandbox view (View > Refresh).

For more information, see article CS247539 in the PTC Integrity eSupport portal.

Checkpoint by date limitation (1022205)

If the project was previously backed up and restored, and the specified date corresponds to a time before the restore operation, it is not possible to checkpoint that project as of that date or view that project's configuration as of that date.

Projects view may incorrectly display a build sub-subproject as a variant sub-subproject with incomplete variant information (799539)

If a sub-subproject is configured as a variant and its parent subproject is configured as a build, a si projects -- displaySubs call from the Integrity Lifecycle Manager API now correctly returns the sub-subproject without generating an error. However, displaying sub-subprojects from the **Projects** view (in all interfaces) may incorrectly display the build sub-subproject as a variant sub-subproject with incomplete variant name information.

Error when discarding a change package that contains a pending Create Subproject operation and multiple pending entries (905918)

Under certain conditions, an error can occur when attempting to discard a change package. The error (MKS125529) occurs when the change package contains a pending Create Subproject operation as well as multiple pending change package entries that refer to the same member under that subproject.



7 Tip

To resolve the error, discard each change package entry individually, and then discard the change package. If you encounter further problems, contact PTC Technical Support.

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Errors when discarding a change package or change package entries after deleting a project or removing a development path (906663)

Under certain conditions, an error can occur when discarding a change package entry for a project that has been purged from the source repository using the sideleteproject command. To resolve the error, you can discard the complete change package using the Integrity Lifecycle Manager client or the Integrity Lifecycle Manager web client.

In addition, an error can occur when discarding a change package that contains entries for a project on a development path, if that development path has been removed using the si removedevpath command. When this error occurs, the change package may be partially discarded. To resolve the error, you can run the **Discard** operation a second time.

If you encounter further problems, contact PTC Technical Support.

Change package entry operations do not work for From entry types in the Project Change Package Differences view or the Change Package Entries view (1069438)

The Project Change Package Differences view and the Change Package Entries view display Move and Configure Subproject entry types as separate **To** or **From** change package entries.

In cases where you want to perform change package entry operations, such as Move Change Package Entry or Discard Change Package Entry, on a split change package entry, you must select the **To** entry to complete the operation. The change package operation cannot be completed when you select the **From** entry in either view.

Configuration Management Web interface menu issue when using Internet Explorer 10 (937066)

When using Microsoft Internet Explorer 10 to access the Configuration Management Web interface, lists and menus do not expand if they contain a single entry. However, this issue does not cause a loss of functionality. For lists in windows, a single-entry list displays the single available selection. That entry is selected when **OK** or **Apply** is clicked. For menus, the single entry denotes the view that is currently displayed.

Inconsistent line terminators and transactional change packages can result in Submit Change Package operations failing with a non-helpful error message (989442)

The following options are turned on in the Integrity Lifecycle Manager administration client:

- **Preserve Line Terminators in Text Archives If Consistent**
- **Change Packages**
- **Change Packages Transactional**

In this situation, a **Submit Change Package** operation can result in the following error:

MKS125171: An error occurred establishing a connection with the Integrity server. An error occurred while executing a remote method call; nested exception is: java.lang.Error: *** Pending Lock CP entry



🔻 Tip

Reopen the change package and resubmit it.

When creating, adding, sharing, or moving subprojects, the corresponding folder is not necessarily created on the file system (1072555)

In Integrity 10.8 or later, when creating, adding, sharing, or moving subprojects using the CLI or the API, the corresponding folder is automatically created on the file system but only when a Sandbox is in context. When only a project is in context, the folder is not created on the file system.

In the GUI, folders are never created on the file system when creating, adding, or sharing subprojects. You must resynchronize the Sandbox or Subsandbox for the corresponding folder to appear on the file system.

As a result of this change in functionality, the following related Integrity Lifecycle Manager functionality is also impacted:

- In the client, the Working File Changes view displays a newly-created subproject folder that is created using the client as a dropped folder until you resynchronize the Sandbox. This is because the view assumes that a missing folder on disk indicates an intentionally deleted folder, which may not always be the case.
- An out of scope subproject created using the client in a subproject-scoped Sandbox does not exist on the file system nor is it visible in the **Sandbox** view. You must modify the Sandbox subproject scope in order to see the newlycreated subproject in the **Sandbox** view.

Multiple Integrity Lifecycle Manager server groups in the Change Package Entries view (104038)

Change packages are tied to the hostname of the Integrity Lifecycle Manager server. The **Change Package Entries** view displays groups of entries for each Integrity Lifecycle Manager server alias when that server is represented by multiple aliases (such as a qualified hostname versus localhost).

For more information about how to consolidate multiple server aliases by updating change package entries in the Integrity Lifecycle Manager database, see article CS129093 in the PTC Integrity eSupport portal at http://www.ptc.com/ support/integrity.htm.

Working File Changes view does not update the change package summary in the Change Package list after editing (1028508)

In the Working File Changes view, the change package summary shown in the **Change Package** list is not updated when the summary is edited.



👎 Tip

Close and reopen the window in which the Working File Changes view appears.

si movesandbox messages always shown in English (1085482)

When using the si movesandbox command in the CLI, messages are always shown in English, even if Integrity Lifecycle Manager is configured to use a language other than English.

In non-English configurations, an English message heading is shown in a final report after a CP propagation where a development path was extended (1088241)

In non-English configurations, the following English message heading is shown in a final report after a CP propagation where a development path was extended:

Extend devpath command was run on the following subprojects:

The View Permissions window can display partial ACL tree after selecting Normal (mainline) option multiple times (1088458)

You can view ACLs for a project or subproject by selecting **Project > Views > View** Permissions in the Integrity Lifecycle Manager client GUI. The View Permissions window opens and displays the ACL tree for the project or subproject. If Normal (mainline) is selected in the View Permissions window and if you proceed to select Normal (mainline) again, an error occurs. Consequently, the ACL pane of the View **Permissions** window only displays a partial ACL tree.

界 Tip

To view the correct ACL tree for mainline projects, close the **View Permissions** window and open it again.

The Apply Change Package command and Move to Change Package command in the Working File Changes view do not extend multiple lightweight development paths in cases of heterogeneous subprojects (1083797)

The Apply Change Package command and Move to Change Package command in the Working File Changes view automatically extend multiple lightweight development paths in cases of homogeneous subprojects. In cases of heterogeneous subprojects, these operations fail on the first attempt. However, the operations succeed if you run them again

Workflows and Documents: Known Issues

The following notes describe known issues for Workflows and Documents.

Report Recipe with walkDocOrdered should not use the recurseReference parameter (1008882)

If you create a recipe with a walkDocOrdered query to report the contents of a report, avoid using the recurseReference parameter. Otherwise, the content will be out of order, and the section field will not be calculated. For information on using the walkDocOrdered query in report recipes, see the *Integrity* Lifecycle Manager Help Center.

Some processes may run slower after migration to the new relationship table (1028731, 1028897)

After migrating to the new relationship table that is introduced in Integrity 10.7, the following processes may not respond as quickly:

- Running some reports and queries
- Looking up historical relationships
- Branching documents with a large number of items
- Branching segments with a large number of document structure edits
- Working with very large test sessions
- Performing aggregate computations (MS SQL databases only)

Some processes are slower because additional relationship validations are performed. Other processes are slower because the default schema for the relationship table has changed. While the default schema includes indexes that are essential for good performance, further tuning may still be required. As a best practice. PTC recommends that you review and apply the procedures outlined in "Database Performing and Tuning" in the Integrity Lifecycle Manager Performance Tuning Guide. If further assistance is required, contact PTC Technical Support.

In rich text fields, multiple spaces that are inserted between words are collapsed when the item is saved and when Undo is used on a field that has multiple spaces during multiple-row editing (1086556, 1086016)

When an item is saved, extraneous spaces between words in a rich text field are collapsed to ensure clean content. Additionally, if you insert multiple spaces in a rich text field during multiple-row editing, the first selection of **Undo** collapses the multiple spaces. If you never undo this field edit, the multiple spaces are still collapsed when you save your changes.



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If you want multiple spaces to stay intact, press CTRL+SPACE to insert the spaces. When viewing the HTML, displays for each extra space that is inserted using this key combination.

Setting filter criteria while refreshing the Document view does not apply the filter (1028117)

When setting filter criteria while a **Document** view refresh is in progress, the filter criteria is not applied to the **Document** view contents.



👎 Tip

Refresh the **Document** view again to apply the filter criteria.

In the Document view, when a node is saved with a mandatory field left blank, there is no notification message about the missing field value (1140035)

In the Document view, when a node is saved with a mandatory field left blank, a **Mandatory field found** message should appear to notify the user about the missing value. However, this message does not appear. As a workaround, users should look for red field labels to identify missing values for mandatory fields in this scenario.

In the Document view, dragging and dropping a content node in the outline pane causes the content pane to move the selected node out of view (1140390)

In the Document view, when a content node is dragged and dropped in the outline panel, the document is repositioned in the content pane so that so that the selected content node is no longer visible. As a workaround, select the node in the outline again, which returns the content pane to that node.

Word-level document differences may highlight content unexpectedly

When comparing document differences, the word-level difference highlighting in the **Document Difference** view is dependent on how the built-in Java library identifies language-specific word boundaries. As a result, entire sentences may be highlighted instead of individual word differences for some languages, such as Japanese or Chinese.

Also, under some conditions, white space or non-breaking spaces can be highlighted in cases where spaces are interpreted as part of a word difference.

Rich text field content can become cut off without an indication that the content is not visible (1088368)

In the **Document Difference** view or the **Document** view, rich text fields containing fixed width HTML content that is wider than the width of the view, such as tables or images, can be cut off.

Workaround:

In the **Document Difference** view, manually increase the width of the affected column to accommodate the fixed width HTML element. Use the scrollbar in that document pane to see the entire contents of the field.

In the **Document** view, manually increase the width of a column in a field to see the entire contents.

When viewing document differences, hyperlinks cannot be clicked (1086402)

When using the **Document Difference** view to compare two documents, hyperlinks that can appear in rich text fields, relationship fields, and attachment fields cannot be clicked.



👎 Tip

As a workaround, you can view the item details to follow hyperlinks or to access relationships and attachments.

In languages other than English, the "Item added" message is used in the Document Difference view even if two or more items were added (1086019)

If you are using Integrity Lifecycle Manager in a language other than English, the word "item" is always singular in the Item added message in the Document **Difference** view, even if two or more items were added.

A small number of messages are not localized in all languages (1088367)

The majority of the messages in Integrity Lifecycle Manager are localized. However, not all messages are available in every language. As a result, you can expect to find mixed English and localized messages if you are accessing a localized version of Integrity Lifecycle Manager.

Sometimes the Content pane does not scroll to display moved content (1028435)

When using the Outline pane to move content to another location in a document, sometimes the Content pane does not scroll to display the moved content in its new location.

Certain operations on contents or pressing F5 can cause the Content pane to scroll up to show content other than the selected content (1088695)

Performing operations lower in the **Document** view can cause the Content pane to scroll up, rather than showing the selected content on which the operation was performed. This same erroneous behavior can occur when pressing the F5 key to refresh the document. However, you can scroll back to the content on which you performed the operation. Or, if Link with detail is selected as the view layout for the **Document** view, you can reselect the content in the Outline pane. The Content pane then automatically scrolls back to the selected content.

Deselecting an item in the Outline or Content pane does not deselect it in the other pane (1088333)

In the **Document** view, deselecting an item in the Outline or Content pane does not deselect it in the other pane. However, in either pane, you can always press CTRL and then click an item to deselect it.

Document operations may take longer (1028898)

Due to some optimizations made to the **Document** view in Integrity 10.7, operations such as copying, opening, and inserting documents may take longer to complete.

Collapsed branch icon on the Outline pane in the Document view appears incorrectly if keyboard shortcut is used (1029329)

In the Outline pane in the **Document** view, if you use keyboard shortcuts to collapse an item on the hierarchy that has child items under it, the minus sign (-) does not change to a plus sign (+). As a result, it appears that the item does not have any child items.



👎 Tip

If possible, use the mouse to collapse the hierarchy.

In the Document view, removing filters leaves the view in an incomplete state in one particular scenario (1088621)

You can apply both a text filter and a where clause filter in the **Document** view. If a server operation is performed after both of these filters are applied, when you remove first the where clause filter and then the text filter, the view is in an incomplete state. To resolve the following issues and continue working, press F5 to refresh the view.

- The Outline pane still looks filtered.
- The filter spinner keeps spinning in the top left corner of the Content pane.
- The selections in the Outline pane and Content pane are not the same.
- None of the fields in the Content pane are editable inline.



Note

A server operation is a save during multiple-row editing or a delete, move, or save during single-row editing.

NullPointerException if Integrity Lifecycle Manager server connection is lost while loading a large document (1030797)

If your connection to the Integrity Lifecycle Manager server is lost while a large document is being loaded in the Document view, a NullPointerException error occurs.

Running a query using the Run Query toolbar button produces different results (493612)

When you edit a query and save the changes, the query runs and gives you the new results. If you then rerun the query using the **Run Query** toolbar button, you get results based on the original query, before it was edited.

Save As Default command followed by sorting a column or Reset To Default command may show incorrect column set (497891)

After running a guery and modifying the visible columns using the **Configure** Columns command, the Save As Default command sets the column set of the query as the new default. However, after sorting a column or selecting Reset To Default, the column set may incorrectly revert to the one originally displayed when the query was first run, not the default column set established after selecting Save As Default.



界 Tip

Rerun the query to view the new default column set.

Removing a new relationship renders the relationship field no longer editable (501663)

With inline editing for relationships fields enabled in an **Edit Item** view, dragging and dropping a relationship onto an empty relationship field and then removing the relationship renders the relationship field no longer editable.



👎 Tip

To edit the relationship field, close and reopen the **Edit Item** view.

Revision annotation "+" does not display when field is added as column in Items view, Relationships view, or Document view (654525)

When working with item revisioning, the "+" annotation is normally displayed for a Revision field when Significant Change Since Item Revision is true. However, the annotation does not display when the field is added as a column in the **Items** view, Relationships view, or Document view. The "+" annotation indicates that there have been changes since the last revision.



👎 Tip

You can display current column content in all affected views by creating a short text field with the following computation:

```
concat(Revision,("Significant Change Since Item Revision" ? Text("+") : Text("")))
```

To display updates from saved edits or incremented revisions, you can then press F5 to refresh the view.

Potential for inconsistent item history and modification dates during certain recursive document operations when using MS SQL Server **databases** (664007)

For MS SQL Server databases, there is a known timing window that can occur during long running recursive operations, such as incrementing document revisions, changing document projects, and batch edit commands. For longrunning operations that update many items, concurrent edits by multiple users may display an incorrect last modified date.

For example, under such conditions, the edit operation displays in the history as:

```
Wed Apr 11 13:05:00 EDT 2012 Text: My modified requirement text
Wed Apr 11 13:04:00 EDT 2012 Revision: 2.0
```

The last modified date is shown as Wed Apr 11 13:04:00 EDT 2012, when the correct timestamp is the later time of 13:05:00 EDT.

When this occurs:

- You can view the item "as of" either date, and the correct history is shown.
- The modification date does not correctly reflect the last edit time.
- If both users are performing increment revision operations, the revision order is reversed, and the lower revision number has the later revision timestamp. If this results in a minor revision (such as revision 1.4 at 13:05 EDT) with a later timestamp than the subsequent major revision (such as revision 2.1 at 13:04 EDT), you should re-increment the major revision. This ensures future minor

increments use the correct major sequence (such as 2.n). Before reincrementing the major revision, you may also need to delete any labels for the existing major revision.

Tip

- Use process controls to reduce the number of users allowed to make updates prior to using the operations. For example, put the document in a restricted state where only selected users can update it, and then have one user perform the operation.
- Reduce the timing window by reducing the total duration of the recursive operation. You can reduce the duration of the operation by using smaller documents or, for very large documents, by incrementing revisions only on sections of the document rather than on the entire document.
- Use a revision trigger to increment revisions on large documents or sections. The revision trigger has been modified to detect this "out of order" condition and will report an error.

Error installing Japanese Integrity 2009 solution template in Integrity 10.1 on Oracle (685219)

Installing a solution template alm2009j.imt without a prefix and with no sample data on an Oracle database results in an error during installation. The error indicates a file in the template already exists.



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Install the solution template with a prefix.

Dynamic Relationships view does not update when content is saved by selecting Save menu option (686981)

When working in the **Document** view, the dynamic **Relationships** view does not update when you select **Item** > **Save** to save the document content or content in an included document. The problem is limited to the update of the displayed view because the actual content change is saved correctly.



👎 Tip

Press CTRL+S to save your changes and update the dynamic **Relationships** view successfully.

Clearing a rich content field in Firefox 15+ incorrectly repositions the cursor (889410)

In the Workflows and Documents Web interface using Firefox 15 or higher, clearing existing content in a rich content field incorrectly repositions the vertical placement of the cursor. This is a known issue with Firefox 15 and higher. To track this Firefox issue, browse to:

https://bugzilla.mozilla.org/show_bug.cgi?id=846943

Selecting multiple items in Firefox 11+ incorrectly highlights images and text on the page (891109)

In the Workflows and Documents Web interface using Firefox 11 or higher, holding down the Shift key while you select multiple items may incorrectly highlight images and text on the page. This is a known issue introduced in Firefox 11 and may also cause unintended highlighting in other areas of the Web interface. To track this Firefox issue, browse to:

https://bugzilla.mozilla.org/show_bug.cgi?id=739396

F5 key does not refresh the relationship table when working in a floating Item Edit view (919588)

When working in a floating Item Edit view with a relationship table selected, pressing the F5 key does not refresh the relationships in the view.



Tip

You must close and reopen the view to refresh the relationship table in the floating Item Edit view.

Document view does not display incoming external edits inline when performing an inline edit with prompting disabled (920031)

Under certain conditions when performing an inline edit of a field, the **Document** view does not display incoming external edits inline in the content table. The behavior occurs if you have **Item Preview** pane enabled for the view and the **Show confirmation message before saving a modified item** option disabled.

The incoming changes are displayed in the preview pane; however, if prompting is disabled, you are not prompted before saving the changes of your current inline edit and the incoming external changes are then overwritten.



🔻 Tip

To avoid losing any incoming external edits, you can disable the Item Preview pane and also ensure that prompting is enabled. To disable the **Item Preview** pane, select View > Open and click the General tab. Under Item Preview, select the Off option. To enable prompting, select View > Open, click the Messages tab, and select the Show confirmation message before saving a modified item option.

Alternatively, you can also set your view options to allow wrapping of table contents. To allow wrapping of table contents, select View ▶ Open and click the General tab. Under Table Content, select the Wrapping option.



Note

Incoming external edits may also be overwritten if you cancel a conflict detection message without first resolving the differences between your current edit and the incoming external edit. In such instances, you should refresh the view to display the latest content.

Correct row may not be in focus when performing an operation that automatically switches context from one item to another (921069)

When working in the Content pane of a document, the correct row may not always be in focus when performing an operation that automatically switches context from one item to another. For example, if you edit a Test Steps field by performing a copy and paste, the newly pasted item is automatically selected and appears to be in focus. If you then immediately perform another operation, such as an edit, the next command may run on the original (copied) item instead of the new (pasted) item that appeared to be in focus.

The behavior can occur intermittently for relationship fields in the Content pane of the **Document** view. The behavior may also be seen with other operations that automatically switch context from one item to another, such as copy and replace, create related item, delete, and remove.



qiT

After you complete the first operation (such as the copy and paste), click the item that you want to perform the next action on, even if that item already appears to be selected (in focus).

Dragging and dropping in the Outline pane does not update the selection in the Content pane (932436)

In the **Document** view, dragging an item from the bottom of the Outline pane and dropping it on an item in the top of the Outline pane (as a subsection) does not update the selection in the Content pane.

Keyboard shortcuts may not work in some Web interface views and dialogs using Internet Explorer 10 (936610)

When accessing the Integrity Lifecycle Manager Workflows and Documents Web interface using Microsoft Internet Explorer 10, keyboard shortcuts may not work in views and dialogs that contain lists of objects. Some notable areas of the product that are impacted are the **Items** view and locations that use the data filter. Examples of keyboard shortcuts that may not function include the up and down arrow keys for moving to the next or previous item, and Ctrl+A for selecting all items.

Users should not use date-time values to query time entries using the CLI or API (945572)

In the CLI and API, attempting to query time entries with a date-time value instead of a date-only value can cause the query to return unpredictable results. For example, you should not specify something like between time *date_time_A* and *date_time_B* in a query or filter for entrydate in the CLI or API. Both the Integrity Lifecycle Manager GUI and Web client prevent the use of date-time values in such queries.

Querying on Contains or Contained By relationship fields does not return versioned items (953638)

Queries with relationship filters that include **Contains** or **Contained By** relationship fields do not return versioned items.

Cannot specify a versioned item ID when creating a query or rule for an FVA field backed by an ID or Document ID field (956711)

If you create a field value attribute (FVA) field backed by an ID or Document ID field, you cannot specify a versioned item ID when creating a query or rule for the FVA field.



🔻 Tip

Create a query or rule on the ID or Document ID field through the relationship field that backs the FVA field.

Relationship fields in CSV format and nested inline relationship fields do not display versioned item IDs (950971)

If document versioning is enabled, relationship fields configured to display in CSV format and nested inline relationship fields do not display versioned item IDs.

IBPL field backed by a content item type does not update after a document Check In operation (952111)

If an item backed pick list (IBPL) field is backed by a content item type, such as a Test Case, checking in a document does not update the IBPL field in the new versioned content items.

Replacing an existing relationship by dragging and dropping does not display a versioned item ID

If you drag a relationship and drop it on an existing relationship in a relationship field, the confirmation message that appears does not display the versioned item ID of the relationship being replaced.

Tokens appear in the Style pane for reports (991434)

When you copy a static custom report, the labels for attributes of sample screen and printer styles may appear as internal tokens rather than localized text strings. A static custom report is one where the Use report type and style from server property is set to false.

Branching a document takes significantly longer in Share reference mode (1079429)

If you branch a document while in **Share** reference mode, it takes significantly longer than the same operation in Reuse mode.

Warning does not appear when saving a document with blank mandatory field under specific conditions (1088232)

When editing a document in a situation that meets all of the following conditions, the save is unsuccessful without a message to explain why:

- The item preview is in editable mode.
- Multiple-row editing mode is enabled.
- A mandatory field has been left blank.
- The blank mandatory field is not in a document view column.

In this situation, the mandatory field must be completed to successfully save the changes.

Note that if you click again, the message indicating that a mandatory field is blank might appear.

Cascading relevance rules are not handled consistently between single and batch edit modes (1086950)

Fields impacted by a relevance rule that is a result of the evaluation of another relevance rule are not handled consistently between single and batch edit modes.

- In the **Item** view or **Items** view, the value of a non-relevant field in the database is used for rule evaluations.
- During an edit, the value on the screen before the field becomes non-relevant is used for rule evaluations.
- At the end of an edit, the value of the non-relevant field, which is now hidden, is saved to the database if it is a single item edit. The value of the non-relevant field is not saved to the database if it is a batch edit.

During multiple-row editing, a moved content item that is later returned to its original position can still show as an unsaved change (1079429)

During multiple-row editing, you can move a content item (A) and then move, insert, or delete sibling nodes above it. If you change sibling nodes above A and then move A back below its initial sibling, an edit document icon still appears on A. This is because the relative positions of the nodes have changed and must be saved.

During multiple-row editing, if you insert an image in a rich text field and then undo the insertion, the document edit icon still shows in the row header (1086907)

During multiple-row editing, you can insert an image in a rich text field. The document edit icon then shows in the row header to indicate an unsaved change. If you undo this insertion, the document edit icon still shows after your initial

selection of **Undo**. This is because the image insertion actually consists of two additional operations behind the scenes. If you select **Undo** two more times, these additional operations are undone and the document edit icon no longer shows.

During multiple-row editing, undoing and redoing changes in large content blocks cause the cursor and change text to not be visible (1088162)

During multiple-row editing, undoing and redoing changes in large content blocks cause the cursor and change text to not be visible. This is because the cursor and changed text are outside of the content that is currently in view. However, you can easily scroll to the area where the text has been changed.

During multiple-row editing, closing the Document view while a save is in progress can cause a NullPointerException to occur (1087595)

During multiple-row editing, you are able to make a large number of changes before saving them. If you close the **Document** view while changes are being saved, a NullPointerException error can occur. The best practice is to avoid closing the **Document** view while the save is in progress. However, if you accidentally close the view, the save operation should still complete successfully. The error is not related to the save operation itself but rather to refreshing the view after the save.

During multiple-row editing, moving and copying nodes from a different document adds them to a different location than does moving and copying nodes within a document (1085901)

During multiple-row editing, nodes are always added as the first child of its parent when dropped as a subsection. During single-row editing, nodes are always added as the last child of its parent when dropped as a subsection. When moving or copying nodes from a different document into a document that is open for multiple-row editing, the operation is performed as if the document was open for single-row editing. However, moving and copying nodes from a different document should behave the same as moving and copying nodes within the document.

During multiple-row editing, cyclical edit situations can occur when you save (1085706)

During multiple-row editing, you can end up in a cyclical edit situation that cannot be easily resolved. For example, after copying and pasting a number of requirements under the same parent, saving can cause a trigger error to occur. The error indicates that a specific item has already been edited and saved once in this transaction and cannot be changed again. This error is erroneous. A significant edit is likely being triggered, causing the cyclical trigger operation.

During multiple-row editing, after saving changes, the field in focus is not immediately editable (1139296)

During multiple-row editing, immediately after saving, the field in focus is generally available for editing. However, in some cases, the field in focus is not immediately editable. You can click the field to begin editing.

During multiple-row editing, recovery information for relationship fields show only one value (1085858)

If an unexpected shutdown occurs during multiple-row editing, the recovery information that displays when you next open the document shows only one value for relationship fields, even when multiple values were added.

During multiple-row editing, partial recovery of unsaved changes for attachment fields is not possible (1086355)

You can add multiple values to attachment fields. If an unexpected shutdown occurs during multiple-row editing, an attempt is made to recover your unsaved changes when you next open the document. For attachment fields, partial recovery is not possible. Either all unsaved changes are recovered or no unsaved changes are recovered.

During multiple-row editing, recovery of unsaved changes can be incomplete if an end-of-file exception occurs for other than the completion of a successful read (1086634)

During multiple-row editing, recovery of unsaved changes relies on an end-of-file (EOF) exception to detect the end of changes in the backup file. However, an EOF exception can occur in other conditions. For example, EOF exceptions can occur if the file has been truncated or the stream has been misaligned due to serialization errors or compatibility errors. If any of these problems occur, the recovery silently ignores the unprocessed changes and gives the impression that all changes were recovered successfully.



👎 Tip

You can easily check to see if the last changes that you made are restored. If they are present, then none of these problems occurred and all of your unsaved changes were fully recovered.

During multiple-row editing, an attempt at recovering unsaved changes from one unexpected shutdown can result in another unexpected shutdown, placing you in a continual loop (1087951)

During multiple-row editing, it is possible after an unexpected shutdown of the client to get into a situation where the recovery attempt of your unsaved changes results in a subsequent shutdown. Finding yourself in such a continual loop is rare. For more information, see article 218556 in the PTC Integrity eSupport portal at http://www.ptc.com/support/integrity.htm.

During multiple-row editing, the editable item preview steals the focus so that text edits made in the Content pane are not captured (1088618)

Assume that the editable item preview is shown during multiple-row editing and that the active tab in this preview does not contain the text field that you want to edit. When you select this text field in the Content pane and begin to type, the editable item preview steals the focus, displaying the tab with this field. Because the Content pane no longer has focus, the edits that you make after the focus shift are not captured in the Content pane. However, you can select the Content pane to continue typing.

When using a 10.8 or earlier client, shared items may not be filtered as expected (163279)

In Integrity 10.9, shared items are filtered out of most results. However, if an Integrity 10.8 or earlier GUI client is used with an Integrity 10.9 server, shared item filtering may not work as expected. For example:

- Shared items are not filtered when specifying an override query for charts and reports.
- When you view detailed information for a chart, shared items are filtered appropriately. However, if the information is refreshed, the result set changes.
- If the administrator has set shared items to appear in results for a specific query, the results are correct when the query runs initially. However, if modifications are made to the query that cause the results to be reloaded, shared items are added to the results list.

Deleting an item can take a long time

It can take a long time to delete an item. If you encounter long item delete times, article CS119789 contains information to improve performance. The article is available from the PTC Integrity eSupport portal.

Computed field that use a query backed relationship field does not update correctly

Computed fields that use a query backed relationship (QBR) field do not update correctly when the QBR's backing query is modified.

For more information, see article CS121594 in the PTC Integrity eSupport portal.

When saving a perspective with a name that contains invalid characters, an incorrect error message appears (1140262)

When saving a new perspective with a name that contains invalid characters, the following error message appears: "<Integrity installation directory>\Client\user\.mks\ci\<server>^<port>^<username>dv\perspectives\<invalid perspective name> (The filename, directory name, or volume label syntax is incorrect)"

This is an incorrect message. The message should say, "Invalid perspective name."

Perspectives can be shared only if an email client is configured (1141748)

Perspectives can be shared only if an email client is configured. If you attempt to share a perspective and do not have an email client, Integrity Lifecycle Manager stops working and must be restarted.

Perspectives do not work correctly unless the default column context is used (1141712)

When a perspective is shared from the document view, users who receive the emailed perspective link must set their column context to the default. To do so, access the document view for any document, right-click a column heading, select **Column Context**, and select **Default**. If the column context is not set to the default, the user's existing columns are shown instead of the ones that are defined in the perspective

Custom Fields and Custom Field Values Known Limitations

The following Integrity Lifecycle Manager functional areas do not support Custom Fields or Custom Field Values:

- Notification rules
- Copy Fields list
- Oueries
- Batch editing items of types that have custom fields or custom field values configured
- Advanced Filter definitions
- Comparing field-level differences between two document selections using the Document Difference view
- Trigger rules
- List of field assignments in trigger

- Type constraints
- Type attributes
- Query Backed Relationship (QBR)
- Item Backed Pick List (IBPL)
- Field Value Attribute (FVA)
- Sort By field in Report

Custom fields and custom field values are not supported in the following Integrity Lifecycle Manager integrations:

- PTC Integrity Integration Platform and Integrity Integration Platform-based integrations
- PTC Integrity Requirements Interchange Format Utility
- PTC Integrity Requirements Connector version 3.1 or earlier

Documentation Update: PTC Integrity 10.9 custom fields documentation (1142030)

At the time of the Integrity 10.9 release, the following documentation issues are present regarding Custom Fields functionality:

In all versions of the PTC Integrity User Guide and PTC Integrity Help Center:

- In the topic "What are Custom Field Values," details about how **Custom Field Values** are related to the Project backing item are missing.
- In the topic "Known Limitations of Custom Fields and Custom Field Values," some known limitations are missing.

In all versions of the *PTC Integrity Server Administration Guide* and the *PTC Integrity Help Center*:

• In the topic "Using Custom Fields and Custom Field Values," some known limitations are missing.

Changing the Project field value results in the loss of Custom Field Values on items that participate in the project with custom fields defined (1141441, 1141476, 1141928)

Under some circumstances, you may not be warned about the loss of **Custom Field Values**, or the warning message displayed to you may be unclear. To prevent the loss of **Custom Field Values**, use caution when editing the Project field value on the Project backing item or any item that participates in that project with custom fields defined.

Caution

Editing the Project field value also clears values from all versioned items that contain Custom Field Values.

Custom field values do not populate until the newly created item is saved in the Web UI (1139319)

While creating or editing an item in the GUI, the values for the Custom Field **Values** field are populated after you select a project. In the Web UI, the user has to save the item to view the values of the **Custom Field Values** field.

Long values for float fields change during input for custom fields (1138879)

Entering long floating-point numbers for custom fields result in changes in the values that are very close to the boundary for rounding up or down.

Default values in the Custom Field Values field are not displayed when a document is created using a Template (1139815)

When new documents are created using an existing document as a template, default values in the Custom Field Values field are not displayed in the new document

Custom field values are not populated with the default values from the custom fields for subdocument reference node (1140145)

When subdocuments are inserted or included in a document, the Custom Field Values field is not populated with the default values from the custom fields on the subdocument reference node.

The Custom Fields Values table is sometimes not displayed after the project is changed (1140817)

When an item includes custom field values, changing the project sometimes results in loss of the table that displays the custom field values.

To make the table visible, click the border of the window or switch between one application window to another.

While creating a custom field of type pick using an inactive value, an error message is displayed

In the CLI, when you edit a custom pick field and add or update the pick values with any of the deleted pick values, then a warning message is displayed that the value is already being used in the CLI. However, in the GUI, using the deleted

pick value disables the **OK** option. Only positive integers, including 0, can be used as pick values. While creating a custom field of type pick, the pick value is prepopulated according to the largest pick value used (including the deleted pick values).

User can define the Custom Fields fields without assigning any Project to the backing item

While creating a Project backing item, you can keep the Project blank and define the **Custom Fields** fields. You can set the project later and the existing definitions are retained.

Items View incorrectly marks the view as changed when no change exists (1141145)

After reverting a Project field value change on a Project backing item, the Items view incorrectly marks the view as changed when no change exists.

Item Preview does not populate Custom Fields values for a virtual row (1141139)

In the Document view, Item Preview does not populate **Custom Fields** field values for a virtual row. You can ensure that Custom Field Values are enabled in the column set, or you can save the item to make Custom Field Values visible and editable.

In the Web UI, a dropped custom field of type pick is not shown in the Historical view of the non-backing item (1141170)

A dropped custom pick field is not shown in the Historical view of the non-backing item in the Web UI. The dropped custom pick field displays correctly in the GUI.

Custom short text field has no configurable limit in the Integrity Lifecycle Manager administration client (1140951)

Unlike regular short text fields, the administrator has no ability to impose a limit on the size of a short text custom field.

Undo on a custom field does not remove the entire text at once (1140142)

Undoing the value of a custom short text field results in undoing the value character by character.

A text filter on some field values, such as Custom Field Values, are not applied after saving a document (1140751)

Following a document save in multi-edit mode, the Document view is refreshed and a specified text filter is applied before some complex field values, including **Custom Field Values**, are applied. The result is that text filters on those field values are not applied after the save operation. Reconfigure the text filter to see the saved field values.

Not all custom fields are displayed in the Document view for new contents added by a pending import (1141129)

When new content is added by a pending import, not all custom fields are visible in the Document view. Only the custom fields that are specifically set as part of the pending import are displayed. The result is that other fields cannot be set while reviewing the pending import. Save the document to open all custom fields for editing.

In the Web UI, when prompted to confirm a change to the Project field value on the Project backing item with custom fields defined, clicking No does not revert the Project value (1141629)

When prompted to confirm a change to the Project field value on a Project backing item with custom fields configured, clicking **No** to the prompt in the Web UI does not revert the Project value. Revert the Project value manually and save your changes to apply the reverted value.

After changing the Project field value on an item with custom fields defined, the Custom Field Values table is not visible on the History tab (1141625)

After changing the Project field value on an item with custom fields defined, the **Custom Field Values** table is not visible on the item's **History** tab. Setting **Custom Field Values** on the item makes the table visible.

Exception error when batch editing a type that has Custom Fields or Custom Field Values defined (1141480)

When batch editing an item type that has **Custom Fields** or **Custom Field Values** defined, the following error message is logged on the server: java.util.ConcurrentModificationException

This exception error message can be safely ignored.

Exception error when changing the Project field value on an item with custom fields defined in the Web UI (1141717)

After changing the Project field value on an item with custom fields defined in the Web UI, and then reverting the change to the Project field value, the following error message is logged on the server: mks.ci.exception.CIException: Invalid call to fromString() for Custom Field

This exception error message can be safely ignored.

In the Document view, when a node is saved with a mandatory field left blank, there is no notification message about the missing field value (1140035)

In the Document view, when a node is saved with a mandatory field left blank, a **Mandatory field found** message should appear to notify the user about the missing value. However, this message does not appear. As a workaround, users should look for red field labels to identify missing values for mandatory fields in this scenario.

In the Document view, dragging and dropping a content node in the outline pane causes the content pane to move the selected node out of view (1140390)

In the Document view, when a content node is dragged and dropped in the outline panel, the document is repositioned in the content pane so that so that the selected content node is no longer visible. As a workaround, select the node in the outline again, which returns the content pane to that node.

Historical view of a document shows blank columns and clock icons when filters are updated or removed (1141260)

In the historical view of a document, when filters cause rows to be added to the view, blank columns and clock icons appear in the rows that are added. The clock icons imply that information is being loaded, but the view does not update. As a workaround, manually refresh the view when this occurs.

If the Project field for a document is modified on the server while a content item for that document is being updated, changes to custom fields are lost during conflict resolution (1141416, 1141975)

If the Project field on a document is modified on the server while a content item for that document is simultaneously being updated, any changes to custom fields are lost during the conflict resolution process when the content item updates are saved. The conflict resolution window does not show the **Custom Field Values**.

In the Document view, **Custom Field Values** are lost for all custom fields in all nodes of the document. The user does not receive a message or conflict icons that indicate that this data is being removed. The custom fields for the new project are shown. If this is a new item, you must ensure that **Custom Field Values** are enabled in the column set to see these fields.

Undo pasting an image leaves broken image reference (1141442)

When editing a document in the GUI, performing an undo operation can cause a pasted image to appear as a broken image reference. The undo operation does not remove the image as expected. The issue occurs when **Item Preview** is set to **View Only** in the **Options** window for the view. The workaround is to delete the image reference manually.

Perspectives can be shared only if an email client is configured (1141748)

Perspectives can be shared only if an email client is configured. If you attempt to share a perspective and do not have an email client, Integrity Lifecycle Manager stops working and must be restarted.

Perspectives do not work correctly unless the default column context is used (1141712)

When a perspective is shared from the document view, users who receive the emailed perspective link must set their column context to the default. To do so, access the document view for any document, right-click a column heading, select **Column Context**, and select **Default**. If the column context is not set to the default, the user's existing columns are shown instead of the ones that are defined in the perspective.

Test Management: Known Issues

The following notes describe known issues for Test Management.

Integrity Lifecycle Manager client does not always display the mandatory field information message when saving a Test Case (919543)

When working with a Test Case in the floating **Edit Item** view and creating a new Test Step, the mandatory field information message is not displayed if you are attempting to save the parent Test Case and focus is on a non-Order field in the Test Steps table. The Integrity Lifecycle Manager client automatically moves focus to the field where the mandatory information is required. However, no message is displayed to explain the details.

This behavior does not occur when focus is on the **Order** field or when working with embedded edits.



👎 Tip

If you are using a floating **Edit Item** view, you can display the mandatory field information message by resaving your changes.

Inline item creation is not supported for Test Step item types where duplicate detection is mandatory (919132)

Due to certain focus problems encountered with the Potential Duplicates view, the creation of items inline is not supported for Test Step item types where duplicate detection is mandatory. If you have configured a type with the role of Test Step, and have also set mandatory duplicate detection for that type, Integrity automatically disables the creation of virtual rows under the Test Step tab for that type.



Note

Under these conditions, you cannot create a new item through an inline edit operation. However, you can continue to create new related Test Step items using the Create Related Item command.

To allow the creation of a new related Test Step items using inline editing, you must ensure that duplicate detection is not mandatory for the associated type.

Out-of-sync row selection in the Document view after canceling the move of an unsaved virtual row (922361)

After canceling the move of an unsaved virtual row in the **Document** view, the selection in the Outline and Content panes becomes out of sync. This known issue occurs under the following conditions:

- 1. In the Options window for the Document view, enable Item Preview ▶ Editable ► Enable inline editing for relationship field items, and Saving modified items confirmation message.
- 2. In the Content pane, edit the text field in the virtual row for a parent Test Case item.
- 3. In the editable **Item** view, click the **Test Step** tab and add a Test Step item, but do not save the Test Step item.

- 4. In the Outline pane, press Ctrl+Up arrow key to move the unsaved Test Case item
- 5. When prompted to save the item, click **Cancel**.

The Content pane displays the selection on the unsaved virtual row. However, the Outline pane displays the selection on the last saved row. The Outline and Content panes should display the selection on the unsaved virtual row.



₹ Tip

To avoid this issue, PTC recommends saving the virtual row (Test Case) and new item (Test Step) before moving the Test Case. If the Outline and Content panes become out of sync, PTC recommends refreshing the **Document** view or closing and reopening the view.

Clicking a Test Step virtual row in a Test Suite document that does not allow editing causes the row to appear and disappear (922339)

If a Test Suite document is in a state that does not allow editing, clicking a Test Step virtual row with inline editing enabled causes the row to disappear. The row may reappear when performing some actions, such as switching to a different tab and then switching back to the tab containing the **Test Steps** field. However, clicking the virtual row again causes it to disappear.

Warning message for the annotation field in the Test Result Editor does not appear in Firefox (955349)

The ESR17 release of Firefox does not display the new warning message for exceeding 4000 characters in the annotation field of the Test Result Editor.

Third-Party Integrations: Known Issues

The following notes describe known issues for Third-Party Integrations.

Integrity integration with MS Visual Studio does not update after revert operation

After performing a revert operation using the Integrity Lifecycle Manager integration with Visual Studio, the editor displays some old pre-revert content, but the file on disk actually contains the correct content. When the file is later edited, the correct content is used.

For more information, see article CS247731 in the PTC Integrity eSupport portal.

Integrity integration with MS Visual Studio does not update after moving change package entries

When moving change package entries from one change package to another using the Integrity Lifecycle Manager integration with Microsoft Visual Studio, the Work in Progress view does not update to show the changes. However, the change package entries were actually moved as intended in Integrity Lifecycle Manager.

As a workaround for this issue, select Unassociated for the change package entries from the first change package, and then associate the change package entries with the desired change package.

For more information, see article CS247652 in the PTC Integrity eSupport portal.

New default Integrity Lifecycle Manager client installation directory

The Integrity Lifecycle Manager 11.0 release changes the default installation directory of the Integrity Lifecycle Manager client, which affects integrations that were installed with earlier versions of the client. The new default installation directory for the Integrity Lifecycle Manager client is:

- On Windows: C:\Program Files\Integrity\ILMClient11
- On UNIX: \$HOME/Integrity/ILMClient11

The previous directory was ...\Integrity\IntegrityClient10.

If you had a previous version of the Integrity Lifecycle Manager client, PTC recommends that you first disable any existing integrations and then uninstall the previous client before installing Integrity Lifecycle Manager 11.0 client.

If you have installed Integrity Lifecycle Manager 11.0 client and uninstalled the previous client, but did not disable previous integrations, those integrations remain enabled but refer to a location that no longer contains supporting files. In this scenario, SCC integrations are removed due to the missing DLLs. The Visual Studio SDK integration will not operate due to the missing DLL. Eclipse-based integrations will fail after a clean re-start of Eclipse.

If you have installed Integrity Lifecycle Manager 11.0 client without first uninstalling the previous version of the client, the enabled integrations continue to reference supporting files from the old location but open with the new Integrity Lifecycle Manager 11.0 client. Integrations continue to function in this scenario. However, any integration-specific HotFixes applied to the Integrity Lifecycle Manager 11.0 client will not update the supporting files in the old client location.

Disabled toolbar buttons in the Microsoft Visual Studio 2012 integration (902969)

After the initial installation and configuration of the Microsoft Visual Studio 2012 integration, or after uninstalling and reinstalling the integration, some or all buttons in the following toolbars may be disabled, even when all the conditions required to enable the toolbar buttons are met:

- Main Integrity Lifecycle Manager toolbar
- Work In Progress toolbar
- Integrity Lifecycle Manager Items view toolbar

These conditions include an open Visual Studio solution or active change package.



👎 Tip

If you encounter this issue, restart Visual Studio. To avoid encountering this issue, PTC recommends allowing Visual Studio to restart at least once after the integration installation completes.

When using the Microsoft Visual Basic 6 integration, some operations may cause Visual Basic to crash (907102)

When using the Microsoft Visual Basic 6 integration with the Integrity 10 client, certain operations, such as Add Project from MKS Integrity SCC Extension and Create Project from MKS Integrity SCC Extension, may cause Visual Basic to crash. The crash occurs sometime after creating the project or sandbox but before adding any files.



界 Tip

Restarting Visual Basic 6 may solve this issue. If the operation that caused the crash was creating a new project or sandbox, that project or sandbox should now exist, and you can add any files that you were to trying to add in the original operation.

Visual Studio 2012 integration incorrectly reports that a file is not part of the active change package (907105)

When using the Visual Studio 2012 integration to resynchronize, the integration incorrectly includes the file in the Unassociated Changes list instead of the active change package if there are unsaved local changes and incoming changes from the server for the same file. The Integrity Lifecycle Manager client correctly reports

that the file is in the active change package, but the revision being locked is a revision earlier than the resynchronized revision. In such cases, you cannot submit this change package.



🔻 Tip

To avoid the problem, save any local changes before resynchronizing. If you encounter the problem, use the Integrity Lifecycle Manager client to check out the member revision to move the lock on the file to the resynchronized revision. The integration will then correctly report the status of the member.

Integrity Lifecycle Manager to Windchill Integration, and other integrations using the PTC Integrity Integration Platform Integrity Lifecycle Manager Adapter, may not work properly with Integrity 10.6 (991606)

The Relationships method in the currently released version of the PTC Integrity Integration Platform Integrity Lifecycle Manager Adapter is not compatible with Integrity 10.6 and only returns partial data. Any integration using this method, directly or indirectly, only receives data at one level, ignoring data from lower levels. It is confirmed that this issue affects an Integrity Lifecycle Manager to Windchill Integration. When used with Integrity 10.6, this integration only retrieves top-level content nodes from a document.

Newly exceptions reported to older clients may have an incorrect API representation (1078308)

When the Integrity Lifecycle Manager-API uses an Integrity Lifecycle Manager client that is of an older version than the Integrity Lifecycle Manager server it is connected to, and the server throws an exception that the client does not explicitly understand, the Integrity Lifecycle Manager-API reflects this exception by default as an ItemModificationException which may not accurately represent the actual nature of the error. For example, the Integrity 10.8 server has introduced the concept of restricted projects and with it a new exception to report that a user is not allowed to make changes such as through a check-in, add, or drop member operation. Ideally, this new error must be reported as a PermissionException in the Integrity Lifecycle Manager-API, but will not be reported so if the Integrity 10.7 client is being used.

The Integrity API 4.16 representation for the Integrity field that backs an IBPL field retrieved from the im command does not return display name (1087435)

Integrity 10.8 includes Integrity API 4.16. In this new API version, a Java API item representing an Integrity field returns the field's display name using the getDisplayId() method. However, the 4.16 API representation of the

Integrity field that backs an IBPL field retrieved from the im fields ——fields=backedBy command or the im viewfield command still returns the field's name only instead of its display name.

Miscellaneous: Known Issues

The following notes describe known miscellaneous issues.

Hidden branches not included in Branches table when filter criteria is entered in the GUI (1028982)

When you enter filter criteria in the **Branches** table to refine the list of items shown, branches to which you do not have access are shown in the Workflows and Documents Web interface, but not in the GUI.

ViewSet toolbar customization can be reset (1029364)

When an Integrity Lifecycle Manager ViewSet toolbar is customized, such as moving toolbars to other rows, those user modifications are not persisted when the Integrity Lifecycle Manager client window is closed and reopened, or when the ViewSet is customized though the **Customize ViewSet** window. This is due to a third-party component JDK 8 issue. For more information, see https://bugs.openjdk.java.net/browse/JDK-8061636.

Integrity 10 man -h command does not work when client file path includes parentheses (412373)

The Integrity 10 client includes the man command, which displays manual pages with detailed command information. Normally, man displays the plain text version of the specified command's manual page. When specified with the -h option (man -h), the command opens the appropriate CHM file and displays a full HTML version of the specified command's manual page. However, if Integrity 10 client is installed to a location that includes a parenthesis symbol - (- in the file path, the man -h command does not work.

For example, if you installed the 32-bit Integrity 10 client on a 64-bit operating system, the default Windows installation directory includes parentheses as follows:

C:\Program Files (x86) \Integrity\IntegrityClient10

The man -h command does not work in this configuration. This limitation does not affect the man command when run without the -h option.

Note

As a workaround, you can do the following:

- 1. In the **System Properties** window in the Windows Control Panel, go to the **Advanced** tab and select **Environment Variables**.
- 2. Locate the MAN CHM INDEX variable and click Edit.
- 3. Under the **Variable** value, ensure that all references to Integrity client's IDX files are in the 8.3-based format. For example, **Program Files (x86)** is typically *progra*~2. You are able to determine the 8.3-based format by using the dir /x command in the DOS terminal or using a command prompt.
- 4. Click **OK**.
- 5. Restart the DOS terminal or command prompt window from which you attempted to access the man -h command.

For more information on how Windows generates 8.3 file names from long file names, see http://support.microsoft.com/kb/142982.

Integrity interface updates

Integrity 10 provides an updated interface for the Integrity client and Integrity Administration client. However, the product and documentation may contain some legacy graphic elements or references to the MKS brand. For example, some property names and certain integrations still use the MKS brand.

Right-clicking or middle-clicking a menu or option behaves as a left-click (493653)

When you right-click or middle-click a menu or menu option, the option is activated. The expected behavior is that the menu or menu option does not activate on a right-click or middle-click.

External hyperlinks in the Integrity Lifecycle Manager Help Center or documentation do not work

On occasion, clicking external links in the *Integrity Lifecycle Manager Help* Center or in PDF files for Integrity Lifecycle Manager documentation may not open the destination page correctly in your browser.



👎 Tip

If clicking the link does not work, manually copy the entire link to a new browser window or tab. The link should open the destination page correctly.

Japanese characters display as squares in Select Product Language panel on English Solaris OS

When installing the Integrity Lifecycle Manager server, client, or agent on an English Solaris operating system (OS), Japanese characters display as squares in the **Select Product Language** panel. To use Japanese as the product language on Solaris, you must install the Japanese language pack and set a Japanese locale.

English text for links on Integrity Lifecycle Manager server home page (991531)

In the *Integrity Lifecycle Manager Help Center*, the "List of Client Installs" topic documents how to add links to Integrity Lifecycle Manager client installation binary files when configuring the Integrity Lifecycle Manager server home page. The process documented results in English linked text for the following versions of the Integrity Lifecycle Manager server home page: German, Simplified Chinese, and Traditional Chinese.

Formatting of currency, dates, and numbers may change for existing customers using German or Chinese locales after upgrading to Integrity 10.6 (991566)

Existing customers who use German or Chinese locales should expect to see differences in the formatting of currency, dates, and numbers after upgrading to Integrity 10.6.

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Accessing Release Notes from Previous Releases

These release notes include information for the current Integrity release. You can view release notes from previous releases by going to the PTC Integrity eSupport portal at http://www.ptc.com/support/integrity.htm.