

1. TABLE OF CONTENTS

1. Table of Contents	1
2. Document History	2
3. Signatures	2
4. Purpose	3
5. Scope	3
6. Responsibilities	3
7. Verification and Validation Summary	3
8. Verification Details.....	3
8.1. Test Execution Overview	3
8.1.1. Tested Release Builds	3
8.1.2. Testers	3
8.1.3. Test Environment	4
9. Validation Details.....	4
10. Appendix: Changes of the version	4
11. Appendix: Test Results	10
12. Appendix: Additional Regression Tests.....	12

2. DOCUMENT HISTORY

Product Version	Date	Change Description
2.5.6	2026/06/19	2.5.6 is an update for 2.5.5 with some bug fixes

3. SIGNATURES

Signature Meaning	Name	Role	Date	Signature
Author	Ignas Žakaitis	QA Lead	2026/06/23 16:53:35	 sign-p14-i224930-b20260623145335935
Reviewer	Nicolas Von Bandel	CPO	2026/06/23 17:44:40	 sign-p14-i224930-b20260623154440329
Approver	Abbas Dhilawala	CTO	2026/06/23 17:53:06	 sign-p14-i224930-b20260623155306447

4. PURPOSE

This report documents the verification and validation activities results of the Matrix Req release 2.5.6

5. SCOPE

This reports applies to **Matrix Req product version 2.5.6**.

The version is a patch update of previous version 2.5.5
Changes in scope of the version are listed in the "Appendix: Changes" section.

6. RESPONSIBILITIES

Name	Title	Responsibility
Ignas Žakaitis	QA Lead	creating tests, testing, creating reports
Aman Jha	Software QA Engineer	testing
Navya M Muniraju	Junior Solution Engineer	testing
punith C R	Junior Solution Engineer	testing
François Chasseur	Deputy CTO	coding, creating tests, code review
Aloïs Paulus	Software Engineer	coding, code review
Siarhei Klimovich	Software Engineer	coding, code review
Sylvain Caillet	Software Engineer	coding, code review
Abbas Dhilawala	CTO	reviewing and approving V&V report
Nicolas Von Bandel	CPO	reviewing and approving V&V report

7. VERIFICATION AND VALIDATION SUMMARY

7.0.0.1. Validation Summary

No validation was required due to the scope of changes.

7.0.0.2. Verification Summary

- The critical code changes were peer-reviewed and no major issue was found. The minor issues were fixed.
- one remaining non-critical issue found in verification stage was documented as known issues and will be fixed in one of the upcoming releases.
- Penetration testing activities are attested in the attached report.
- The tests were executed using two builds (2.5.6.0-a519ef6, 2.5.6.0-1b7cae3) and no new issues were found in the final build

7.0.0.3. Final Verdict

No new blocking issue was found and the software build 2.5.6.0-1b7cae3 can be released.

8. VERIFICATION DETAILS

8.1. TEST EXECUTION OVERVIEW

All changes have been reviewed and tests have been executed to ensure they are working. A total of 85 manual tests and 40 automated tests have been executed.
The traceability has been reviewed to make sure all changes have been implemented, reviewed and tested as planned.

8.1.1. Tested Release Builds

The tests were executed using 5 builds.

Build	Test Cycle	Number of Tests	Passed Tests
2.5.6.0-a519ef6	First Cycle	85	83
2.5.6.0-1b7cae3	Second Cycle	3	3
2.5.6.0-1b7cae3	Automated Verification Tests	40	40

8.1.2. Testers

Manual tests were executed by 4 testers:

Tester	Number of Executed Tests
Ignas	50
Aman	35
Navya	2
Punith	1

Results of automated verification tests were reviewed by Ignas.

8.1.3. Test Environment

All tests were executed with the latest version of the used browser

Browser / OS	Number of Tests
Windows 11 / Brave 1.91.168 (Official Build) (64-bit)	40
macOS Tahoe 26.4.1 / Brave 1.91.168 (Official Build) (arm64) Chromium: 149.0.7827.54	18
macOS Tahoe 26.4.1 / Brave 1.90.128 (Official Build) (arm64) Chromium: 148.0.7778.217	17
Windows 11 / Brave 1.91.175 (Official Build) (64-bit)	3
Windows 11 / Brave 1.90.124 (Official Build) (64-bit)	3
macOs Tahoe 26.3.1(a)/Chrome Version 148.0.7778.216 (Official Build) (arm64)	3
Windows 11 / N/A (API only)	3
Windows 11 / Firefox 151.0.3	1

Notes

- It was verified that above changes were all changes done to the source code (nothing else changed than the planned changes)
- Tests were executed after the last code review
- All FEAT have been tested (see Appendix: Test Results)

9. VALIDATION DETAILS

n/a - see above

10. APPENDIX: CHANGES OF THE VERSION

FEAT-1251 Test Align does not work in Tables. It merges cells	Author: François Chasseur	Date: 2026/06/23 14:52:22	Revision: 7
✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done			
Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Test Align does not work in Tables. It merges cells			
Downlinks: • SPEC-19 Rich Text Control (richtext) • TC-129 Richtext editor Details			
Short Using any ALIGN function on table cells in a Text Box (via Format → Align or Cell properties → Horizontal align) incorrectly merges the cells instead of just aligning the text, causing display issues.			
Description When applying any alignment function to text within table cells inside a Text Box, the cells are unexpectedly merged together rather than the text simply being aligned within them. This occurs through multiple entry points, including Format → Align → Center, as well as Table → Cell → Cell properties → setting Horizontal align to Center and clicking Save. The expected behavior is for the text to be centered (or aligned as chosen) while the table structure remains intact, with all cells preserved in their original order and layout. Instead, the affected cells get merged, and the resulting display issues vary depending on how many cells were selected when the alignment was applied.			

FEAT-1254 When adding an uplink to DOc, user create their SIGN sometimes	Author: François Chasseur	Date: 2026/06/23 14:52:22	Revision: 7
✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done			
Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / When adding an uplink to DOc, user create their SIGN sometimes			
Downlinks: • SPEC-32 Controlled Documents • TC-9 Controlled Documents			

Short

Fixed an issue in the method that retrieves the list of signatures for a document. Document to signature links are now preserved correctly when other downlinks are added or updated, and only the relevant signed documents are returned.

Description

Fixed a bug in the method that retrieves the list of signatures for a document. The filtering logic has been improved so that only the relevant signed documents are returned, and document to signature links are now preserved correctly when the document has other downlinks. Before this fix, adding a downlink from a DOC to another item (for example, a REVIEW) could cause unexpected behavior on the item, and updating unrelated fields afterwards could remove an existing signature. The same problem affected RISK items with Risk Controls when classical downlinks were added. Signatures and downlinks are now handled independently, so adding or updating downlinks no longer affects existing signatures on the item.

FEAT-1257 Publication crashes with ArrayIndexOutOfBoundsException when steplist field uses "item" as column field name

Author:

François Chasseur

Date:

2026/06/23 14:52:22

Revision:

8

✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Publication crashes with ArrayIndexOutOfBoundsException when steplist field uses "item" as column field name

Downlinks:

- TC-76 QMS Editor test

Short

Fixed a crash that occurred when publishing a QMS document containing a steplist column configured with "field":"item". The XSLT transformation logic has been tightened so that only actual data items within folders are processed, avoiding empty entries in the generated HTML that caused an ArrayIndexOutOfBoundsException.

Description

Fixed a bug where publishing a QMS document could fail with an ArrayIndexOutOfBoundsException in splitAndSaveHtmlFile. The root cause was the XPath selector used during the XSLT transformation, which was too broad and could pick up item elements coming from steplist field definition parameters (initialContent) instead of only the real published items. This happened when a steplist column used "field":"item" in its configuration, since the JSON to XML conversion produced item elements inside the category that looked the same as actual data items. These extra elements led to empty .pi divs in the generated HTML, and the splitAndSaveHtmlFile method then crashed when trying to extract the item ID from the CSS class because the expected token was missing. The XSLT transformation logic has been updated so that the selectors only match items that live inside folders and carry a ref attribute. This change has been applied consistently across the different report sections, which both removes the source of the crash and standardizes how items are selected and displayed across the report. As a result, publishing a QMS document with a steplist column configured with "field":"item" no longer triggers the crash, and the renaming workaround (changing the field name from "item" to something like "itemText") is no longer required.

FEAT-1255 Links in default emails need to be updated

Author:

François Chasseur

Date:

2026/06/23 14:52:23

Revision:

6

✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Links in default emails need to be updated

Downlinks:

- TC-650 Password Expiration Email Support Wording

Short

Fixed an incorrect support link in the automatic password expiration email. User facing messages and API documentation have been updated to consistently refer to "our support" or instruct users to "contact our support" instead of pointing to a specific URL.

Description

Fixed a bug in the automatic password expiration email, which contained an incorrect link to support. As part of this fix, references to customer support have been standardized across user facing messages, email notifications, API documentation, and help messages throughout the product. Instead of directing users to a specific support URL that could change or become outdated, the language now consistently refers to "our support" or asks users to "contact our support." This makes the support references more reliable and easier to maintain going forward. Users receiving the password expiration notice, or any of the other affected messages, will now see consistent and up to date wording when pointed towards support.

FEAT-1258 GetFullTree.linkFolders() misidentifies master folder when orphan folders exist

Author:

François Chasseur

Date:

2026/06/23 14:52:24

Revision:

6

✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / GetFullTree.linkFolders() misidentifies master folder when orphan folders exist

Downlinks:

- TC-5 Tree, Search and Filter

Short

Fixed the project tree response so the category root is identified reliably even when orphan folders are present.

Description

This release fixes an issue in how the project tree is assembled, where the root folder of a category could be reported incorrectly when one or more folders referenced a parent that no longer existed. The root is now identified by its position as the first folder in the category rather than inferred from leftover folders, so the returned tree consistently reflects the real category structure. Folders that still reference a missing parent are recorded as warnings in the server log so administrators can investigate, without corrupting the returned tree. Projects with healthy data are unaffected, and no client changes are required after upgrading.

FEAT-1256 Smartlink not detected in risk factor

Author: François Chasseur

Date: 2026/06/23 14:52:25

Revision: 7

✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Smartlink not detected in risk factor

Downlinks:

- TC-651 Risk Factor Rich Text Smartlink

Short

Fixed an issue where Smartlink references inside rich text risk factors were not detected by the Smartlinks tab in the context frame. The smart link extraction logic now also covers rich text fields within risk factor entries.

Description

Fixed a bug in the Smartlinks tab of the context frame, which lists all the items referenced in rich text boxes, cross project links and similar fields. Previously, when a Smartlink was placed inside a rich text field of a risk factor, the reference was not picked up and did not appear in the Smartlinks tab.

The smart link extraction logic has been refactored and extended so that it now also collects links from rich text fields within risk factor entries, in addition to the field types it already supported. This makes Smartlink detection more accurate and consistent across the different places where rich text can be used.

FEAT-1253 JS issue when some weight = 0

Author: François Chasseur

Date: 2026/06/23 14:52:25

Revision: 7

✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / JS issue when some weight = 0

Downlinks:

- TC-658 Risk Factor Weight 0

Short

Fixed an issue where selecting a risk weight value of 0 (severity or probability) would default to the highest value in the list unless the 0 was at the top. Multiple reductions with a 0 effect can now all be selected individually, no matter where they sit in the list.

Description

Risk weight values of 0 (for severity or probability) are now handled correctly regardless of their position in the list. Before this fix, if a 0 value was not at the top of the list, selecting it on an item would not stick. The system would pick the highest value instead (for example, 10), and users had to save the risk a second time to get the right value in.

This fix also covers a related issue with risk reductions. When two reductions both resulted in a 0 effect (for example, "no impact = 0 on any weight" and "not implemented = 0 on any weight"), only the first 0 in the list could be selected, which made the other 0 value impossible to pick. All 0 value reductions can now be selected individually, even when they appear lower down in the list.

FEAT-1250 Remove support links

Author: François Chasseur

Date: 2026/06/23 14:52:26

Revision: 7

✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Remove support links

Downlinks:

- ATC-20 Help Button
- TC-46 Context Pages

Short

Obsolete "Help", "Support" and "FAQ" tabs were removed from the context frame. Obsolete "Help" button from the footer was removed.

Description

"Help", "Support" and "FAQ" tabs in the context frame and "Help" menu in the footer became obsolete with the Intercom integration.

FEAT-1249 Audit Tools CHANGES / DELETED calendar view search functionality improved

Author: François Chasseur

Date: 2026/06/23 14:52:27

Revision: 5

✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Audit Tools CHANGES / DELETED calendar view search functionality improved

Downlinks:

- [TC-648](#) Search functionality in calendar view

Short

When you search in the search box in the upper right corner of the calendar view, you only filter the already fetched audit entries. However this was not great when wanting to search for specific terms accros all audit logs.

Description

Implement a backend functionality that allow to search for a term in the item 'reference' and/or 'title' in the audit logs by passing an extra parameter in the audit log request. Use this extra parameter in the UI and trigger a search when the user press 'enter' in the search box.

FEAT-1247 List of items truncated image	Author: François Chasseur	Date: 2026/06/23 14:52:28	Revision: 9
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✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / List of items truncated image

Downlinks:

- [TC-646](#) List of items FOLDER containing image

Short

In a document containing a 'List of Items' field with the configuration 'show folder titles as heading with details without markup as text'. In Words and PDFs document, images associated with folder items are truncated when the folder contains direct child items.

Description

In the building process of the Aspose document, resize images contained in top level tables that have only one column to 100% for the width.

FEAT-1246 Ignore smart text in pre blocks, img tags and link attributes	Author: François Chasseur	Date: 2026/06/23 14:52:29	Revision: 6
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✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Ignore smart text in pre blocks, img tags and link attributes

Downlinks:

- [TC-641](#) Smart text replcement in pre blocks, img tags and link attributes

Short

Smart text is not resolved anymore in pre blocks, img tags and link attributes. Smart text is still resolved in link text.

Description

Pre block, img tags and link attributes are explicitly ignored during smart text replacement.

FEAT-1245 Fix incorrect document sections table height in Firefox	Author: François Chasseur	Date: 2026/06/23 14:52:30	Revision: 4
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✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Fix incorrect document sections table height in Firefox

Downlinks:

- [TC-640](#) Document sections table height in Firefox

Short

After performing row deletion in a document sections table and then adding adding any new section the table height wasn't calculated correctly.

Description

Change the order of commands to make sure, the rows are present, when height calculation is happening.

FEAT-1217 Fix dependant weight updates in the risk table view	Author: François Chasseur	Date: 2026/06/23 14:52:31	Revision: 6
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✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Fix dependant weight updates in the risk table view

Downlinks:

- [TC-606](#) Risk is evaluated correctly when shared dropdowns are used with “combined reductions” mode.
- [TC-629](#) Dependant weight updates in the table view

Short

Fix dependant weight updates in the risk table view

Description

Dependant weight updates in the table view wasn't handled correctly after FEAT-1166

FEAT-1248 Document item list names style are not all the same	Author: François Chasseur	Date: 2026/06/23 14:52:31	Revision: 10
✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done			
Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Document item list names style are not all the same			
Downlinks: TC-647 Field names style check for item list			
Short			
In a document with a item list, some field names have a specific style and others don't.			
Description			
Fixing the styling issue for field names contained in table where the 'paragraph' style was not applied because the field name was not set as a paragraph in order to avoid line break.			

FEAT-1259 Risk field rendering in Table of items	Author: François Chasseur	Date: 2026/06/23 14:52:33	Revision: 5
✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done			
Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Risk field rendering in Table of items			
Downlinks: TC-80 Item Table Section			
Short			
Restored rendering of risk fields in document tables of items with fields, which had stopped displaying after a previous fix.			
Description			
This release restores the ability to render risk fields inside a document table of items with fields. A previous fix unintentionally removed the rendering path for these fields, so risk values configured to appear in such tables produced no output even though the configuration was accepted. Risk fields are now displayed again in the table as they were in earlier versions. No configuration changes are required, and documents that already include risk fields in these tables will render correctly after upgrading.			

FEAT-1260 Deleted items search not working as expected	Author: François Chasseur	Date: 2026/06/23 14:52:33	Revision: 5
✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done			
Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Deleted items search not working as expected			
Downlinks: TC-2 Item Creation And Versioning			
Short			
Fixed the deleted items view so search terms now correctly return matching results.			
Description			
This release fixes an issue in the deleted items view where searching for a term that appeared in deleted content returned no results. The search now correctly matches against deleted items and returns the expected entries, so administrators reviewing or restoring previously deleted content can locate items by keyword as intended. No configuration changes are required after upgrading.			

FEAT-1261 Mistake in our Template with explanation	Author: François Chasseur	Date: 2026/06/23 14:52:34	Revision: 6
✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done			
Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Mistake in our Template with explanation			
Downlinks: TC-24 Word Template Test			
Short			
Fixed the Template ID macro placement in the default Word template so it can be copied and reused directly.			
Description			
This release corrects a mistake in the default Word template with explanations, where the Template ID macro was placed in the example column instead of the macro column. As a result, the value visible when toggling field codes did not match the macro name and could not be copied into a custom template without manual adjustment. The macro is now shown in the correct column and can be copied directly into a customer template as documented. No action is required for existing templates that were already built by hand.			

FEAT-1262 Clear job list when the instance starts	Author: François Chasseur	Date: 2026/06/23 14:52:35	Revision: 5
✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done			

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Clear job list when the instance starts

Downlinks:

- TC-655 Jobs List Clearance after Instance Restart

Short

Cleared stale jobs from the job list on instance startup so unfinished jobs from a previous run no longer remain visible.

Description

This release fixes an issue where jobs that were still running when an instance was stopped or restarted continued to appear in the administration job list after startup, even though they were no longer being processed. The job list is now cleared on startup so that only jobs from the current run are shown. Administrators no longer need to remove leftover entries by hand after a restart, and there is no impact on jobs submitted during normal operation.

FEAT-1263 List of items - Items are not sorted correctly when using MRQL in the "Find items by search"	Author:	Date:	Revision:
	François Chasseur	2026/06/23 14:52:36	5

✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / List of items - Items are not sorted correctly when using MRQL in the "Find items by search"

Downlinks:

- TC-60 DOC - List of Items Test

Short

Fixed item ordering in the "Find items by search" list with parent folders included, so items now follow the tree structure instead of being forced into ID order.

Description

This release fixes an ordering issue in the "Find items by search" list when parent folders are included in the results. The list was sorting items strictly by their identifier, which meant that items appeared in numeric order regardless of where they had been moved in the project tree, and could also end up grouped under the wrong parent folder. Items are now ordered according to their actual position in the tree, so they appear in the same sequence and under the same folders as in the project structure. Lists configured without the parent folder option are unaffected, and no client changes are required after upgrading.

FEAT-1275 Notifications are missing in a project	Author:	Date:	Revision:
	François Chasseur	2026/06/23 14:52:37	6

✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Notifications are missing in a project

Downlinks:

- TC-126 Notifications

Short

Fixed missing projects in the todo counts response when a user's most recent todos in a project were not currently visible.

Description

This release fixes an issue where a project could be silently omitted from the todo counts response even when the user had visible todos in that project. The ranking step that selects each user's most recent todos per project was applied before visibility filters, so future-dated todos, todos on deleted items, or todos tied to removed fields could occupy the top ranks and then be discarded, leaving the project with zero rows and dropping it from the response. Visibility filters are now applied during ranking so only currently visible todos are considered, and the project is included in the response as expected. The embedded todo counts returned alongside the global todo list benefit from the same fix. No action is required after upgrading.

FEAT-1276 (N+1) queries for /rest/1/ on 2.5.5	Author:	Date:	Revision:
	François Chasseur	2026/06/23 14:52:38	5

✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / (N+1) queries for /rest/1/ on 2.5.5

Downlinks:

- TC-1 Authentication and Session Handling
- TC-11 XML item and audit export
- TC-35 Project Cloning / Copying
- TC-38 Project Restore and Tagging
- TC-54 Trace Matrix Section
- TC-60 DOC - List of Items Test
- TC-76 QMS Editor test
- TC-80 Item Table Section
- TC-125 Notification Management
- TC-126 Notifications

Short

Improved performance for permission checks, audit exports, and user/group listings by reducing redundant database queries across the Clouds Java server.

Description

This release delivers a set of server-side performance improvements that reduce database load and response times across several frequently used operations. The changes target N+1 query patterns, where the server was issuing one additional database query per item in a list, and replace them with batched, cached, or aggregated queries.

FEAT-1277 Upgrade JDBC driver for 2.5

Author: François Chasseur

Date: 2026/06/23 14:52:39

Revision: 5

✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Upgrade JDBC driver for 2.5

Downlinks:

- TC-1 Authentication and Session Handling
- TC-9 Controlled Documents
- TC-15 Passwords / User Profile
- TC-80 Item Table Section

Short

Upgraded the database JDBC driver to support newer database versions and replace the legacy driver tied to an end-of-life release.

Description

The database JDBC driver bundled with the server has been upgraded to a current release. The previous driver was tied to a database version that has reached end of life, and was too old to reliably connect to newer database versions or take advantage of recent protocol and security improvements.

FEAT-1278 Same password could be reused when it expired

Author: François Chasseur

Date: 2026/06/23 14:52:40

Revision: 5

✓ CODE done ✓ IFU done ✓ FDR done ✓ DHF done

Product Changes / Release 2 / Release 2.5 / 2.5.6 / Bug fixes / Same password could be reused when it expired

Downlinks:

- TC-665 Expired Password Re-Use

Short

Users were allowed to reuse the same password after a password expiration.

Description

From 2.5.6, users will be prompted to use a new password.

11. APPENDIX: TEST RESULTS

Item	Tested By	Execution Date	Last Modification	Test Result
FEAT-1251 Test Align does not work in Tables. It merges cells	XTC-6984 Richtext editor, Smart Text and Smart Link Test (TC-26)	2026/06/11	2026/06/11 18:43:06	passed
	XTC-6985 Various field types admin / config (TC-68)	2026/06/12	2026/06/12 14:35:42	passed
	XTC-6986 Richtext editor Details (TC-129)	2026/06/12	2026/06/15 08:18:40	passed
	XTC-6987 Markup Text Entry (TC-259)	2026/06/09	2026/06/09 15:50:55	passed
	XTC-6988 Verify image display (TC-340)	2026/06/09	2026/06/15 08:36:27	passed
	XTC-6989 Improved text editor (TC-403)	2026/06/09	2026/06/09 16:51:46	passed
	XTC-7008 DrawIO Tests (TC-509)	2026/06/12	2026/06/19 10:58:47	passed
	XTC-7010 List in TinyMCE (TC-308)	2026/06/11	2026/06/11 10:49:27	passed
	XTC-7011 TinyMCE branding (TC-355)	2026/06/11	2026/06/11 10:49:54	passed

Item	Tested By	Execution Date	Last Modification	Test Result
	XTC-7012 Clear formatting and Draw.io (TC-541)	2026/06/05	2026/06/05 18:26:39	passed
FEAT-1254 When adding an uplink to DOc, user create their SIGN sometimes	XTC-6993 Downlink count is never more than one (TC-401)	2026/06/10	2026/06/11 12:49:21	passed
	XTC-7133 Controlled Documents (TC-9)	2026/06/19	2026/06/19 14:55:47	passed with deviation
	XTC-6995 Controlled Documents Customization (TC-41)	2026/06/10	2026/06/10 17:54:32	passed
	XTC-6996 Document TOC and Index Test (TC-49)	2026/06/05	2026/06/05 14:41:06	passed
	XTC-6999 Report Functional Tests (TC-10)	2026/06/11	2026/06/11 18:42:32	passed
	XTC-7002 Items tree for the List of items reference (TC-153)	2026/06/11	2026/06/18 13:41:15	passed
	XTC-7003 List Of Items Title Numbering (TC-190)	2026/06/12	2026/06/12 14:49:54	passed
	XTC-7004 Sub section rendering of packages in SIGN (TC-316)	2026/06/11	2026/06/11 19:19:11	passed
FEAT-1257 Publication crashes with ArrayIndexOutOfBoundsException when steplist field uses "item" as column field name	XTC-7117 QMS Editor test (TC-76)	2026/06/16	2026/06/16 21:08:34	passed
FEAT-1255 Links in default emails need to be updated	XTC-7017 Password Expiration Email Support Wording (TC-650)	2026/06/17	2026/06/17 08:35:20	passed
FEAT-1258 GetFullTree.linkFolders() misidentifies master folder when orphan folders exist	XTC-6982 Tree, Search and Filter (TC-5)	2026/06/11	2026/06/11 11:34:24	passed
FEAT-1256 Smartlink not detected in risk factor	XTC-7135 Risk Factor Rich Text Smartlink (TC-651)	2026/06/19	2026/06/19 14:55:53	passed
FEAT-1253 JS issue when some weight = 0	XTC-7025 Risk Factor Weight 0 (TC-658)	2026/06/15	2026/06/15 13:41:05	passed
FEAT-1250 Remove support links	XTC-7006 Context Pages (TC-46)	2026/06/12	2026/06/12 15:48:39	passed
	XTC-7038 Help Button (ATC-20)	2026/06/19	2026/06/19 15:42:07	passed
FEAT-1249 Audit Tools CHANGES / DELETED calendar view search functionality improved	XTC-7016 Search functionality in calendar view (TC-648)	2026/06/12	2026/06/14 08:24:18	passed
FEAT-1247 List of items truncated image	XTC-7014 List of items FOLDER containing image (TC-646)	2026/06/12	2026/06/14 08:17:10	passed
FEAT-1246 Ignore smart text in pre blocks, img tags and link attributes	XTC-6990 Smart text replcement in pre blocks, img tags and link attributes (TC-641)	2026/06/10	2026/06/10 09:35:04	passed
FEAT-1245 Fix incorrect document sections table height in Firefox	XTC-7005 Document sections table height in Firefox (TC-640)	2026/06/11	2026/06/11 07:27:42	passed
FEAT-1217 Fix dependant weight updates in the risk table view	XTC-6992 Dependant weight updates in the table view (TC-629)	2026/06/10	2026/06/10 10:14:46	passed
	XTC-7013 Risk is evaluated correctly when shared dropdowns are used with “combined reductions” mode. (TC-606)	2026/06/12	2026/06/14 08:13:49	passed
FEAT-1248 Document item list names style are not all the same	XTC-7015 Field names style check for item list (TC-647)	2026/06/12	2026/06/14 08:20:00	passed
FEAT-1259 Risk field rendering in Table of items	XTC-7001 Item Table Section (TC-80)	2026/06/11	2026/06/11 19:17:49	passed
FEAT-1260 Deleted items search not working as expected	XTC-6983 Item Creation And Versioning (TC-2)	2026/06/12	2026/06/14 06:55:48	passed
FEAT-1261 Mistake in our Template with explanation	XTC-6998 Word Template Test (TC-24)	2026/06/11	2026/06/11 10:47:50	passed
FEAT-1262 Clear job list when the instance starts	XTC-7022 Jobs List Clearance after Instance Restart (TC-655)	2026/06/15	2026/06/15 13:43:02	passed
FEAT-1263 List of items - Items are not sorted correctly when using MRQL in the "Find items by search"	XTC-6997 DOC - List of Items Test (TC-60)	2026/06/05	2026/06/05 14:08:11	passed
FEAT-1275 Notifications are missing in a project	XTC-7119 Notifications (TC-126)	2026/06/16	2026/06/18 09:28:03	passed
FEAT-1276 (N+1) queries for /rest/1/ on 2.5.5	XTC-6980 Authentication and Session Handling (TC-1)	2026/06/12	2026/06/15 11:38:38	passed
	XTC-7116 Trace Matrix Section (TC-54)	2026/06/15	2026/06/17 09:11:57	passed

Item	Tested By	Execution Date	Last Modification	Test Result
	XTC-6997 DOC - List of Items Test (TC-60)	2026/06/05	2026/06/05 14:08:11	passed
	XTC-7001 Item Table Section (TC-80)	2026/06/11	2026/06/11 19:17:49	passed
	XTC-7117 QMS Editor test (TC-76)	2026/06/16	2026/06/16 21:08:34	passed
	XTC-7118 Notification Management (TC-125)	2026/06/16	2026/06/17 09:23:20	passed
	XTC-7119 Notifications (TC-126)	2026/06/16	2026/06/18 09:28:03	passed
	XTC-7121 Project Cloning / Copying (TC-35)	2026/06/17	2026/06/19 09:56:10	passed
	XTC-7122 Project Restore and Tagging (TC-38)	2026/06/17	2026/06/18 17:28:29	passed
	XTC-7123 XML item and audit export (TC-11)	2026/06/17	2026/06/17 08:30:38	passed
FEAT-1277 Upgrade JDBC driver for 2.5	XTC-6980 Authentication and Session Handling (TC-1)	2026/06/12	2026/06/15 11:38:38	passed
	XTC-7133 Controlled Documents (TC-9)	2026/06/19	2026/06/19 14:55:47	passed with deviation
	XTC-7001 Item Table Section (TC-80)	2026/06/11	2026/06/11 19:17:49	passed
	XTC-7120 Passwords / User Profile (TC-15)	2026/06/18	2026/06/19 13:17:21	passed
FEAT-1278 Same password could be reused when it expired	XTC-7131 Expired Password Re-Use (TC-665)	2026/06/17	2026/06/17 15:52:40	passed

12. APPENDIX: ADDITIONAL REGRESSION TESTS

Executed Test Case	Execution Date	Last Modification	Test Result
XTC-7132 Smoke Test (UC-1)	2026/06/19	2026/06/19 14:55:38	passed
XTC-6950 Variations, Labels and Filter (UC-8)	2026/06/01	2026/06/09 09:22:11	passed
XTC-6951 Review With Labels (UC-3)	2026/06/15	2026/06/15 08:32:42	passed
XTC-6952 Items and Field Rendering (UC-5)	2026/06/03	2026/06/09 09:22:21	passed
XTC-6953 Item Tree and Navigation and Keyboard (UC-6)	2026/06/03	2026/06/09 09:22:31	passed
XTC-6954 Traceability Test (UC-7)	2026/06/03	2026/06/09 09:22:26	passed
XTC-6955 Testing (UC-9)	2026/06/03	2026/06/11 12:14:24	passed
XTC-6956 Risk Management (UC-10)	2026/06/04	2026/06/11 12:19:11	passed
XTC-6957 Controlled Document Test (UC-11)	2026/06/04	2026/06/11 12:22:06	passed
XTC-6958 Controlled Document Content Test (UC-16)	2026/06/08	2026/06/08 09:20:01	passed
XTC-6959 Audit Log (UC-12)	2026/06/08	2026/06/08 09:38:40	passed
XTC-6960 Searching And Filtering (UC-13)	2026/06/08	2026/06/08 09:41:12	passed
XTC-6962 Email (UC-15)	2026/06/08	2026/06/08 09:43:04	passed
XTC-6963 Design Reviews (UC-27)	2026/06/08	2026/06/08 10:21:48	passed
XTC-6966 Concurrent work (UC-36)	2026/06/08	2026/06/08 10:25:24	passed
XTC-6967 Merging and Branching (UC-38)	2026/06/08	2026/06/18 17:16:31	passed with deviation

	Verification and Validation Report Ver 2.5.6	
	MATRIXSPECS: Validation (VALID)	Date: 2026/06/23 16:21:14
	Internal Document ID: SIGN-670	Page: 13 / 15

Executed Test Case	Execution Date	Last Modification	Test Result
XTC-6968 Gates (UC-25)	2026/06/08	2026/06/08 11:43:47	passed
XTC-6969 Compose Module (UC-39)	2026/06/08	2026/06/08 11:53:59	passed
XTC-6970 Detailed history view (UC-35)	2026/06/09	2026/06/09 09:27:11	passed
XTC-6971 Cleanup tools (UC-33)	2026/06/09	2026/06/11 19:20:53	passed
XTC-6972 Multiple risk categories in one project (UC-32)	2026/06/09	2026/06/09 09:45:01	passed
XTC-6973 FMEA table editing (UC-30)	2026/06/09	2026/06/09 09:55:52	passed
XTC-6974 Frequently Used Functions (UC-37)	2026/06/09	2026/06/09 10:08:26	passed
XTC-6975 Other QMS functions (UC-17)	2026/06/09	2026/06/09 10:27:31	passed
XTC-6981 References Tests (TC-4)	2026/06/11	2026/06/19 11:04:09	passed
XTC-6991 Test and Use Cases basics (TC-7)	2026/06/10	2026/06/15 08:37:40	passed
XTC-7000 Risk Analysis Section (TC-56)	2026/06/11	2026/06/18 13:40:04	passed
XTC-7007 & escaping test (TC-305)	2026/06/12	2026/06/12 15:59:05	passed
XTC-7009 XSS via File Upload (TC-522)	2026/06/12	2026/06/14 08:11:55	passed
XTC-7019 Prevention in MRQL Parent Filter (TC-652)	2026/06/15	2026/06/18 19:31:19	passed
XTC-7020 WLT Endpoint Deprecation (TC-653)	2026/06/15	2026/06/18 19:31:06	passed
XTC-7021 Wordconvert Cross-Project File (TC-654)	2026/06/15	2026/06/18 19:30:44	passed
XTC-7023 Additional Files in Project Restore (TC-656)	2026/06/15	2026/06/18 19:30:08	passed
XTC-7024 User Check in GET Query Parameter (TC-657)	2026/06/15	2026/06/18 19:30:25	passed
XTC-7124 File URL parameter upload URL (TC-659)	2026/06/15	2026/06/19 08:37:00	passed with deviation
XTC-7125 File List Path in Exported Project (TC-660)	2026/06/15	2026/06/19 08:36:36	passed with deviation
XTC-7126 Review Comment Additional Test (TC-661)	2026/06/16	2026/06/18 19:32:48	passed
XTC-7127 Branch History XSS Test (TC-662)	2026/06/16	2026/06/18 19:32:33	passed
XTC-7128 SIGN Item Signature Field (TC-663)	2026/06/16	2026/06/18 19:33:49	passed
XTC-7129 Inline Disposition MIME Types (TC-664)	2026/06/16	2026/06/19 08:36:23	passed with deviation
XTC-7026 Compose Updates (ATC-3)	2026/06/19	2026/06/19 15:41:12	passed
XTC-7027 Compose Update (ATC-4)	2026/06/19	2026/06/19 15:41:21	passed
XTC-7028 Compose License Check (ATC-8)	2026/06/19	2026/06/19 15:41:29	passed
XTC-7030 Token Permissions (ATC-11)	2026/06/19	2026/06/19 15:41:36	passed
XTC-7032 Password Strength Setting (ATC-10)	2026/06/19	2026/06/19 15:41:43	passed
XTC-7033 Password reset duration Setting (ATC-45)	2026/06/19	2026/06/19 15:41:48	passed
XTC-7035 Generate multiple SIGN (ATC-15)	2026/06/19	2026/06/19 15:41:54	passed
XTC-7037 Converting TC to XTC Dead Links (ATC-18)	2026/06/19	2026/06/19 15:42:01	passed

Executed Test Case	Execution Date	Last Modification	Test Result
XTC-7039 Project navigation (ATC-21)	2026/06/19	2026/06/19 15:42:16	passed
XTC-7040 Delete categories in admin (ATC-22)	2026/06/19	2026/06/19 15:43:04	passed
XTC-7041 Project Renaming (ATC-24)	2026/06/19	2026/06/19 15:43:11	passed
XTC-7042 Search text (ATC-25)	2026/06/19	2026/06/19 15:43:16	passed
XTC-7043 XTC Creation Filter Inheritance (ATC-26)	2026/06/19	2026/06/19 15:43:22	passed
XTC-7044 Item out of date indication (ATC-27)	2026/06/19	2026/06/19 15:43:28	passed
XTC-7046 Project groups (ATC-30)	2026/06/19	2026/06/19 15:43:36	passed
XTC-7047 MRQL: Review search (ATC-31)	2026/06/19	2026/06/19 15:43:42	passed
XTC-7049 Downlinks in Locked Items (ATC-37)	2026/06/19	2026/06/19 15:43:49	passed
XTC-7050 Copied Category ID and Name (ATC-38)	2026/06/19	2026/06/19 15:43:55	passed
XTC-7051 Re-indexing of items after configuration change (ATC-39)	2026/06/19	2026/06/19 15:44:01	passed
XTC-7052 Published Item Order (ATC-42)	2026/06/19	2026/06/19 15:44:22	passed
XTC-7053 VisibleOption hides field in folder (ATC-43)	2026/06/19	2026/06/19 15:44:28	passed
XTC-7054 Required fields (ATC-44)	2026/06/19	2026/06/19 15:44:33	passed
XTC-7055 Search Tabbing (ATC-46)	2026/06/19	2026/06/19 15:44:38	passed
XTC-7056 Search List Limit (ATC-47)	2026/06/19	2026/06/19 15:44:43	passed
XTC-7057 Risk Factor Options (ATC-48)	2026/06/19	2026/06/19 15:44:49	passed
XTC-7059 Automatic XTC results (ATC-50)	2026/06/19	2026/06/19 15:44:54	passed
XTC-7060 Field Default Values (ATC-51)	2026/06/19	2026/06/19 15:45:00	passed
XTC-7061 Autosave Hint (ATC-54)	2026/06/19	2026/06/19 15:45:05	passed
XTC-7063 Project Merging (ATC-16)	2026/06/19	2026/06/19 15:45:11	passed
XTC-7064 Folder Merging (ATC-33)	2026/06/19	2026/06/19 15:45:17	passed
XTC-7065 Last Child Exact Searches (ATC-17)	2026/06/19	2026/06/19 15:45:23	passed
XTC-7066 Uplink Downlink Folder Search (ATC-9)	2026/06/19	2026/06/19 15:45:28	passed
XTC-7067 MRQL Test Searches (ATC-28)	2026/06/19	2026/06/19 15:45:33	passed
XTC-7068 MRQL Risk Search (ATC-35)	2026/06/19	2026/06/19 15:45:38	passed
XTC-7069 Author and Editor Searches (ATC-34)	2026/06/19	2026/06/19 15:45:44	passed
XTC-7070 Dropdown and Label Searches (ATC-19)	2026/06/19	2026/06/19 15:45:49	passed
XTC-7071 Categories Ending in F Searching (ATC-23)	2026/06/19	2026/06/19 15:45:55	passed
XTC-7076 Calendar Log (ATC-14)	2026/06/19	2026/06/19 15:46:01	passed
XTC-7082 QMS Project lastPublication Parameter in Exported/Cloned Projects (ATC-64)	2026/06/19	2026/06/19 15:46:07	passed
Attachments			
pentest-report-3511.pdf			

	Verification and Validation Report Ver 2.5.6	
	MATRIXSPECS: Validation (VALID)	Date: 2026/06/23 16:21:14
	Internal Document ID: SIGN-670	Page: 15 / 15

03 April 2026

Penetration Test Report

For MatrixRequirements

Table of contents

1. Executive summary	1.1 Confidentiality statement	3
	1.2 Report Overview	3

Appendices	A. Scope & Methodology	4
	B. Vulnerability Coverage	5
	C. Glossary	6

1. Executive Summary

1.1 Confidentiality statement

This document was prepared by **Aikido** for **MatrixRequirements**. MatrixRequirements may share this letter with third parties for due diligence, RFP responses, and compliance purposes to demonstrate that a penetration test was performed. Detailed findings are documented separately in the full penetration test report.

1.2 Report Overview

On **03 April 2026**, Aikido conducted a **white box** web application penetration test for MatrixRequirements focused on the application(s) within the defined scope. The configured scope was limited to the following domains and associated endpoints:

- <https://pentest1.matrixreq.com>

The assessment was completed and the results were reported to MatrixRequirements. This letter attests that the penetration test was performed in accordance with the defined scope and methodology. Detailed findings are documented in the full penetration test report.

Appendices

A. Scope & Methodology

Methodologies

The penetration test followed a structured engagement lifecycle aligned with industry-standard methodologies, including OWASP Testing Guide v4.2, PTES, NIST SP 800-115, OWASP ASVS, and the OWASP AI Testing Guide, including agentic behavior testing.

- Engagement scope and configuration were validated prior to and during testing
- Findings were reviewed for accuracy and severity classification
- Results can be escalated for further analysis upon request
- Methodology is continuously refined based on emerging threat intelligence

Penetration test types

	Black box	Grey box	White box
Goal	Assess security defences against a cyber attack	Assess security defences against a cyber attack	Assess security defences against a cyber attack
Access level	Zero access or internal information	Some internal access and internal information	Complete open access to applications and systems
Pros	Most realistic Testing is performed from point of view of attacker	More efficient and complete than Black Box while saving time and money Testing is performed from point of view of attacker	More comprehensive, less likely to miss a vulnerability Testing is performed from point of view of attacker
Cons	Time consuming and more likely to miss a vulnerability	More hidden vulnerabilities might be missed	More action required by client to provide information and more time necessary to process documents

B. Vulnerability Coverage

OWASP Top 10 Compliance

The penetration test covers the OWASP Top 10 vulnerability categories and includes agentic behavior testing aligned with the OWASP AI Testing Guide, helping identify critical web application and AI-agent behavior risks.

Tested Vulnerability Classes

The penetration test explicitly checked for the following vulnerability types:

Injection & Execution	Authentication & Access Control
SQL, NoSQL, XPath, & LDAP Injection	Broken or Improper Authentication
Cross-Site Scripting (XSS)	Missing Authentication for Critical Functions
Server-Side Request Forgery (SSRF)	Insecure Direct Object Reference (IDOR)
Server-Side Template Injection (SSTI)	Improper Access Control
Local File Inclusion (LFI)	Cross-Site Request Forgery (CSRF)
Insecure Deserialization	Excessive Authentication Attempts

Data Security & Logic	Configuration, Files & Cryptography
Business Logic Flaws	Unrestricted File Uploads
Exposure of Sensitive Information	External Control of File Name or Path
Information Exposure via Errors	Open Redirects
Directory Listing Enabled	Improper JWT Signature Verification
Web Cache Poisoning	Broken or Risky Cryptographic Algorithms
Insufficient Data Authenticity	Hard-Coded Passwords or Credentials
Reliance on Cookies Without Integrity	Insufficiently Protected Credentials

C. Glossary

Authentication	The process of verifying the identity of a user, device, or system before granting access to resources.
Authorization	The process of determining what permissions an authenticated user has and what resources they can access.
CVSS	Common Vulnerability Scoring System - A standardized method for rating the severity of security vulnerabilities.
IDOR	Insecure Direct Object Reference - When an application provides direct access to objects based on user-supplied input without proper authorization checks.
PII	Personally Identifiable Information - Any data that could potentially identify a specific individual.
SQL Injection	A code injection technique where malicious SQL statements are inserted into application data entry points.
XSS	Cross-Site Scripting - A vulnerability that allows attackers to inject malicious scripts into web pages viewed by other users.
WAF	Web Application Firewall - A security device that monitors, filters, and blocks HTTP traffic to and from a web application.