

Patch documentation

imc Learning Suite

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|--|--------------------|
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1 Migration Notes

1.1 Learning path learning logic migration



Due to the comprehensive enhancement of learning logic in learning paths a migration is needed for systems migrating to 14.10.0 in order to keep previous set up logic. The migration will be done via a java update class. The run time of migration might be very long depending on the amount of learning paths and learning logic. Please plan it accordingly.

1.2 Clean-ups

With the migration necessary clean-ups were executed, removing functional settings and no longer supported features.

1.3 Client configuration files migration

Several settings from the client configuration files were brought to the UI. Please ensure, that these settings are set properly.

With version 14.10.0 it will be automatically checked if these settings are defined in the client configuration files and then overtaken.

1.4 IDD module migration to certifications module



The module specific for IDD will be replaced by the certifications module. Therefore a migration is necessary to carry over data between both modules.
A new license "Certifications" must be enabled to use certifications.

What will happen during the migration?

- If at least one user exists on the system with the person attribute "IDD relevant".
 - Every course with the IDD meta tag will receive the certification IDD with the given amount of hours.
 - Every course template with the IDD meta tag will receive the certification IDD with the given amount of hours.
 - The newly created certification will be assigned to every user who is IDD relevant.
 - All courses and hours of the active period will be transferred to the IDD certification and awarded to the users with the certification.

What will be available after the migration?

- All IDD reports will still be available.
- IDD meta tags will be deactivated. It will not be possible to add them anymore.
- IDD certifications will be created with a runtime of 12 months, from 01.01. until 31.12. with the set amount of 15 hours. The reset type is always reset.

2 Patch Documentation



2.1 About this document

This paper documents the changes to the imc Learning Suite in the specified version. These changes typically resolve known program errors. The resolved errors are listed individually.

For each resolution, an area is listed where the corresponding issue was located and solved. Furthermore, a risk assessment was made based on the source code changes which were needed to be made to resolve the issue. This risk assessment does not assess a risk for a certain use case or scenario because this varies for each customer individually.

Each change was checked according to the certified processes (ISO 9001:2008) of our development and QA department – at least two times before delivery. It is nevertheless recommended to perform additional testing of customer specific scenarios or use cases, if a change was made in an area that could have an impact on these scenarios.

2.2 Modifications in version 14.10.0

| Area | Risk of changes | | | |
|--|--------------------|--------|-----|-------------------|
| | High ^{*)} | Medium | Low | No noticable risk |
| Accessibility | | | 11 | 6 |
| Architecture | 1 | 4 | 25 | 99 |
| Attendance tracking | | 1 | 3 | 1 |
| Avetmiss | | | | |
| Bookshelf | | | | |
| Catalogues | | 2 | 7 | 4 |
| Certifications | | 6 | 6 | 1 |
| Clients / Multi tenant | 3 | 8 | 6 | |
| Compliance Workflows | | | | |
| Courses | 1 | 11 | 34 | 15 |
| Dashboards | 2 | 4 | 17 | 15 |
| Data privacy | | | | |
| Documentation | | | 4 | 39 |
| e-Payment gateway | | | | |
| e-Portfolio | | | | |
| Easy Course Creation | | | 2 | 2 |
| Emails & Notifications & iCal | 1 | 1 | 8 | 4 |
| Enrolment processes | | 3 | 2 | 3 |
| Feedbacks | 1 | 1 | 5 | 1 |
| Gamification | | 5 | 8 | 3 |
| Integration and interfaces (3rd party) | | | 4 | |
| Language handling | | | 1 | |
| Learner area | | 1 | 3 | 1 |
| Learning App Windows | | | 3 | 3 |
| Learning paths | 2 | 6 | 5 | 1 |
| Media | 1 | 5 | 15 | 5 |
| Miscellaneous | 6 | 28 | 125 | 120 |
| Mobile Apps | | | 1 | 2 |
| Multi language support | | | | |
| Navigation | | 2 | | 1 |
| On-the-job Training | 1 | 9 | 25 | 12 |

| Area | Risk of changes | | | |
|-------------------------------|--------------------|-----------------|-----------------|--------------------|
| | High ^{*)} | Medium | Low | No noticeable risk |
| Performance support (PGS) | | | | |
| Recommendation engine | | | | |
| Reporting | | 2 | 15 | 2 |
| Resource Management | | | 3 | |
| SCORM / AICC | | 1 | 1 | 2 |
| Skill & Competency Management | 2 | 7 | 15 | 2 |
| Supervisor functions | 1 | | 1 | 3 |
| System Validation | | | 1 | |
| System wide components | 4 | 6 | 28 | 9 |
| Testing & Assessment | 1 | 12 | 14 | 2 |
| Time Zone Handling | | 1 | | |
| Tutor functions | 1 | 2 | 3 | 7 |
| User / group management | | | 7 | 2 |
| User experience and design | | | 2 | 4 |
| Virtual Classrooms | | | 3 | |
| Wording | | | | 3 |
| Total: 943 issues | Sum: 28 | Sum: 128 | Sum: 413 | Sum: 374 |

^{*)} Notes about modifications with “high risk of changes”:

| Area | Description of fixed issue |
|-------------------------------|--|
| Architecture | S3/minio test not available. |
| Clients / Multi tenant | Drop client ID for self registration & design. |
| Clients / Multi tenant | Drop list of available clients. |
| Clients / Multi tenant | Defining a default client. |
| Courses | Job closing classroom trainings in the past. |
| Dashboards | Remove „new-“ prefix from all dashboard links. |
| Dashboards | Two JavaScript error messages in console output. |
| Emails & Notifications & iCal | Move push notification configuration to configuration manager. |
| Feedbacks | Offline tests are missing from course types although they are not documented as being a dropped feature. |

| Area | Description of fixed issue |
|--|---|
| Learning paths | Participants are displayed as not certified in the participant administration. |
| Learning paths | Catalogue - Access to learning path and syllabus preview takes too long time. |
| Media | Refactoring moved Webex implementation. |
| Miscellaneous | Supporting "Add/Remove an item" from the shopping cart in the front end. |
| Miscellaneous | Sending LMS/store name to Shopify and optimising webhook handling. |
| Miscellaneous | Security issue in "clix.conf". |
| Miscellaneous | Moving some Webex Features from custom to standard. |
| Miscellaneous | Configuration changes in "systemintegration.xml" and "application.properties". |
| Miscellaneous | Scrollbars did not work correctly in EQS Manager. |
| On-the-job Training | Front end - Create a simple individual learning plan. |
| Skill & Competency Management | Performance improvement: Decouple load from initial skill page load. |
| Skill & Competency Management | Respect "level selection mandatory" configuration. |
| Supervisor functions | New on-the-job training does not keep the title defined at OJT template level. |
| System wide components | Improvements in environment configuration. |
| System wide components | Data base configuration change in "systemintegration.xml" and "application.properties". |
| System wide components | Wrong certificate date when downloading a certificate from Learner area. |
| System wide components | Environment configuration in "clix.conf". |
| Testing & Assessment | API for users of proctored Tests - enrolment of learner to course in Examity. |
| Tutor functions | Append participant ID to the name of the document. |