

# Patch documentation

**imc Learning Suite**

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Author(s); Dr. Peter Zönnchen

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# 1 Migration Notes

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## 1.1 Migration of the External ID for courses



With the extensions introduced for the learning history import, a migration was needed such that a different database column is used from now on to store the external ID of courses and course templates as defined via the CSV import file. The migration impacts courses and will copy the value, if it exists and is different than 'SAP', from the External System ID to the External Migration ID column. The purpose of the migration is to ensure that customers who have previously used the CSV course import and have provided external IDs can still use the import files and refer to the already created objects by referencing the same ID.

## 1.2 Configuration move to UI



A lot of configuration parameter were moved to UI.

## 1.3 Learning path learning logic migration



Due to the comprehensive enhancement of learning logic in learning paths a migration is needed for systems migrating to 14.12 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.

## 1.4 Clean-ups

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

## 1.5 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 14.12 it will be automatically checked if these settings are defined in the client configuration files and then overtaken.

## 1.6 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 14.12

Area	Risk of changes			
	High *)	Medium	Low	No noticeable risk
Accessibility				
Architecture	2	2	1	18
Attendance tracking	1			
Avetmiss				
Bookshelf			1	
Catalogues	1	9	6	1
Certifications	1		4	1
Clients / Multi tenant			1	
Compliance Workflows				
Courses	2	4	2	1
Dashboards		1	2	
Data privacy			1	2
Documentation				2
e-Payment gateway				1
e-Portfolio				
Easy Course Creation			3	
Emails & Notifications & iCal		1	1	5
Enrolment processes	2	4	4	2
Feedbacks	1		1	
Gamification				
Integration and interfaces (3rd party)	1	1	5	
Language handling				
Learner area				1
Learning App Windows				
Learning paths	2	4	1	1
Media		1	2	1
Miscellaneous		54	101	90
Mobile Apps	2	2	2	
Multi language support				
Navigation		1		
On-the-job Training	6	9	6	3

Area	Risk of changes			
	High *)	Medium	Low	No noticeable risk
Performance support (PGS)				
Recommendation engine				
Reporting	1		7	3
Resource Management				
SCORM / AICC				
Skill & Competency Management			2	1
Supervisor functions	2		1	
System Validation				
System wide components	9	1	2	8
Testing & Assessment		6	32	6
Time Zone Handling				
Tutor functions			1	
User / group management				
User experience and design	1		1	1
Virtual Classrooms				2
Wording				1
<b>Total: 475 issues</b>	<b>Sum: 34</b>	<b>Sum: 100</b>	<b>Sum: 190</b>	<b>Sum: 151</b>

\*) Notes about modifications with “high risk of changes”:

Area	Description of fixed issue
Architecture	Fixed an issue with a configuration file.
Architecture	Fixed an issue with a configuration file.
Attendance tracking	Fixed an issue with the “Attendance tracking” button.
Catalogues	Fixed an issue with the enrolment form in Catalogues for mobile apps.
Certifications	Fixed an issue with the design of a progress bar.
Courses	Fixed an issue with the “reset course” functionality.
Courses	Fixed an issue in the management of content.
Enrolment processes	Fixed an issue with the display of the status of a user.
Enrolment processes	Fixed an issue with Shopify changes.
Feedbacks	Fixed an issue where the usage of a Facebook configuration is removed.
Integration and interfaces (3rd party)	Fixed an issue with the Calendar.



Area	Description of fixed issue
<b>Learning paths</b>	Fixed an issue with the learning logic.
<b>Learning paths</b>	Fixed an issue with Reports/Searches.
<b>Mobile Apps</b>	Fixed an issue with not brandable plugins.
<b>Mobile Apps</b>	Fixed an issue with not brandable plugins.
<b>On-the-job Training</b>	Fixed an issue with the "Review" button.
<b>On-the-job Training</b>	Fixed an issue with the status seen from learner's view.
<b>On-the-job Training</b>	Fixed an issue with the status seen from mentor's view.
<b>On-the-job Training</b>	Fixed an issue with the count of attempts.
<b>On-the-job Training</b>	Fixed an issue with the count of attempts.
<b>On-the-job Training</b>	Fixed an issue with the count of attempts.
<b>Reporting</b>	Fixed an issue with the rating on the Description page.
<b>Supervisor functions</b>	Fixed an issue with the Manager Template.
<b>Supervisor functions</b>	Fixed an issue with secure passwords in HTTP response.
<b>System wide components</b>	Fixed an issue with a configuration parameter.
<b>System wide components</b>	Fixed an issue with learner and microservice changes.
<b>System wide components</b>	Fixed an issue with the "Add Related courses" drawer.
<b>System wide components</b>	Fixed an issue with defining default values for some configuration settings.
<b>System wide components</b>	Fixed an issue with the IDP configuration manager.
<b>System wide components</b>	Fixed an issue with an external toolkit.
<b>System wide components</b>	Fixed an issue with the configuration for LDAP server.
<b>System wide components</b>	Fixed a security issue in the settings for SMTP server.
<b>System wide components</b>	Fixed an issue where a configuration file is replaced by some internal classes.
<b>User experience and design</b>	Fixed an issue with the replacement of SAML2 authentication.