

Secure LTI 1.1 to LTI 1.3 Migration Results in Duplicate User Creation

Article Number

000078686

Description

The security fix for LTI 1.1 to LTI 1.3 conversion not only adds `oauth_consumer_key_sign`, but also a new `user_id` parameter that is passed to the `1p1` claim. The `user_id` is only meant to be passed if the sub from LTI 1.3 is different to the existing `user_ids` that were passed before in LTI 1.1. Learn is now passing the same `user_id`'s for sub and `user_id` between LTI 1.1 and LTI 1.3. This results in duplicate user creation in the tool provider system.

KB Product

Learn SaaS

Last Modified Date

Fri Apr 11 19:11:01 GMT 2025

Release (General)

9.1;SaaS

Service Packs

Learn 3900.84.0;Learn 3900.86.0;Learn 3900.89.0;Learn 3900.91.0;Learn 3900.93.0;Learn 3900.95.0

Steps to Replicate

1. Check the LTI 1.3 launch of content that has been converted from LTI 1.1 from Blackboard Learn
 2. Observe that Learn is now passing a 'userId' claim in the new `1p1` claim that were not being passed previously.
 3. Observe that duplicate users are created in the tool provider system
-

Summary

Secure LTI 1.1 to LTI 1.3 migration passes the same `user_id`'s for sub and `user_id` between LTI 1.1 and LTI 1.3 which results in duplicate user creation in the tool provider system.

Target Release

SaaS - Fixed (v3900.95.0-rel.36 or higher)

Title

Secure LTI 1.1 to LTI 1.3 Migration Results in Duplicate User Creation
