

Blackboard

Invalid or Missing Deep-Link ID for LTI 1.1 and LTI 1.3 Launches in Ultra Courses

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Product: Blackboard Learn

Release: SaaS

Service Pack(s): Ultra

Description: LTI Deep links may have invalid or missing ID when launched in Ultra Experience Courses.

Steps to Replicate:

1. Create an LTI 1.1 or 1.3 tool provider which supports Deep Linking
2. Create a **Course Content Tool** placement and check the box for **Supports Deep Linking**
3. Create an Ultra Experience Course
4. Enter the course and click the course contents **(+)** icon to create a **Document > Add Content**
5. In the Rich Text Editor click **(+) > Insert/Add LTI Item**
6. Use the placement from step 2
7. Launch the tool using the browser network inspector to capture the POST request (LTI 1.1) or JSON Web Token (LTI 1.3)

Expected Behavior:

The tool launch will pass a valid Deep Link claim with the valid ID of the document created in step 4.

Observed Behavior:

If this is an LTI 1.1 provider: There is no resource_link id in the LTI 1.1 deep link request

If this is an LTI 1.3 provider: the resource_link has an invalid ID

Symptoms: For LTI 1.3 the invalid claim from the JWT looks like this:

```
"https://purl.imsglobal.org/spec/lti/claim/resource_link": {  
  "description": "deep link",  
  "id": "_13_laaambkdeeplink",  
  "title": "aaambkdeeplink"  
},
```

Target Release: SaaS - Fixed (v3900.8.0)

Patch Available: No