



UO API

[Drupal 8](#) app hosted on UO Drupal Hosting.

PII Data

User email, name & possibly password

User generated content, e.g. H5P content, voiceboard messages, etc.

Security

- Requires authenticated session via PHP (Drupal)
- Requires CSRF token on all requests with same-origin policy.
- Requires HTTPS on all requests.
- Allows authentication via UO (SAML), LTI (OAUTH), and Google/Facebook (OAUTH2).
- Content is restricted by lesson, users must be given access via owner to view any content, media, or LRS data associated with lesson.
- Database not directly accessible, only requests from server are allowed.

AWS Media Server

PHP 7 Symfony application hosted on AWS ECS.

PII Data

User generated content, e.g. video or documents with PII content.

Security

- Requires authentication via username/password.
- Requires signed JWT on all requests.
- Requires HTTPS on all requests.
- Requires all requests originate from UO Drupal Hosting servers.
- RDS & S3 not directly accessible, access controlled via media server application.
- All access to media (including streaming) requires time limited token generated via AWS.

Learning Record Store

[Learning Locker](#) app hosted on AWS ECS.

PII Data

None. All data keyed via unique id generated on API server.

Security

- Requires client key and secret on all requests (Oauth1)
- Requires HTTPS on all requests.
- Requires all requests originate from UO Drupal Hosting servers.
- RDS database not accessible outside VPC, data access controlled via LRS application.