

PebblePad Technical Overview

Storage

PebblePad is stored in the Amazon Web Service cloud in the most appropriate territory for any given client.

Backup

PebblePad is replicated on multiple servers and backed up on a nightly basis.

Availability

PebblePad has a 99.9% up time guarantee included in our SLA.

Specialist Processes

Media Transcoding

Uploaded media is transcoded using the Zencoder API to ensure that audio and video files are compatible across the widest variety of devices and platforms.

Authentication

PebblePad supports a number of authentication methods, the most popular are listed below:

- Shibboleth (SAML 2.0)
- Active Directory Federation Services (AD-FS)
- OAuth
- OAuth2
- LDAPS

Datalsland – Although not strictly an authentication method we highly recommend having this service when using Shibboleth/AD-FS and OAuth for authentication to help supplement PebblePad/ATLAS with extra user information.

Account Provisioning

Accounts are automatically provisioned in PebblePad when the user first successfully authenticates with your service.

Integrations

PebblePad has integrations for the following popular services:

- Google Drive
- OneDrive
- OneDrive for Business
- Dropbox
- Credly
- Mozilla Backpack

LMS/VLE Integration

PebblePad is LTI 1.0, 1.1 and 2.0 compliant and is the preferred method for all mainstream LMSs.

Our current Blackboard integration takes full advantage of the *Basic LTI tools* (<http://projects.oscelot.org/gf/project/bb-basicti/>) block to provide additional features including memberships and the ability to pass back grades to the Grade Centre.

Data Exchange

PebblePad has a fully functional API that provides you with the ability to manage users, groups and group memberships.

API documentation: <http://www.pebblepad.co.uk/l/resources/documentation/api/>

Data Security

PebblePad has robust data-protection and security policies in place and are currently pursuing ISO27001 certification.