

PebblePad Google G Suite Authentication Guide

Overview

In this guide we will instruct you on how to set up Google's G Suite as an Identity Provider (IdP) to be used with PebblePad via Shibboleth 2 as a Service Provider (SP).

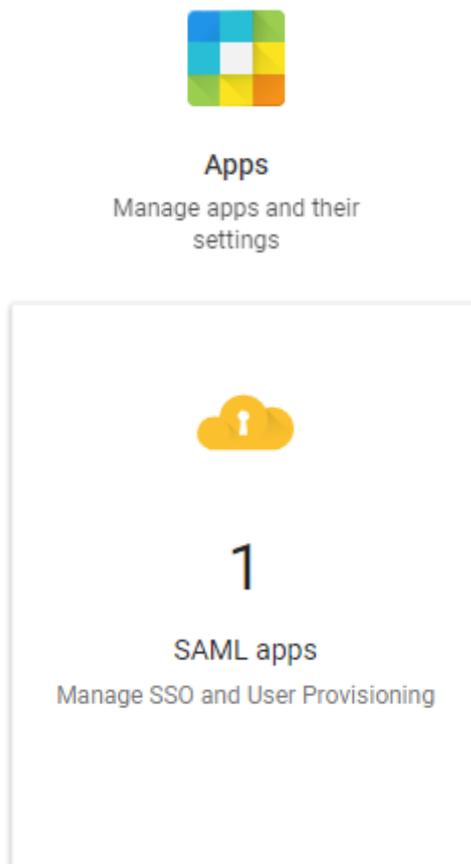
Using Security Assertion Markup Language (SAML), a user can use their G Suite credentials to sign in to PebblePad via Single Sign-On (SSO). An identity and access management (IAM) service provides administrators with a single place to manage all users and cloud applications. You don't have to manage individual user IDs and passwords tied to individual cloud applications for each of your users. An IAM service provides your users with a unified sign-on across all their enterprise cloud applications.

UK Test PebblePad Shibboleth server is 54.215.168.29 (shibtest.pebblepad.com)

Our procedure is to set up an instance of PebblePad for testing using a test location and the test Shibboleth server accessing this location first before moving to production.

Setting up a PebblePad SAML app

1. Sign in to your **Google Admin** console.
2. From the Admin console dashboard, go to **Apps** and then **SAML apps**.



To see Apps on the dashboard, you might have to click More controls at the bottom.

3. Select the **Add a service/App to your domain** link or click the **plus (+)** icon in the bottom corner.
4. Click **SETUP MY OWN CUSTOM APP**.
5. The **Google IDP Information** window opens and the Single Sign-On URL and the Entity ID URL fields automatically populate.
6. You will need to provide Support (support@pebblepad.co.uk) with the **Entity ID** and a copy of the **IDP metadata** (Downloadable from this step).
7. Click **NEXT**

8. In the **Basic Application Information** window, add the following:

Application Name	PebblePad
Logo	http://tinyurl.com/ppplus

9. In the **Service Provider Details** window, add the following:

ACS URL	https://shibtest.pebblepad.com/Shibboleth.sso/SAML2/POST
Entity ID	https://shibtest.pebblepad.com/shibboleth-sp
Start URL	https://shibtest.pebblepad.com/{pebble-org-url*}.php?redirect=_pebbleoauthendpoint_

* Your personal 'pebble-org-url' can be obtained from the **PebblePad Administration Portal** for your organisation under **Settings -> Options**.

10. Leave **Signed Response** checked.

11. Click **NEXT**.

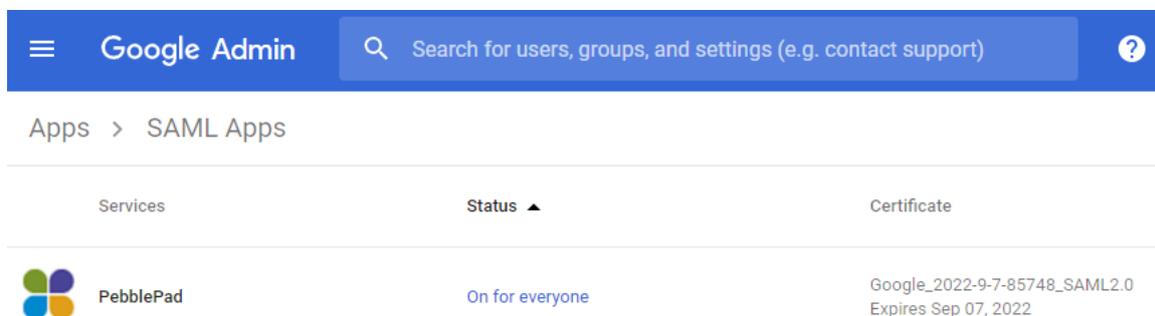
12. In the **Attribute Mapping** window, click **Add new mapping** and enter a new name for the attribute you want to map.

eduPersonPrincipalName	urn:oid:0.9.2342.19200300.100.1.3	Basic Information	Primary Email
Surname	sn	Basic Information	Last Name
Given Name	givenName	Basic Information	First Name
Email	urn:oid:1.3.6.1.4.1.5923.1.1.1.6	Basic Information	Primary Email

13. Click **FINISH**.

Turn on SSO to the PebblePad app

1. Sign in to your **Google Admin** console.
2. From the Admin console dashboard, go to **Apps** and then **SAML apps**.
3. Select the newly created **PebblePad** SAML app.



The screenshot shows the Google Admin console interface. At the top, there is a blue header with the 'Google Admin' logo, a search bar containing the text 'Search for users, groups, and settings (e.g. contact support)', and a help icon. Below the header, the breadcrumb 'Apps > SAML Apps' is visible. A table lists the SAML apps. The table has three columns: 'Services', 'Status', and 'Certificate'. The first row shows the 'PebblePad' app with a status of 'On for everyone' and a certificate labeled 'Google_2022-9-7-85748_SAML2.0' that expires on 'Sep 07, 2022'.

Services	Status ▲	Certificate
 PebblePad	On for everyone	Google_2022-9-7-85748_SAML2.0 Expires Sep 07, 2022

4. At the top of the grey box, click the dots and choose:
 - a. ON for everyone to turn on the service for all users (click again to confirm).
 - b. OFF to turn off the service for all users (click again to confirm).
 - c. ON for some organizations to change the setting only for some users.
5. Ensure that your user account email IDs match those in your G Suite domain.

Providing metadata

Once all the required steps have been completed please provide Support (support@pebblepad.co.uk) with the following:

- Your **Entity ID** from step 6, and
- A copy of your **Metadata**, also from step 6
- A test username and password

This current configuration uses the user's email address for the username; if you would like us to remove everything after the @ sign, for example **mathew.e** instead of **mathew.e@pebblepad.co.uk** please let us know.

We will then test to see if our Shibboleth server can use your configuration and grant access through this method to our application.

Verify SSO between G Suite and PebblePad

Once Support have verified that everything is configured correctly and working you will be free to perform your own testing.

1. Open the single sign-on URL for you're the PebblePad SAML app. You should be automatically redirected to the G Suite sign-in page.
2. Enter your sign-in credentials.
3. After your sign-in credentials are authenticated you will be automatically redirected back to PebblePad.