CHALLENGE
Moodle & Google Integration

SOLUTION
PortalGuard SAML Single Sign-on (SSO)

PLATFORM LAYER
Single Sign-on

Usage Scenario

Industry: Education
Number of Users: 1,000

CHALLENGE:
The customer’s Technology Director is seeking a solution to create a user account in Active Directory (AD), and have the user’s Moodle and Google Apps accounts created automatically. When a user changes their AD password, this new password should be applied in real-time to their Moodle and Google Apps accounts as well. During account creation, the initial password for AD and Moodle is the student’s ID number which is 4-5 characters, but Google requires at least 8 characters, so the students enter their ID number twice. Some users are accessing Google Apps via a mobile device so password synchronization will be needed.

Customer has two main issues:

a) User account creation in Moodle and Google Apps after an AD account is created.
b) Self-service password reset for forgotten passwords

SOLUTION:
PortalGuard’s SAML capabilities provided federated single sign-on and achieved a seamless integration with web-based applications both cloud-based (e.g. Google Apps) and on-premise (e.g. Moodle). In addition to SSO, PortalGuard provided the following functionality to meet the customer’s project requirements:

a) Automatically create user accounts in Moodle and Google Apps once created in AD.
b) Provide SSO between Moodle and Google Apps using the user’s AD credentials.
c) Keep users’ Google Apps passwords in sync with AD passwords in case they need direct access to Google Apps (e.g. via mobile app).

Customer was able to deploy an integrated approach to user account creation. Leveraging AD allowed them to enhance their password rules without negativity impacting the user experience. In addition, they were able to gain quick ROI with a significant reduction in Help Desk calls related to password resets.