



University of Pittsburgh

Federated Identity, SSO and Multifactor Authentication

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FEDERATED IDENTITY, SSO AND MFA @ THE UNIVERSITY OF PITTSBURGH

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Pitt Passport

- Single Sign-on service
- Grants access to Web Based Services such as;
 - My.Pitt.edu
 - CourseWeb (Blackboard)
 - Student Information System
 - Box
 - Office 365
 - Many Others

The screenshot shows the Pitt Passport login interface in a web browser. The browser's address bar displays the URL <https://passport.pitt.edu/idp/profile/SAML2/POST/SSO>. The page features the University of Pittsburgh logo and the text "Pitt Passport". Below this, there are input fields for "Username" (with the placeholder "Enter username") and "Password" (with the placeholder "Password"). A "Submit" button is positioned below the password field. Links for "Forgot password?" and "Need Help?" are located beneath the submit button. A "New Account Activation" section is also present. A prominent information box on the right side of the page contains the following text:

Multifactor Authentication
Multifactor authentication has been added to all services that leverage Pitt Passport. More information is available at technology.pitt.edu/multifactor.

Important Login Information
Before entering your University Computing Account credentials, verify that the URL for this page begins with: passport.pitt.edu. In the Safari browser, you may need to click or tap your address bar to view the URL.

Your credentials are your key to accessing online resources at Pitt. Never share them with anyone—for any reason.

You must completely exit your web browser when you are done accessing services that require authentication, otherwise your login will remain in effect.

The footer of the page includes the links pitt.edu and [my.pitt](https://my.pitt.edu).



Features of Pitt Passport

- Consistent
 - Consistent, trusted login experience; passport.pitt.edu
- Multifactor Authentication
 - Enhanced security with added layer
- Login History

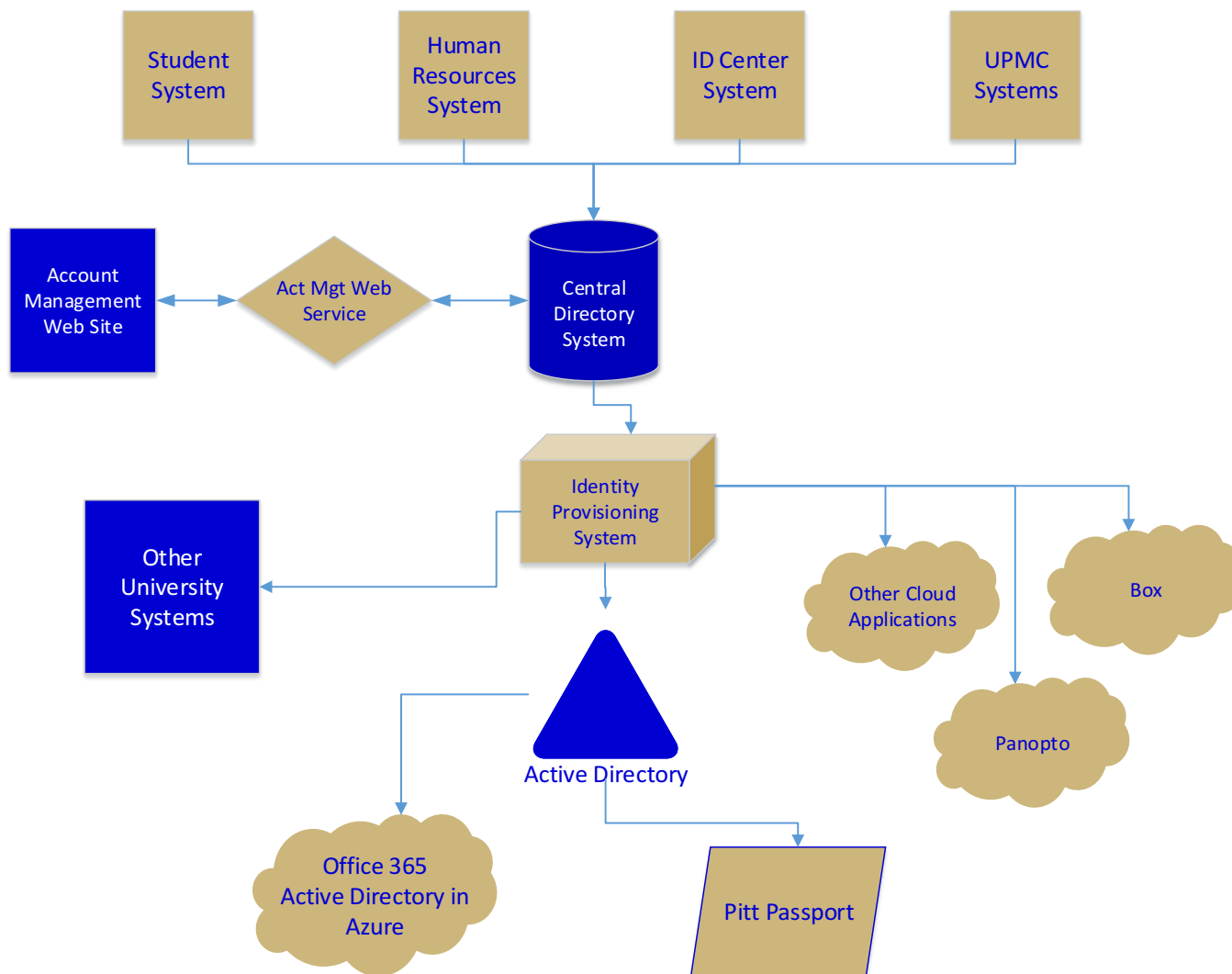


Technology behind Pitt Passport

- Shibboleth
- Pitt Passport is more than just Shibboleth...
 - Central Database / Registry
 - Active Directory
 - Provisioning System



Pitt Passport and IAM system





Groups

- Managed via Web Based Application
- Allows flexibility...for Users and Departments
 - Create Groups
 - Maintain membership
 - Can be used through-out many different applications



Why Shibboleth?

- Reduced number of IDs and passwords for end users
- Works with SAML 2.0
- Easy to customize for different configurations
- Built for High Ed and Research organizations



Multifactor Authentication in Pitt Passport

- Provided by Duo Security
- Adds a layer of security
- Requires 2 “Factors” to verify identity
 - Something you Know
 - Something you Have



Multifactor Authentication (cont.)

- Benefits:
 - Secure
 - Efficient
 - Convenient

The screenshot shows a web browser window titled "Pitt Passport" with the URL <https://passport.pitt.edu/idp/profile/SAML2/POST/SSO>. The page header includes the University of Pittsburgh logo and the text "University of Pittsburgh" and "Pitt Passport". The main content area contains the following text: "To enable multifactor authentication, register a device using this wizard. Not sure what type of device to register or which authentication method to use? Check our Multifactor Authentication Options Guide. Need help? Call the Technology Help Desk at 412-624-HELP [4357].". Below this text is a form with a "Device:" dropdown menu showing "Android (XXX-XXX-5167)". Under the heading "Choose an authentication method", there are three options: "Duo Push RECOMMENDED" with a checkbox, "Call Me" with a phone icon, and "Passcode" with a key icon. To the right of each option is a green button: "Send Me a Push", "Call Me", and "Enter a Passcode". On the left side of the form, there is a circular logo with the University of Pittsburgh crest and the text "UNIVERSITY OF PITTSBURGH". Below the logo are four links: "What is this?", "Add a new device", "My Settings & Devices", and "Need help?".



Joining InCommon Federation

- Implementation of Service Providers
- Trusted Partners
 - Level of Trust
 - Others Universities working with partners
- Certificates



Thank You

Questions?