User Authentication with MU in Existing Ecosystems

Casey Bisson

WordPress MU

W[illegible]r[illegible]ress ML

University

External Authentication

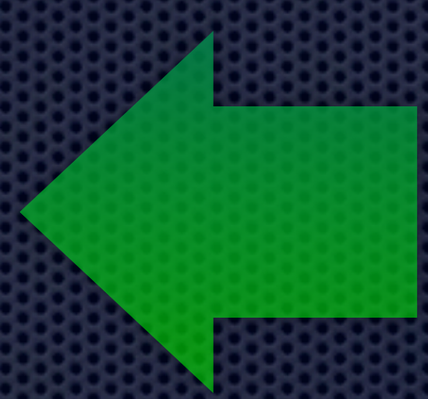
- LDAP
- Shibboleth
- OpenID
- CAS (central authentication service)

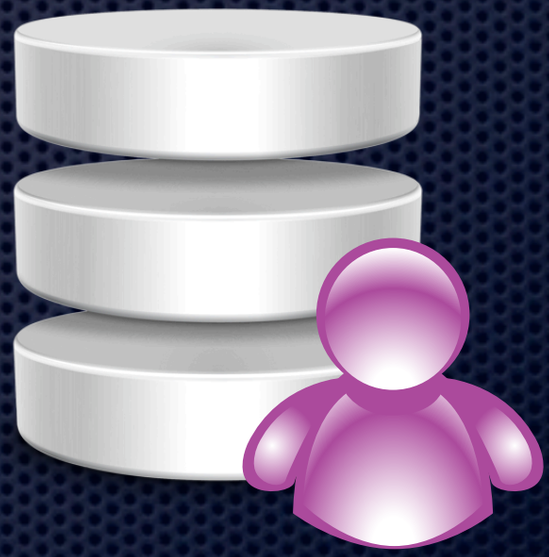
External Authentication

- LDAP — authN + authZ
- Shibboleth

- OpenID — authN only
- CAS (central authentication service)

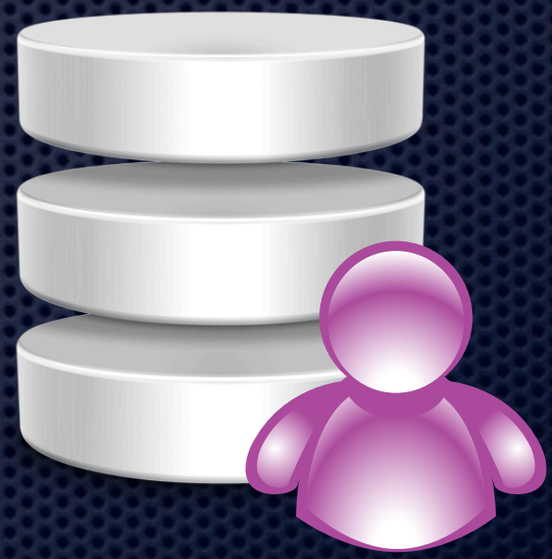
WordPress





User Directory

WordPress



User Directory

If that's all you need,
you're set.

Irony

- Many university systems behave like you've never used the internet before.
- Despite directory services, many university users must maintain accounts in multiple systems.
- Our expensive commercial portal doesn't offer user-initiated password resets or user profiles.

Law (almost)

- "[An] institution may not make education records available electronically by using a common form user name (e.g., last name and first name initial) with date of birth or SSN, or a portion of the SSN, as an initial password to be changed upon first use of the system."

My Simple, Evil Plan

- Replace user-facing components with WordPress

Plymouth State University › Log In

https://connect.plymouth.edu/wp-login.php

Google

myPlymouth

Plymouth State University

Email Address or Username

email@domain.c

Password

What is my password?
What is my username?

Log In

Plymouth State University › Log In

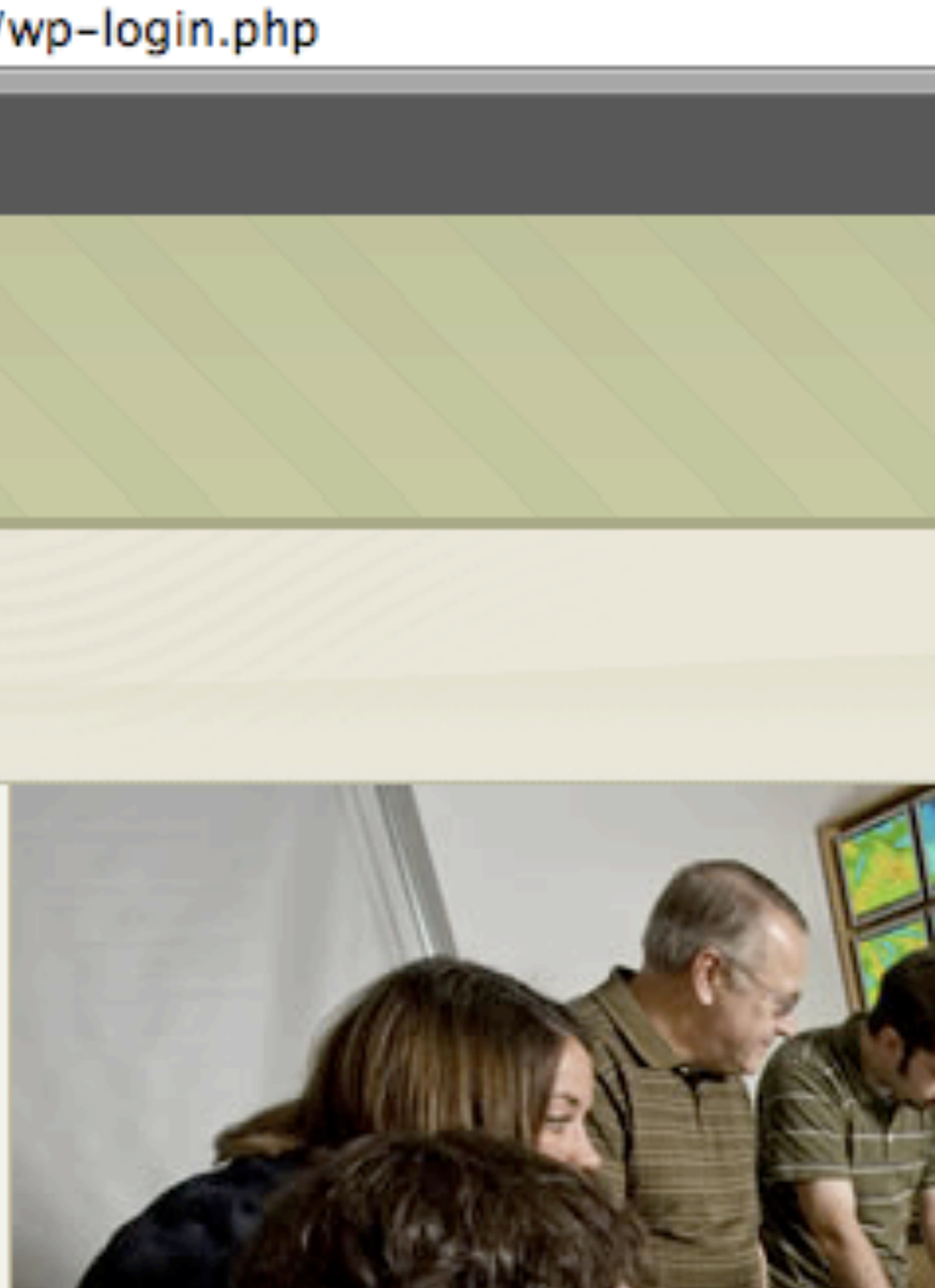
https://connect.plymouth.edu/wp-login.php

myPlymouth

Email Address or Username

email@domain.c

Password



Profile

Name

First name: Casey

Last name: Bisson

Nickname:

Display name publicly as: Casey

Contact Info

E-mail: email@plymouth.edu

Alternate E-mail: email@domain.com

Any change to your email address must be confirmed. You will receive a message at your new address with instructions.

Cell Phone: 603 555 1212

A text message will be sent to your phone to confirm phone number changes. Standard messaging rates apply.

AIM:

Yahoo IM:

Jabber / Google Talk:

Update Profile

Display name publicly as Casey

Contact Info

E-mail email@plymouth.edu

Alternate E-mail email@domain.com

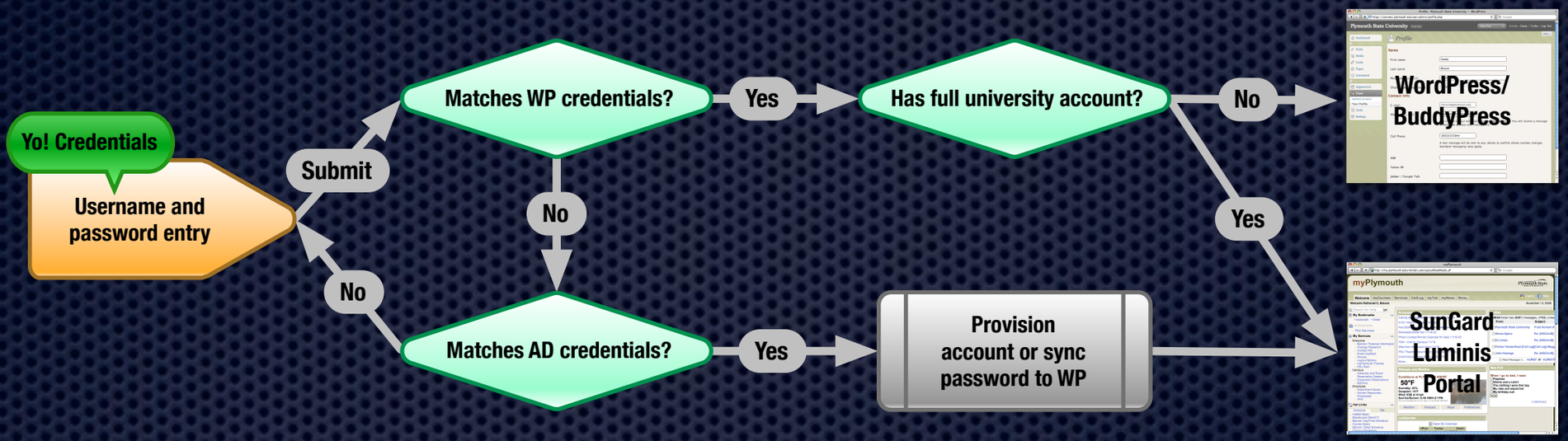
Any change to your email address must

Cell Phone 603 555 1212

A text message will be sent to your pho

AIM

Yahoo IM


Yo! Credentials
Username and password entry
Submit
Matches WP credentials?
Yes
Has full university account?
No
WordPress/ BuddyPress
Yes
No
Matches AD credentials?
No
Yes
Provision account or sync password to WP
SunGard Luminis Portal

Yo! Credentials

Username and password entry

Submit

No

Ma

Ma

Yo! Credentials

Username and password entry

Submit

No

Ma

Ma

Matches WP credentials?

Yes

No

Matches AD credentials?

No

Submit

Matches WP credentials?

Yes

No

Matches AD credentials?

No

Submit

Submit

No

Matches AD credentials?

Yes

No

Matches AD credentials?

Yes

Submit

No

No

Matches AD credentials?

Yes

Yes

Has full university account?

No

Yes

Yes

Provision account or sync password to WP

Yes

Has full university account?

No

Yes

Yes

Provision account or sync password to WP

Yes

Has full university account?

No

Yes

Yes

Provision account or sync password to WP

Yes

Has full university account?

No

Yes

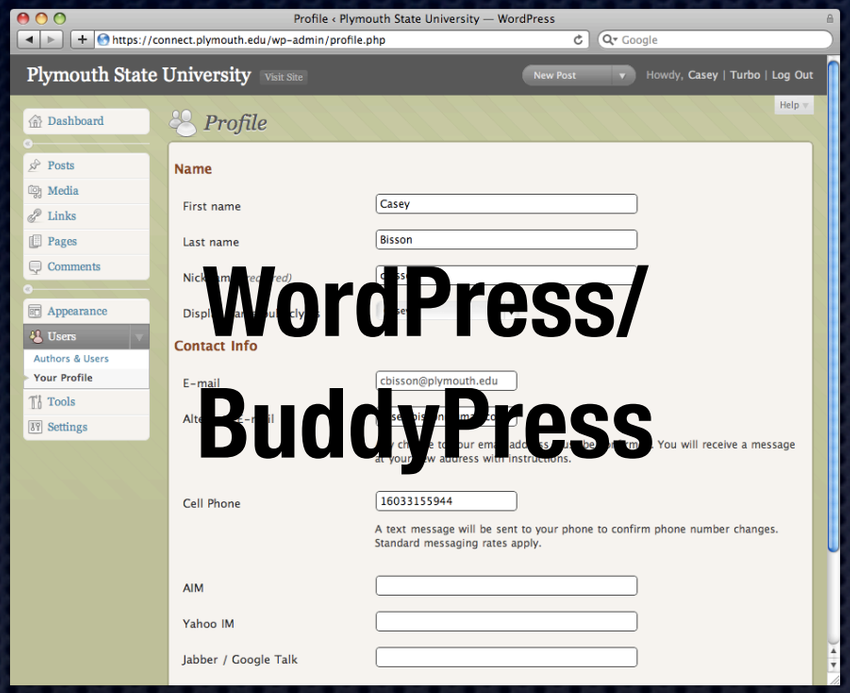
Yes

Provision account or sync password to WP

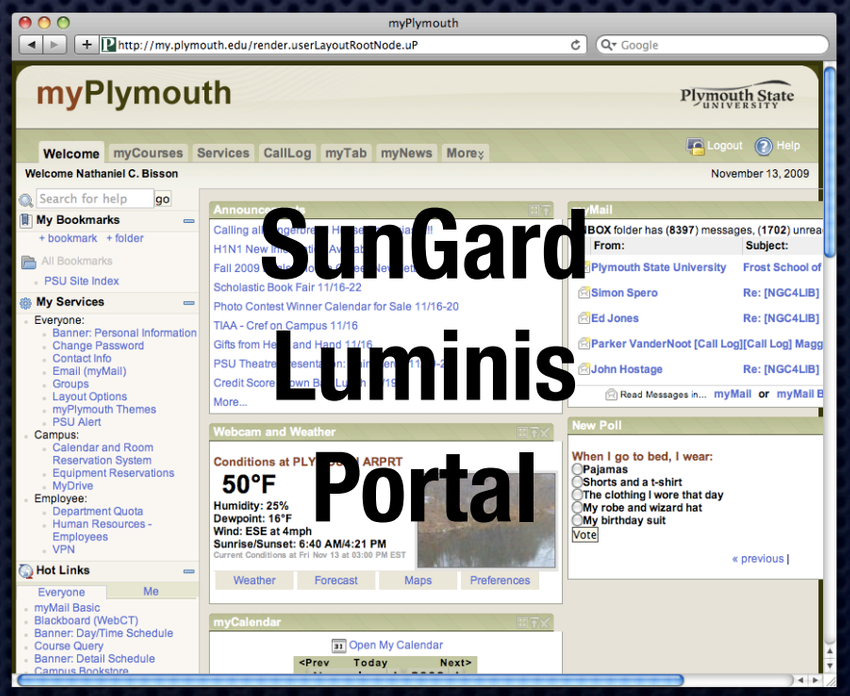
t?

No

Yes



WordPress/
BuddyPress

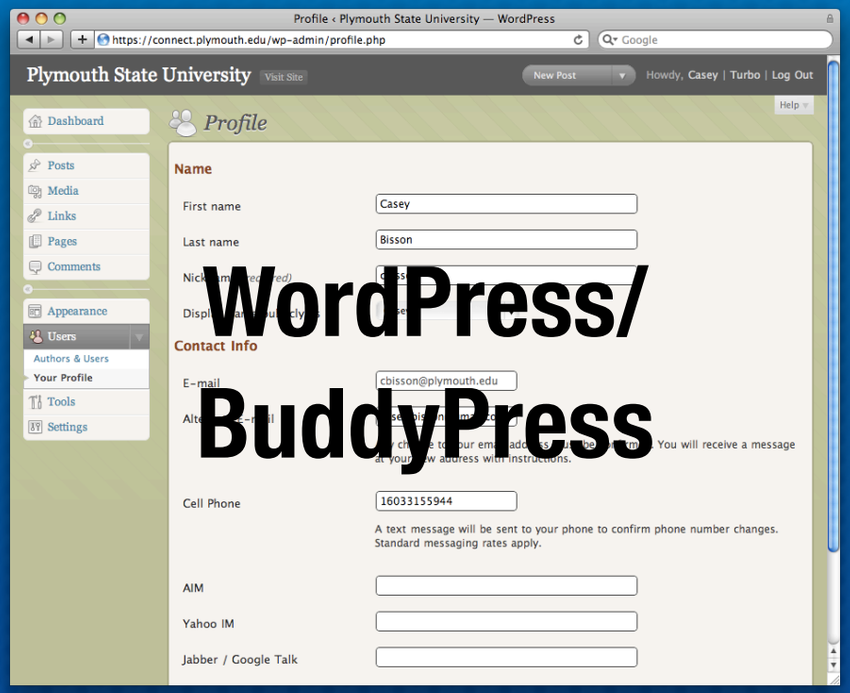


SunGard
Luminis
Portal

t?

No

Yes



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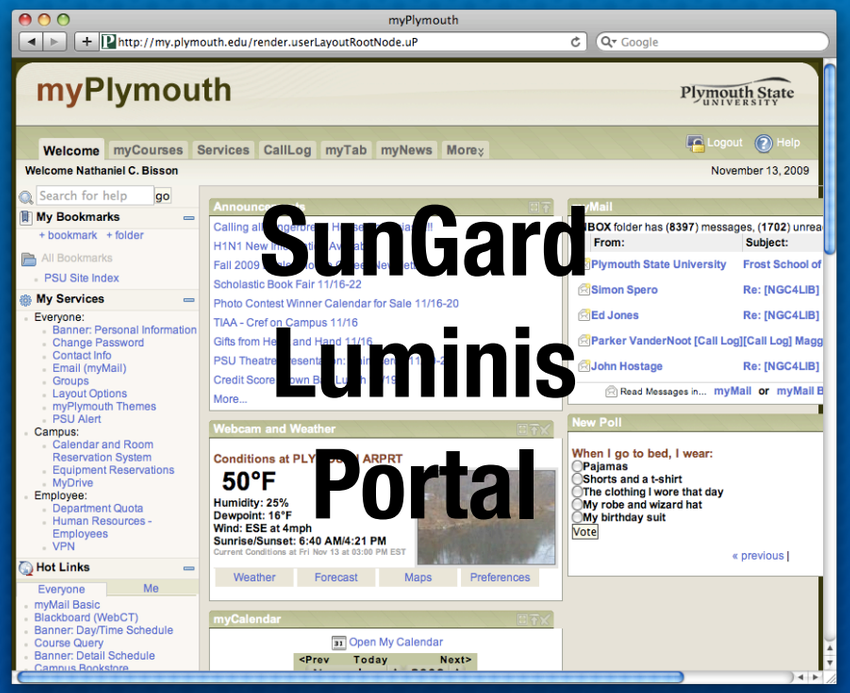

SunGard Luminis Portal

Display name publicly as Casey

Contact Info

E-mail email@plymouth.edu

Alternate E-mail email@domain.com

Any change to your email address must

Cell Phone 603 555 1212

A text message will be sent to your pho

AIM

Yahoo IM

Jul 7, 2009 2:06 PM

Your secret code is RVur9
If you have questions or concerns, contact the PSU helpdesk at (603) 535-2929.

myPlymouth

Email Address or Username

email@domain.c

Password

What is my password?
What is my username?

Log In

myPlymouth

Plymouth State University

Please enter your username or e-mail address. A secret code which will allow you to reset your myPlymouth password will be sent to you.

Alternatively, you might try the default password.

Username or E-mail:

email@domain.com

Cancel

Get New Password

Jul 7, 2009 2:06 PM

Your secret code is RVur9
If you have questions or concerns, contact the PSU helpdesk at (603) 535-2929.

myPlymouth

Plymouth State University

Please check your email or cell phone for the secret code which will allow you to reset your myPlymouth password. Then enter your email address or username and a new password in the fields below.

NOTE: Passwords must be at least 8 characters long, contain at least 1 uppercase letter and 1 digit. They cannot contain @ or $ or ; or :

Secret code (check your email or phone)

Email address or username

New password

Confirm your new password

Cancel

Set Password

myPlymouth

Please check your email or cell phone for the secret code which will allow you to reset your myPlymouth password. enter your email address or username and a new password in the fields below.

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Secret code (check your email or phone)

Email address or username

New password

Confirm your new password

Plugins, Hooks, Functions

- Plugins we've released: Alternate Contact Info, WordPress Ticket Framework, wpSMS
- Unreleased code replaces wp_authenticate() and hooks do_action('login_form' . $action)
- Much more detail in my blog post

Thank you

http://Plymouth.edu

http://MaisonBisson.com