



uPortal 3.2 and Beyond

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Jasig Spring Conference 2010



Agenda

- Recent uPortal 3.2 Release
- Current 3.3 Development
- Longer Term Initiatives
- Project Communication

uPortal 3.2

uPortal 3.2 Highlights

- Improved administration tools
- Mobile device support
- CSS/JS Aggregation
- New portlet publishing types
- More bundled portlets

Portlet Administration

- Re-designed user interface
- New channel lifecycle workflow
- Delegated administration
- Automatic publishing and expiration
- Integrated config mode

Config Portlet Mode

- Allows portlets to provide a customized administration UI
- Simplifies complex portlet configuration
- Uses spec defined extension points

Portlet Registry

[Register New Portlet](#)

Registered Portlet List

Show

< previous 1 2 3 4 5 6 7 8 (last) next > 1-10 of 75 items per page

| Name | Type | State | Edit | Delete |
|---------------------------|-------------------|-----------|----------------------|------------------------|
| About.com College Life | RSS | Published | edit | delete |
| Admin Welcome | Image | Published | edit | delete |
| Attribute Swapper | Portlet | Published | edit | delete |
| Bookmarks | Bookmarks Portlet | Published | edit | delete |
| Cache Manager | Portlet | Published | edit | delete |
| Calendar | Web Proxy | Published | edit | delete |
| CSS Viewer | XML SSL | Published | edit | delete |
| Daily Business Cartoon | Image | Published | edit | delete |
| Demo Welcome | Image | Published | edit | delete |
| DLM Administrator's Guide | Custom | Published | edit | delete |

Browsing Portlets

Select People and Groups

Who can add About.com College Life to their layout

✔ Your Selections

- ✔ [Students](#)
- ✔ [Faculty User](#)
- ✔ [Portal Developers](#)

Review

Cancel

🔍 Search

Enter a name

Go

🏠 Browse

Everyone >

✔ **Students**

De-select

Students includes:

People

- [Student User](#)
- [Student Layout Owner](#)

Selecting Entities

Edit Portlet

Lifecycle Management

| Option | State | Description |
|----------------------------------|-----------|---|
| <input type="radio"/> | Created | Created |
| <input type="radio"/> | Approved | Reviewed and approved for production |
| <input checked="" type="radio"/> | Published | In production |
| <input type="radio"/> | Expired | Might need it later, but not using it now |

Automatic Expiration (optional)

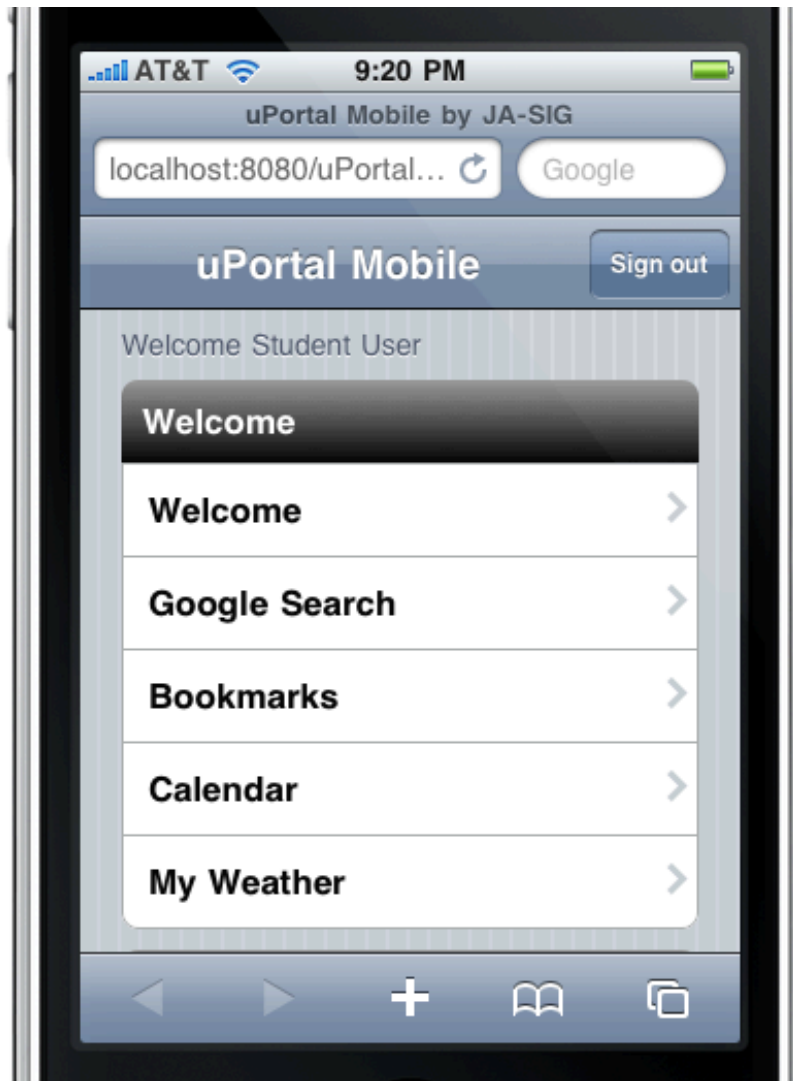
| Option | Date and Time |
|------------------------------------|----------------------|
| Automatic Expiration Date and Time | <input type="text"/> |



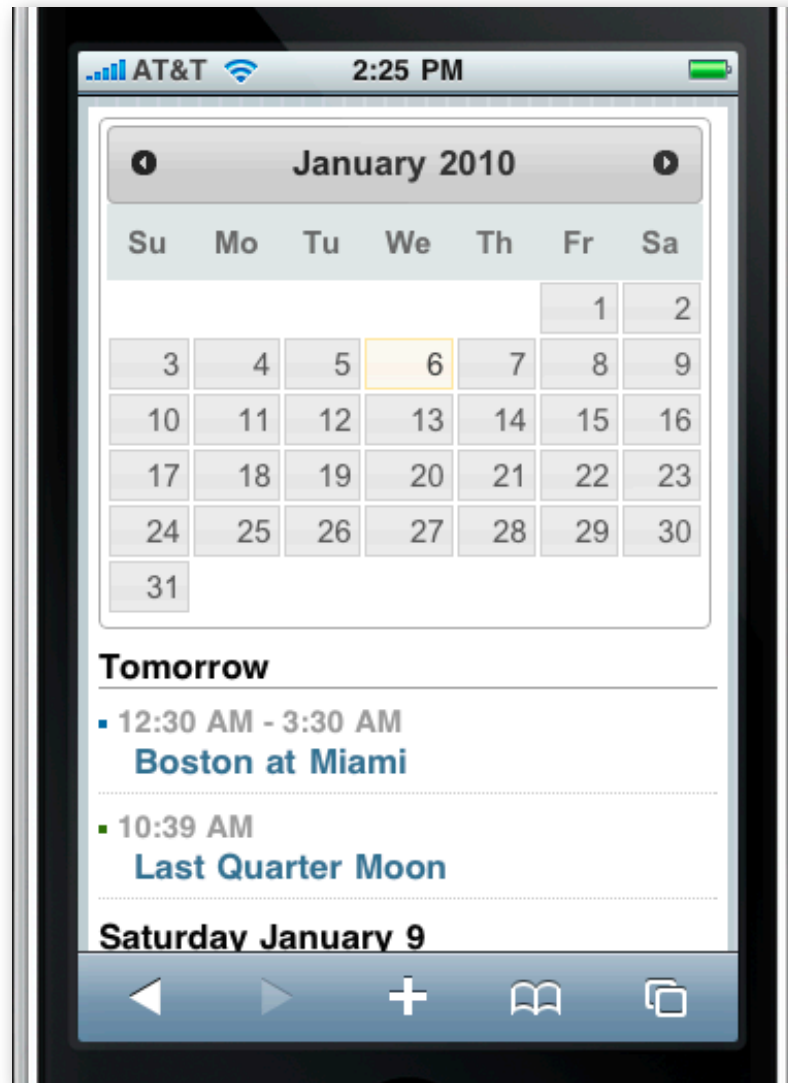
Review

Cancel

Lifecycle Management

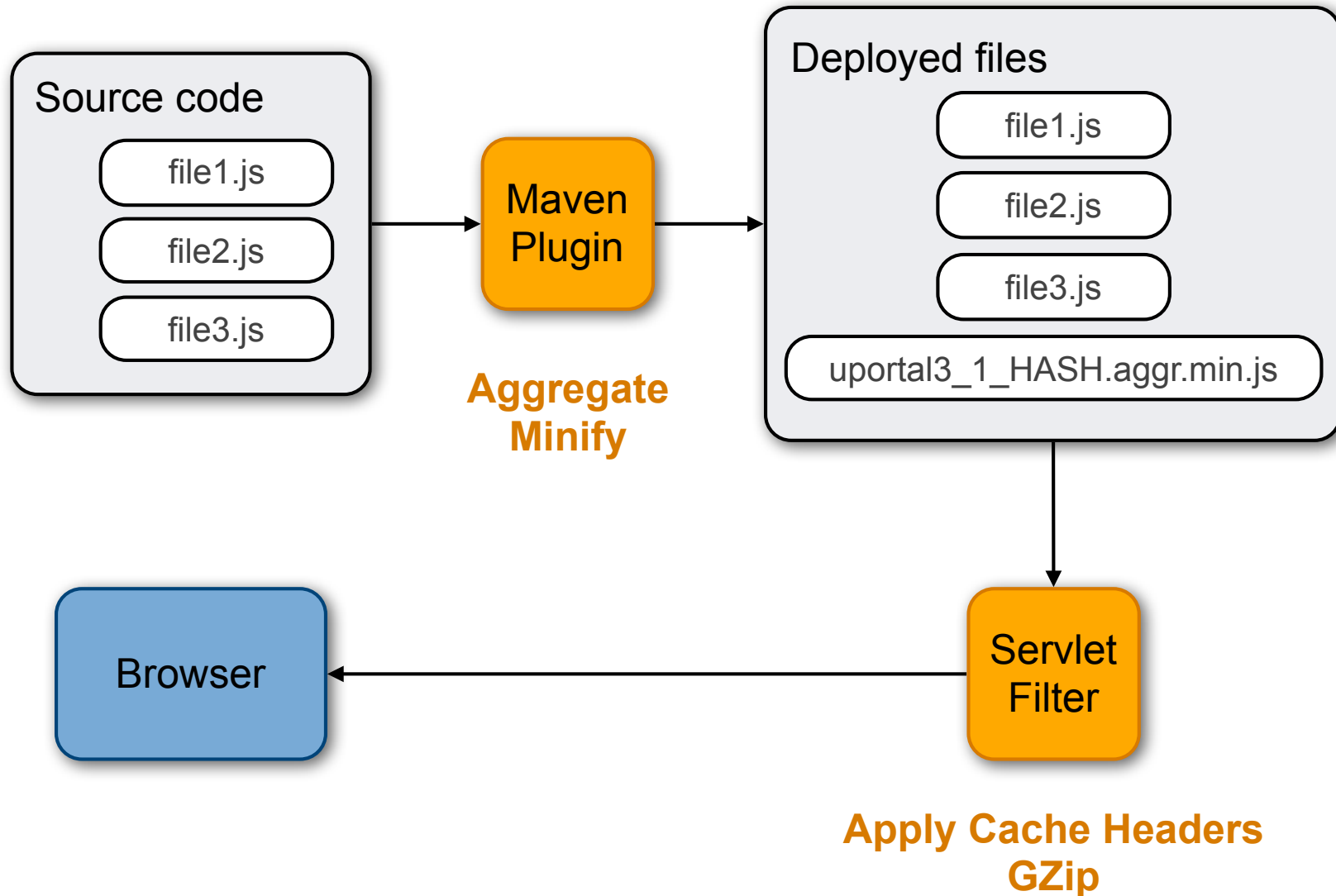


Introducing uPortal Mobile



Mobile Portlets

CSS/JS Aggregation



CSS/JS Aggregation

Multiple Scripts (36KB):



```
<script type="text/javascript" src="javascript/uportal/ajax-preferences-jquery.js"></script>  
<script type="text/javascript" src="javascript/uportal/search.js"></script>  
<script type="text/javascript" src="javascript/uportal/up-channel-browser.js"></script>  
<script type="text/javascript" src="javascript/uportal/up-group-browser.js"></script>  
<script type="text/javascript" src="javascript/uportal/flyout-nav.js"></script>
```

Become One Script (19KB):

```
<script type="text/javascript"  
  src="javascript/uportal/uportal3_10_CA4AFE27EC643E4F96C7A724419E5C1E.aggr.min.js">  
</script>
```

Reduced download size

Long-term cache headers



| ▲ TYPE | SIZE (KB) | GZIP (KB) | URL | EXPIRES (Y/M/D) |
|-----------|-----------|-----------|---|-----------------|
| ☐ js (5) | 472.8K | | | |
| js | 73.5K | 21.2K | http://localhost:8080/ResourceServingWebapp/rs/jquery/1.3.2/jquery-1.3.2.min.js | 2010/12/16 |
| js | 0.7K | 0.4K | http://localhost:8080/ResourceServingWebapp/rs/jquery-plugins/cookie/1.0/jquery.cookie-1.0.min.js | 2010/12/16 |
| js | 187.1K | 46.4K | http://localhost:8080/ResourceServingWebapp/rs/jqueryui/1.7.2/jquery-ui-1.7.2.min.js | 2010/12/16 |
| js | 192.1K | 58.7K | http://localhost:8080/ResourceServingWebapp/rs/fluid/1.1.2/js/fluid-all-1.1.2.min.js | 2010/12/16 |
| js | 19.1K | 5.5K | http://localhost:8080/.../uportal3_10_CA4AFE27EC643E4F96C7A724419E5C1E.aggr.min.js | 2010/12/16 |
| ☐ css (4) | 79.8K | | | |
| css | 15.8K | 3.2K | http://localhost:8080/ResourceServingWebapp/rs/fluid/1.1.2/css/fss-framework-1.1.2.min.css | 2010/12/16 |
| css | 21.5K | 3.7K | http://localhost:8080/ResourceServingWebapp/rs/jqueryui/1.6rc6/theme/smoothness/ui.all.min.css | 2010/12/16 |
| css | 12.5K | 2.4K | http://localhost:8080/.../uportal3_3_E2A753CD1035148A1F3E175FDE061E73.aggr.min.css | 2010/12/16 |
| css | 29.9K | 5.1K | http://localhost:8080/.../uportal3_4_710A50B18F6820EDC4DB63B7E20F4350.aggr.min.css | 2010/12/16 |

(Page generated 2009/12/16)

uPortal Aggregated Imports

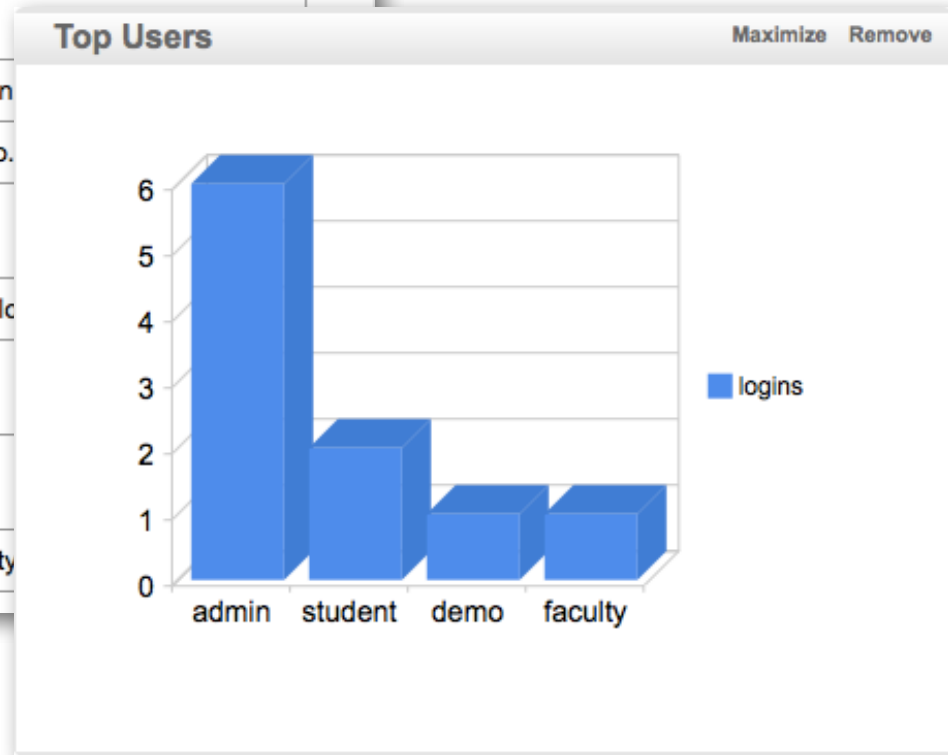


UI Development Mode

Sql Query Maximize Remove

< previous 1 2 (last) next > 1-10 of 17 items 10 per page

| username | name | email |
|--------------|----------------------------|---------|
| admin-lo | Admin Layout Owner | |
| admin | Admin User | admin |
| demo | Demo User | demo. |
| developer-lo | Developer Layout Owner | |
| developer | Developer User | develo |
| ent-lo | Entertainment Layout Owner | |
| faculty-lo | Faculty Layout Owner | |
| faculty | Faculty User | faculty |



Updated Portlet Types

Translate

सप्ताह की कुछ रोचक तस्वीरें

दुनिया भर के विभिन्न हिस्सों से कुछ रोचक और दिलचस्प तस्वीरों पर नज़र डालिए बीबीसी हिंदी डॉट कॉम पर.

from (Automatic) to: English **Go!**

Translation:

Some interesting photos of the week from various parts of the world look at some interesting pictures and interesting look at the BBC Hindi Dot Com.

Dictionary

Dictionary

Thesaurus

portal

Go!

portal n 1: a grand and imposing entrance (often extended metaphorically); "the portals of the cathedral"; "the portals of heaven"; "the portals of success" 2: a site that the owner positions as an entrance to other sites on the internet; "a portal typically has search engines and free email and chat rooms etc." [syn: {portal site}] 3: a short vein that carries blood into the liver [syn: {portal vein}, {hepatic portal vein}, {vena portae}]

Gilbert, AZ

AccuWeather.com*

Currently



77° F

Wind: CLM at 0.0 MPH

Humidity: 19.0%

Pressure: 29.89 IN

Wed



78° | 48°

Thu



72° | 47°

Fri



74° | 49°

Sat



66° | 47°

Sun

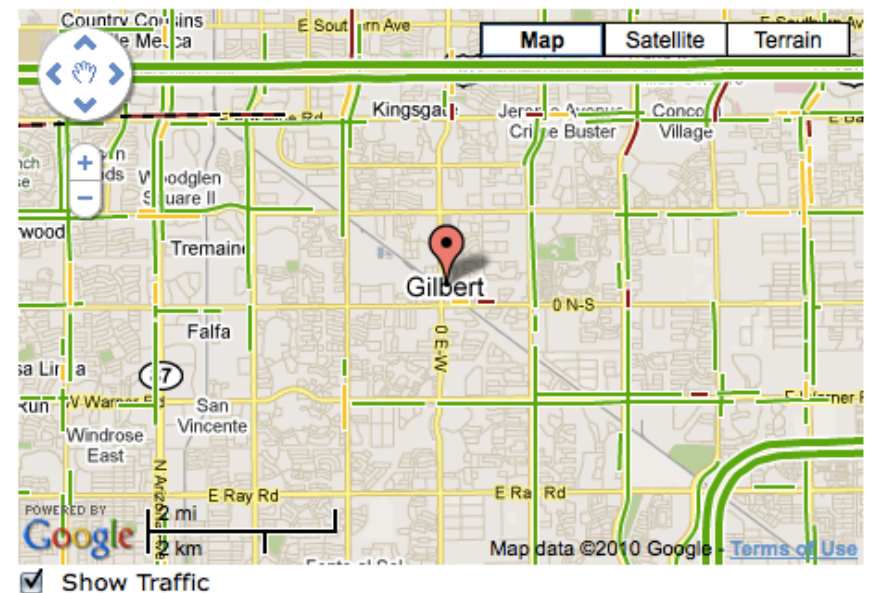


64° | 44°

Weather provided by AccuWeather.com

[Edit Locations](#)

Google Maps



Additional Bundled Portlets

Honorable Mention

- Improved flyout menus
- Simplified portal tab CSS
- Standardized administrative portlet UIs
- Cache management portlet
- New “Coal” skin

Customize My Portal

- Add Content
- Page Layout
- Select Skin
- Add tab

Quicklinks

- Bookmarks
- Bookmarks Portlet

Google Search Portlet

 x
powered by Google™

Bookmarks Portlet

My Links [Options](#)

- Facebook
- Google

[Add Bookmark](#) [Add Folder](#) [Show Edit](#)

My Weather

Gilbert, AZ AccuWeather.com®

| | | | |
|-----------|-----------|-----------|-----------|
| Currently | Fri | Sat | Sun |
| | | | |
| 68° F | 71° 46° | 73° 49° | 68° 47° |

Wind: CLM at 0.0 MPH
Humidity: 22.0%
Pressure: 30.16 IN

Weather provided by AccuWeather.com [Edit Locations](#)

Google Maps

New “Coal” Skin

Additional Content

- Announcements*
- Calendar*
- Content Management*
- Email
- Facebook*
- Google Search Application*
- Helpdesk*
- LDAP Directory*
- RSS
- Twitter

* = Jasig Incubated Project

Demos and More

<http://www.youtube.com/uPortal>

Download uPortal

<http://www.jasig.org/uportal/download>

uPortal 3.3

uPortal 3.3 Development

- Add Portlet 2.0 Support (JSR-286)
- Remove IChannel Support
 - Groups & Permissions Management
 - Fragment Management
- Upgrade to Spring 3.0
- Add Bookmarkable URLs
- Refactor build architecture

Green = in progress

Portlet 2.0 (JSR-286)

- Inter-portlet communication
- AJAX support
- JavaScript / CSS in document <head/>
- Resource serving
- Portlet filters and listeners

Remove IChannel Support

- IChannel interface
 - deprecated as of 3.2
 - removed in 3.3
- Will improve our ability to
 - Define clear APIs
 - Modify and improve the uPortal codebase

Spring 3.0

- Annotation-based MVC support
- REST service APIs
- Validation

Replace Remaining Channels

- DLM User Preferences
- Groups Manager
- Permissions Manager

DLM Fragment Management

- Add fragment administration to AJAX UI
- REST based service APIs for management
- Will replace current User Preferences channel

Permissions Manager

- Replace CPermissionsManager with re-usable webflows
- Improve user experience
- Improve integration with other administrative tools
- Expose uPortal permissions capabilities

Permissions

Add Permission

Manage Categories

Enter permission name

Search

Does Have ?

Show me



Communication

More detailed definition and description of the category.
[Permission Name](#), [Permission Name](#), [Permission Name](#) ...



Layouts

More detailed definition and description of the category.
[Permission Name](#), [Permission Name](#), [Permission Name](#) ...



Community & Social

More detailed definition and description of the category.
[Permission Name](#), [Permission Name](#), [Permission Name](#) ...



Portlets

More detailed definition and description of the category.
[Permission Name](#), [Permission Name](#), [Permission Name](#) ...



Groups

More detailed definition and description of the category.
[Permission Name](#), [Permission Name](#), [Permission Name](#) ...



Users


More detailed definition and description of the category.
[Permission Name](#), [Permission Name](#), [Permission Name](#) ...

Wireframe: Permissions Categories

Add Permission
Manage Categories

Search

Permissions >



Portlets

More detailed definition and description of the category.

Permissions within *Portlets*

[Add Permission](#)

| Name | System ID | Description |
|--|-----------------------------|---|
| Subscribe to Portlet | <i>subscribe_to_portlet</i> | Allows users to add the target portlet to their layout. |
| Permission Name (disabled) | <i>permission_name</i> | Human-readable description of the permission. |
| Permission Name | <i>permission_name</i> | Human-readable description of the permission. |
| Permission Name ✎ ☑ ✖ ☞ | <i>permission_name</i> | Human-readable description of the permission. |
| Permission Name | <i>permission_name</i> | Human-readable description of the permission. |
| Permission Name | <i>permission_name</i> | Human-readable description of the permission. |

Wireframe: Browse Permissions

Bookmarkable URLs

/uPortal/**folderName**/**state**/**channelName**.**subscribed**/**render**.uP

- Move navigation state into the URL
- Enforce canonical URLs
- Allow usage of stats packages
 - AWStats
 - Google Analytics

Refactored Build

- Move to pure maven build solution
- Create custom plugin for utility functions
- Allow use of command line tools without access to source code

Post-3.3 Initiatives

- Persistence Improvements
- Spring Security
- Grouper
- Content Management
- Search Indexing

Persistence Improvements

- Clarify user/profile/layout relationships
- Create uPortal ER Diagram
- Replace direct JDBC DAOs with JPA
- Enforce database level data constraints
- Fix multi-layout support

Spring Security

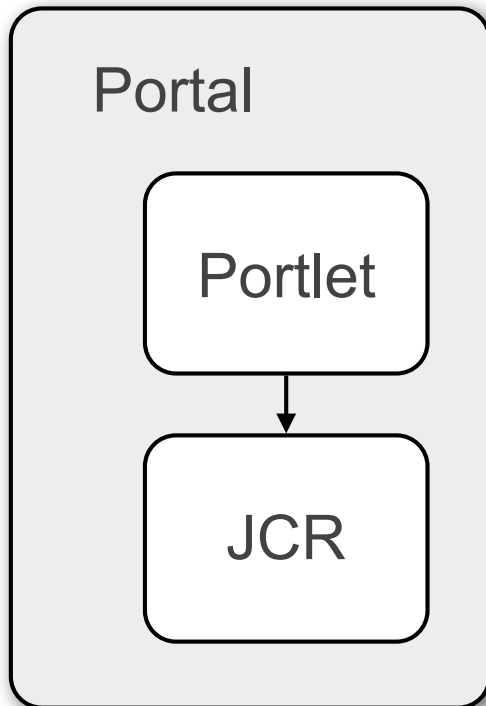
- Replace custom `ISecurityContext` code
- Eliminate custom `uPortal` code in favor of active, well-tested product
- Benefit from security project documentation

Grouper Integration

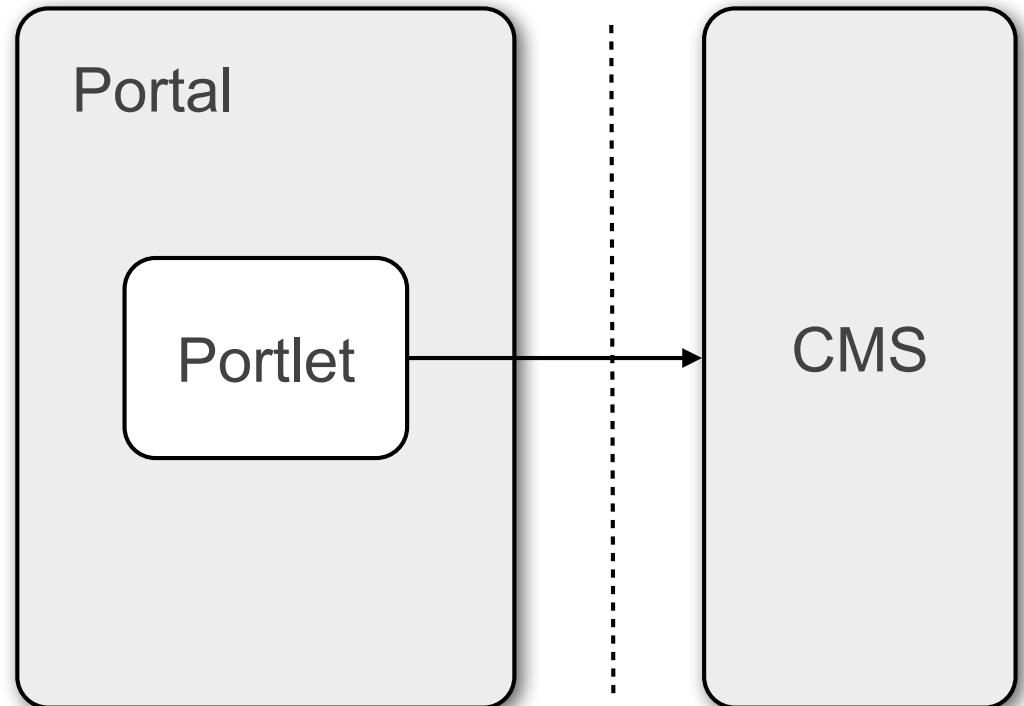
- Ongoing conversations with I2
- Possible integration strategies
 - Add Grouper as an additional groups service
 - Replace local database persistence with Grouper

Content Management

Embedded JCR



External CMS



Jasig CMS Portlet

- Jasig-Incubated portlet project
- Includes lightweight WYSIWYG editor
- Uses JCR JNDI resource
- Integration plans
 - Embed JCR into uPortal
 - Use new uPortal CONFIG mode

External CMS: CMIS

- Content Management Integration Support (CMIS)
- SOAP based API for CMS integration
- Supported by Alfresco

Integrated Search

- Embedded Java Search Engine
- Search across static portlet meta-data
- Design API for portlets to dynamically add indexed content

Staying Involved

uPortal Community Calls

- Public forum once every two months
 - Archived on Slideshare
 - Next call in June
- Includes
 - Project status and roadmap
 - Community portal demos
 - Questions and discussion

Email and IRC

- Email
 - jasig-announce
 - up-user / up-dev
 - portlet-user / portlet-dev
- IRC
 - ##uportal on freenode

Social Networking



Share Your Portal

- Demo at uPortal Community Calls
- Share Screenshots
- Contribute to uPortal's YouTube Channel
- Register your portal

Questions?



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