



UWCalendar 2

Rensselaer and
UWCalendar2
an institute-wide open-source Java events calendar

Communication & Collaboration Technologies
Rensselaer Polytechnic Institute
June 21, 2004

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UWCalendar 2


Who We Are

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The UW Calendar project, founded by *Greg Barnes* and Information Systems, Computing & Communications at the University of Washington, "is building an open-source calendaring system for higher education. *UW Calendar* will support personal, public and group events, use existing open standards, and support web-based and other forms of access, including *uPortal* integration. "

<http://www.washington.edu/ucal>



1. Our design approach
2. Our adoption of UWCal
3. Contributions towards UWCal Release 2
4. Future plans
5. Demonstration




Calendar UW *UWCalendar 2*

Our Design Approach

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Calendar UW *UWCalendar 2* *Our Design Approach*

- XML-based J2EE web applications built in the MVC framework
- Separate content from presentation and presentation from business logic so that each can be developed independently

		
content	design	business logic

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UWCalendar **UWCalendar 2** Roles

User's, Writer's, Editor's World
text & images

Designer's World
Templates
Images XSLT
CSS HTML

Programmer's World
APPS
DB
Code

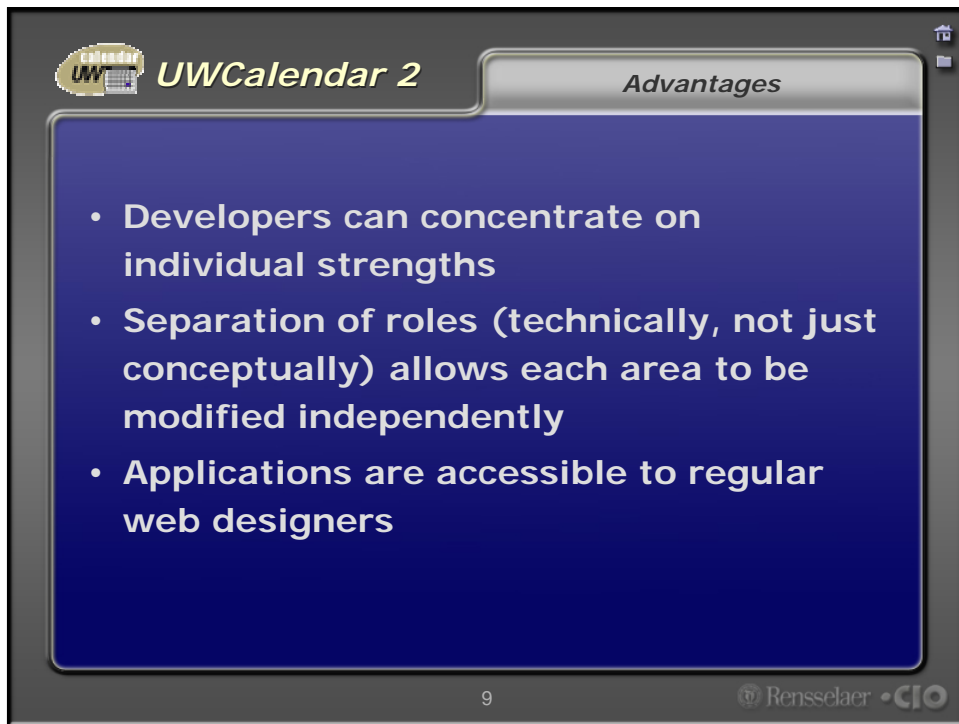
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UWCalendar **UWCalendar 2** Our Design Approach

- XSLT lives in designer's world
- XSLT files live on the web "outside" our applications and are called over http
- We don't need to redeploy an application to change its appearance or to deploy a new skin
- We contend that a designer with reasonable skill can handle XSLT development

Designer's World
Templates
Images XSLT
CSS HTML

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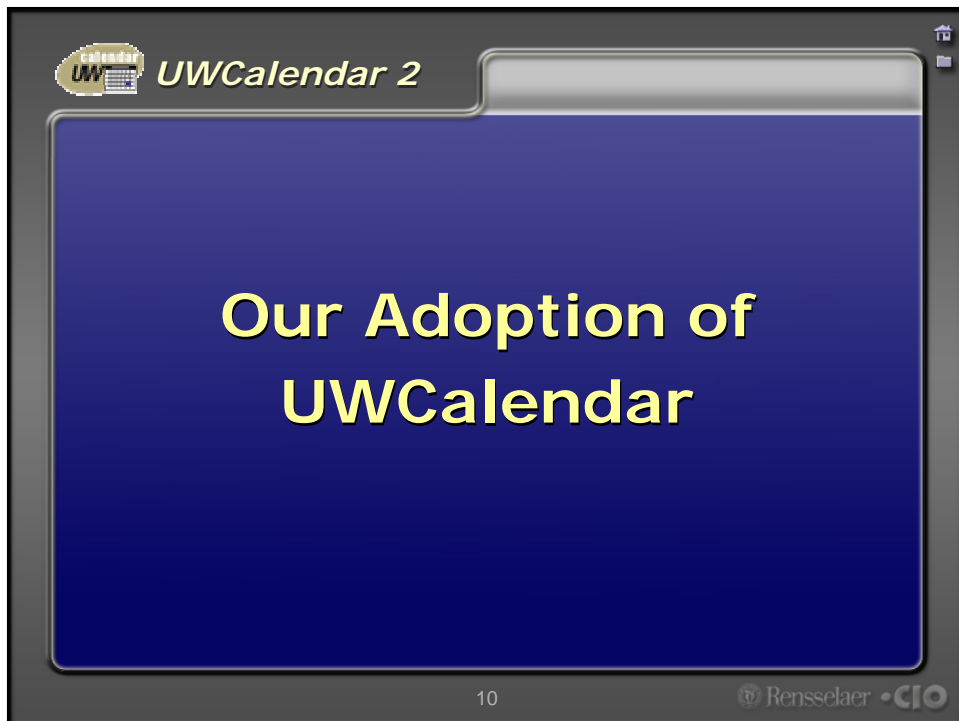


UWCalendar 2 Advantages

- Developers can concentrate on individual strengths
- Separation of roles (technically, not just conceptually) allows each area to be modified independently
- Applications are accessible to regular web designers

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This slide features a dark blue background with a white border. At the top left, there is a logo for 'UWCalendar 2' and a tab labeled 'Advantages'. The main content is a bulleted list of three points. At the bottom, there is a page number '9' and the Rensselaer CIO logo.



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Our Adoption of UWCalendar

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This slide features a dark blue background with a white border. At the top left, there is a logo for 'UWCalendar 2'. The main content is the title 'Our Adoption of UWCalendar' in a large, bold, yellow font. At the bottom, there is a page number '10' and the Rensselaer CIO logo.



An institutional calendar could provide:

- Events publishing
- Personal calendaring
- Group calendaring
- Resource scheduling



- Institutional Calendar for events publishing
- Distributed, fine grained administration
- Integrated -- PDAs, Outlook
- Extensible
- No license or usage fees
- Customizable design
- Open Source
- Used and developed by multiple universities



- Java / J2EE / JBoss
- Linux
- XML



- WebEvent (SoE)
 - perl
 - not free
- Sun ONE Calendar server
 - Solaris, HP/UX, WinNT
- Corporate Time (Cornell)
 - purchased by Oracle from Steltor
 - integrated into Oracle Collaborative Suite
 - <http://www2.ucsc.edu/cats/sc/help/news/2002/02.1010steltocnf.shtml>
 - purchased by many universities prior to Oracle's acquisition
- Homegrown / Open Source
 - Va Tech
 - Skidmore
 - **University of Washington**



- Expand UWCalendar community
- Customizable look and feel
- Public events only



- Created Struts / XML / J2EE versions of UWCal Admin and Public (guest) clients
- Did not fully implement personal client
- Added administrative features
 - admin groups
 - servlet role based authorization
 - location and contacts management
- Updated usability / configurability
- Generated Rensselaer skins, including support for html, rss, and ical on desktops and PDAs



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Current State of Production

- Deployed December 1, 2003
- As of June 4, 2004
 - 1352 events
 - 63 admin groups
 - 170 admins
- No redeploy since December
 - added meta tags
 - added rss feeds
 - changed default view




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Social Factors

- Past: sending email
- Future: posting to a central system
 - for events, the Campus Events Calendar
 - users can subscribe to calendars, pull rss feeds, or receive email as they choose

= Paradigm Shift






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UWCalendar Release 2

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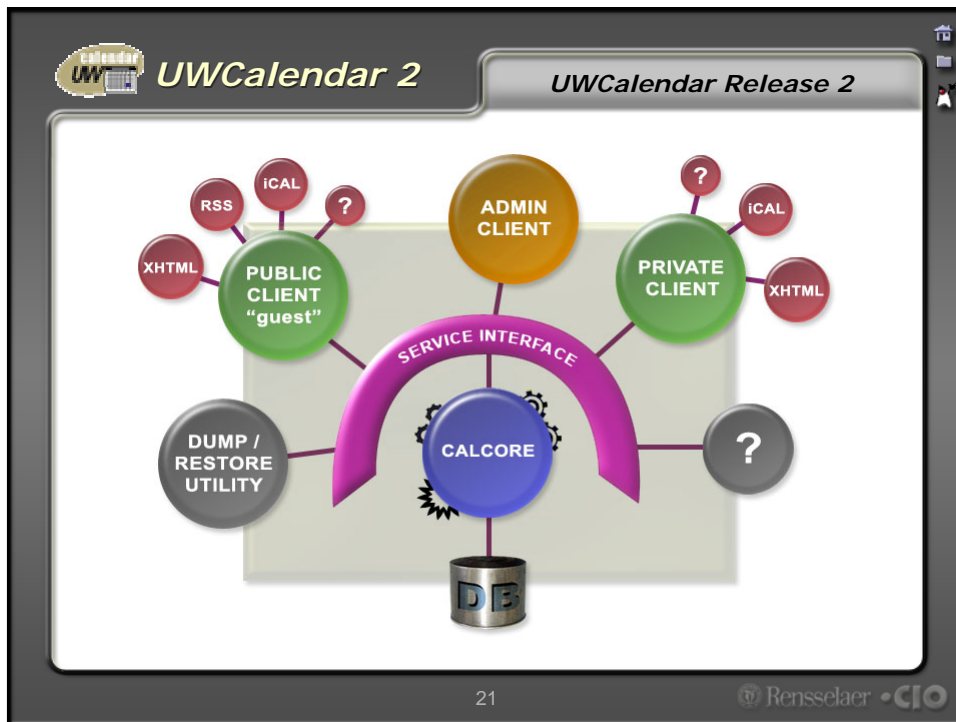
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UWCalendar Release 2

- Restructured to facilitate development:
 - Modular approach
 - Built around a service interface (“service oriented architecture”)
 - No presentation logic in core calendar code

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- Calendar UW **UWCalendar 2** Motivations
- Make development manageable
 - Add features more easily
 - Add other applications more easily
 - Encourage others to participate
 - Allow clustering
 - Support Portlets - JSR 168
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- Events in multiple categories
- Email subscriptions
- "Departmental" views
- Dump / restore utility
- Rewrite back-end to support clustering
 - redesign service interface
 - Hibernate??
- JSR 168 portlet implementation



- Group calendaring
- Room / resource scheduling
- True synchronization



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Examples

The screenshot displays the UWCalendar 2 web application. On the left, a calendar grid for June 2004 is shown, with various events listed. On the right, the 'Events Calendar Administration' panel is visible, featuring a 'Main Menu' with options like 'Home', 'Add', 'Edit', and 'Delete', and an 'Administrator's Menu' with options like 'Admin Groups', 'Admin Users', 'Admin Calendars', 'Admin Keywords', and 'Admin Groups'.

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References

- UWCalendar Project
 - <http://www.washington.edu/ucal>
- Rensselaer Institutional Calendar of Events
 - <http://j2ee.rpi.edu/cal>
- Washington Events Calendar
 - <http://myuw.washington.edu/pubevents/servlet/uwcal.UWCal>

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