



Bedework 3.0

(a.k.a. UWCalendar)

an institute-wide open-source
Java events calendar

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Topics

- Overview of Bedework
- Recent progress
- Demonstration
- Future plans

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Overview of
Bedework

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An institutional calendar could provide:

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



- Bedework is
 - a total calendaring and events system
 - open source
 - Java (hence platform independent)
 - modular, extensible, and easily integrated with other systems
 - intended for higher education
 - *and...*

STANDARDS COMPLIANT

- iCal : RFC 2445
<http://www.ietf.org/rfc/rfc2445.txt>
- CalDAV draft version 06
<http://ietf.webdav.org/caldav>
- Why? ...interoperability!

- Calendaring could be like email
- Aggregation at client and server
- Exchange? Oracle?
 - All or nothing vs. modularity
 - Change from one system to another?
- CalConnect
 - Oracle, IBM, Mozilla, Yahoo, & Novell among others; approx. 10 universities

- Bedework:
 - named after the Venerable Bede (AD 673-735)
 - monk & highly influential scholar
 - in 725 AD wrote treatise: *On the Reckoning of Time*
 - and a Google search of Bedework, for now, returns only references to this project!



- Four main components:
 - public views
 - personal views
 - administrative interface
 - CalDAV

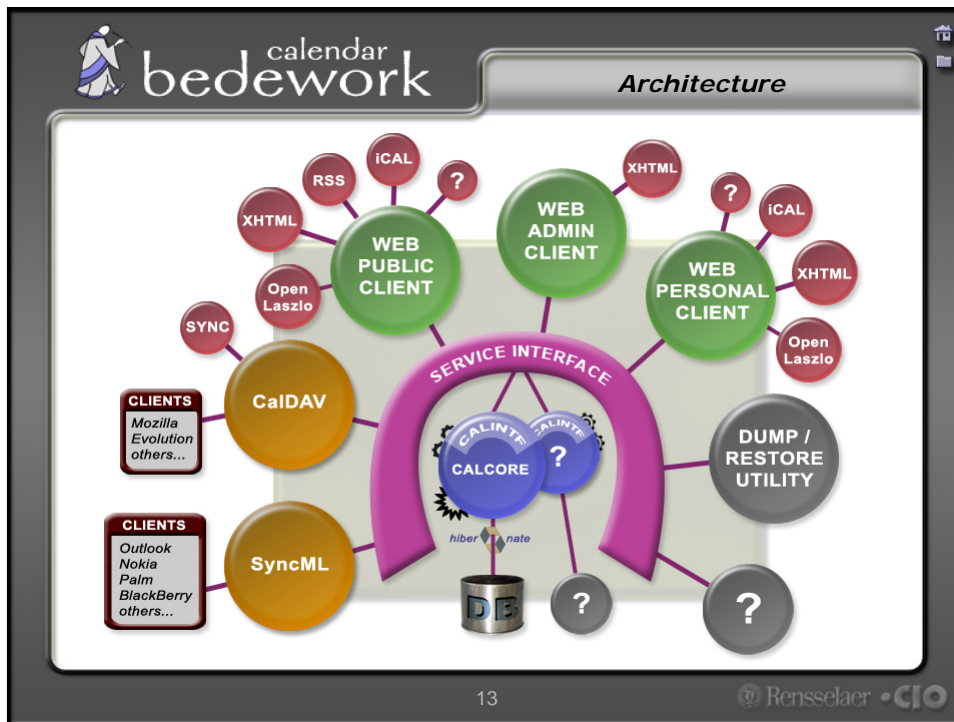


- Features:
 - Distributed, fine grained administration
 - Administrative groups
 - Location and contacts management
 - Access control & sharing
 - Stand-alone & portlet implementations
 - True synchronization
 - Highly customizable look and feel
 - Deliver to any platform, device, or media

- Java / J2EE
- XML, XSLT
- Hibernate

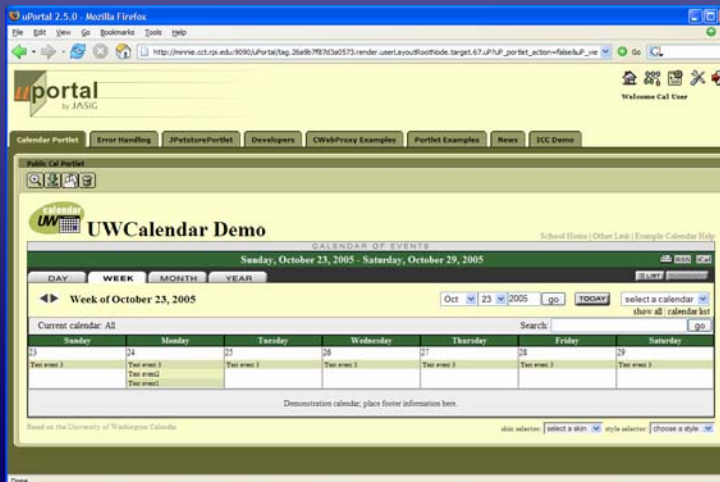
- Again, supporting
JSR-168 and CalDAV





- calendar bedework Bedework Back-End
- **Modular**
 - Built under a service interface (“service oriented architecture”)
 - Implements Callntf
 - Currently have a Hibernate implementation with a local database
 - Could have, for example, a CalDav implementation with a remote calendar
 - Or both: many implementations simultaneously possible (e.g. Exchange connector)
 - This gives us server-side aggregation of calendars
- The slide is presented in a slide window with the "calendar bedework" logo and "Bedework Back-End" title. The slide number "14" and "Rensselaer CIO" logo are at the bottom.

- JSR-168
- Implemented for Jetspeed using the portal-struts bridge
- uPortal version implemented by Satish Sekharan (Memorial University, Newfoundland)



UWCalendar Demo

CALENDAR OF EVENTS

Sunday, October 23, 2005 - Saturday, October 29, 2005

Week of October 23, 2005

DAY	WEEK	MONTH	YEAR			
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
23	24	25	26	27	28	29
Test event 1	Test event 1	Test event 1	Test event 1	Test event 1	Test event 1	Test event 1
Test event 2	Test event 2	Test event 2	Test event 2	Test event 2	Test event 2	Test event 2
Test event 3	Test event 3	Test event 3	Test event 3	Test event 3	Test event 3	Test event 3

Demonstration calendar; place footer information here.

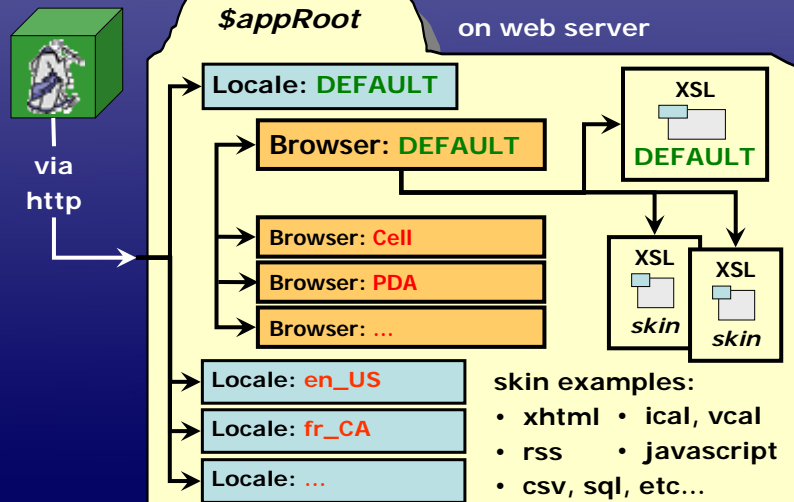


- Emerging standard
- Based on WebDAV
- Provides synchronization
- Promises flexibility in choice of user client
- Clients and servers being developed by vendors now: Oracle, Mozilla, Evolution
- Outlook OpenConnector for caldav

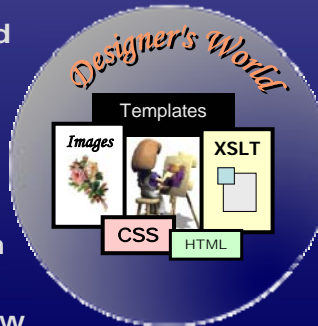


- Have proof of concept implementation of synchronization using SyncML
- Successfully synchronized with Outlook
- Palm is under development

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

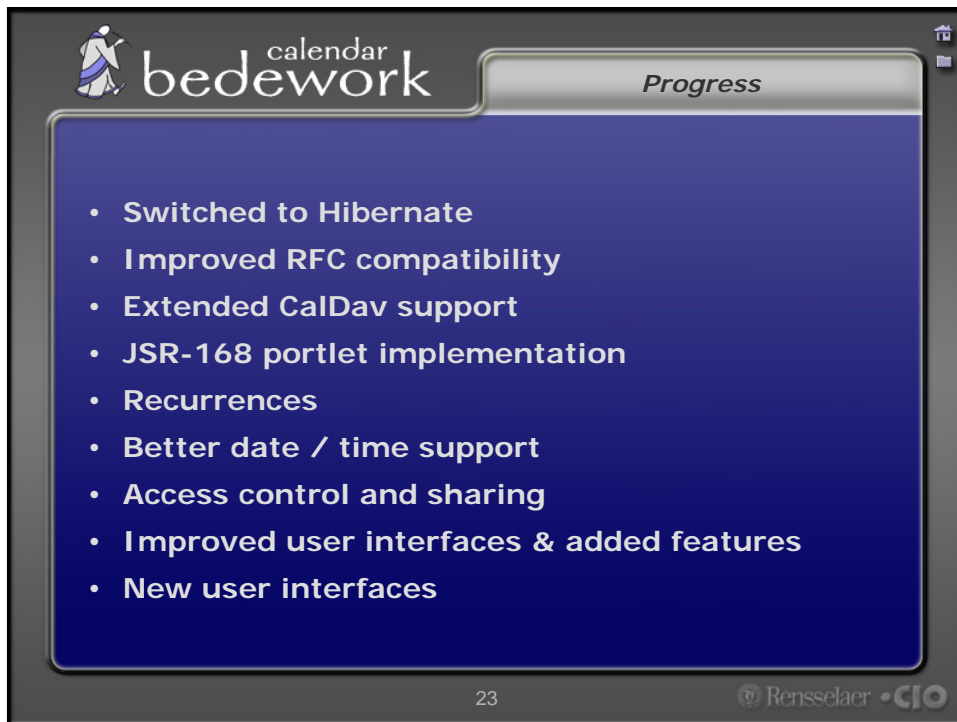


- Applications are accessible to regular web designers
- XSLT lives in designer's world
- Easy to change look and feel
- XSLT files live on the web "outside" our applications and are called over http
- We don't need to redeploy an application to change its appearance or to deploy a new skin



Progress

What's been accomplished over
the past year

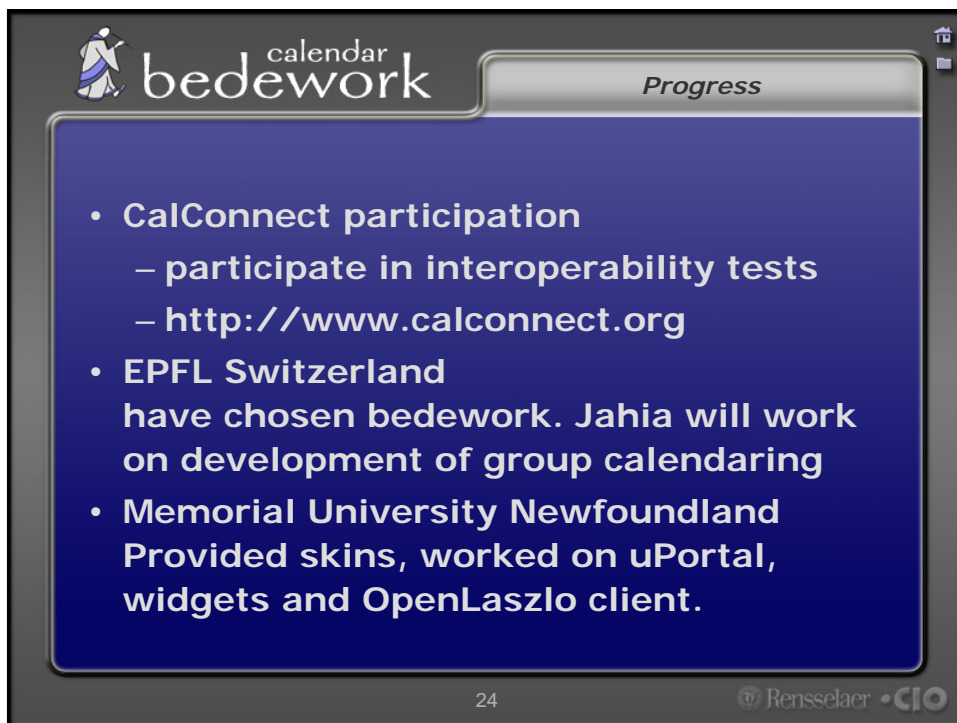


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Progress

- Switched to Hibernate
- Improved RFC compatibility
- Extended CalDav support
- JSR-168 portlet implementation
- Recurrences
- Better date / time support
- Access control and sharing
- Improved user interfaces & added features
- New user interfaces

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Progress

- CalConnect participation
 - participate in interoperability tests
 - <http://www.calconnect.org>
- EPFL Switzerland
have chosen bedework. Jahia will work on development of group calendaring
- Memorial University Newfoundland
Provided skins, worked on uPortal, widgets and OpenLaszlo client.

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Demonstration

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Demonstration





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Future Plans

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This is a presentation slide with a dark blue background. At the top left, there is a logo for 'calendar bedework' featuring a stylized figure. The title 'Future Plans' is centered in a large, bold, yellow font. At the bottom, the slide number '27' and the Rensselaer CIO logo are visible.

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Future Plans & Opportunities

- ✓ Event notification (alerts)
- ✓ Emailing of events
- ✓ Departmental calendars
- ✓ Group calendaring
- ✓ Support clustering
- Room / resource scheduling

✓ = imminent

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This is a presentation slide with a dark blue background. At the top left, there is a logo for 'calendar bedework'. The title 'Future Plans & Opportunities' is centered in a white font. Below the title is a list of six items, each preceded by a green checkmark. The last item, 'Room / resource scheduling', does not have a checkmark. At the bottom right, a legend indicates that a green checkmark means 'imminent'. At the bottom, the slide number '28' and the Rensselaer CIO logo are visible.



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A Final Note

- Major goal:
 - make product more attractive
 - ease installation and configuration
 - encourage adoption and development

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References

bedework.org

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