
 **Bedework 3.0**


Bedework 3.0

(a.k.a. UWCalendar)

an institute-wide open-source
Java events calendar



Communications & Middleware Technologies
Rensselaer Polytechnic Institute
November 8, 2005

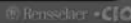
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 **Bedework 3.0** Who We Are

Mike Douglass - Senior Programmer
Arlen Johnson - Web Producer

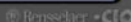
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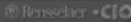
 **Bedework 3.0** Topics

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

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UW *Bedework 3.0*

Overview of Bedework

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UW *Bedework 3.0* *UW Calendar Overview*

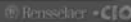
- The Bedework is
 - a total calendaring and events system
 - open source
 - Java (hence platform independent)
 - modular, extensible, and easily integrated with other systems
 - intended for higher education
 - *and...*

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UW *Bedework 3.0* *UW Calendar Overview*



STANDARDS COMPLIANT

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

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Bedework 3.0 What's in a name?

- **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 this project!

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Bedework 3.0 UW Calendar Overview

- **Four main components:**
 - public view
 - personal view
 - administrative interface
 - CalDAV

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Bedework 3.0 UW Calendar Overview

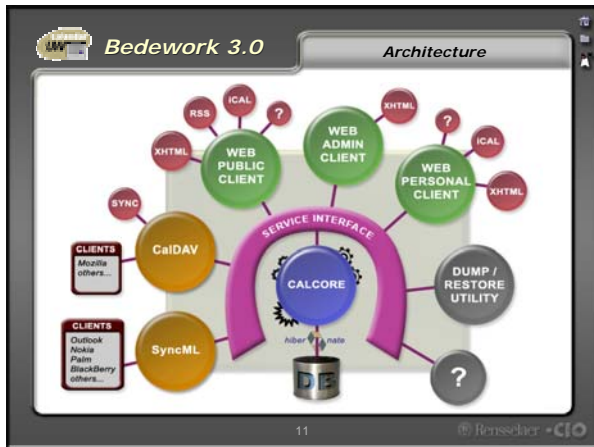
- **Features:**
 - Distributed, fine grained administration
 - Administrative groups
 - Servlet role based authorization
 - Location and contacts management
 - Stand-alone & portlet implementations
 - True synchronization (PDAs, Outlook, etc)
 - Highly customizable look and feel
 - Deliver to any platform, device, or media

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Bedework 3.0 Core Technologies

- Java / J2EE
- XML, XSLT
- **Hibernate**
(In development)
- Again, supporting JSR-168 and CalDAV

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Bedework 3.0 Bedework Back-End

- Modular
 - Built under a service interface (“service oriented architecture”)
 - No presentation logic in core calendar code
 - Replaceable!

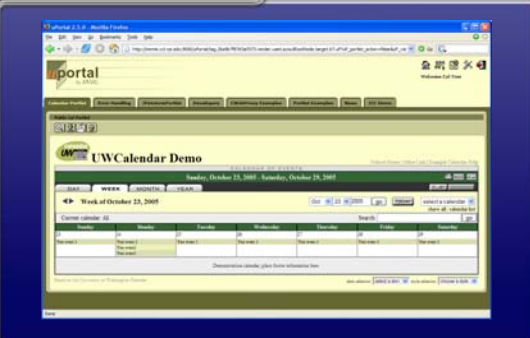
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Bedework 3.0 *Portlet Implementation*

- JSR-168
- Currently implemented for Jetspeed using the portal-struts bridge
- Pre-release UPortal version working

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Bedework 3.0 *Portlet Implementation*



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Bedework 3.0 *CalDAV Implementation*

- Emerging standard
- Based on WebDAV
- Provides synchronization
- Promises flexibility in choice of user client
- Clients and servers being developed by vendors now...

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Bedework 3.0 Sync Implementation

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


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Bedework 3.0 Bedework Front-End


- 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

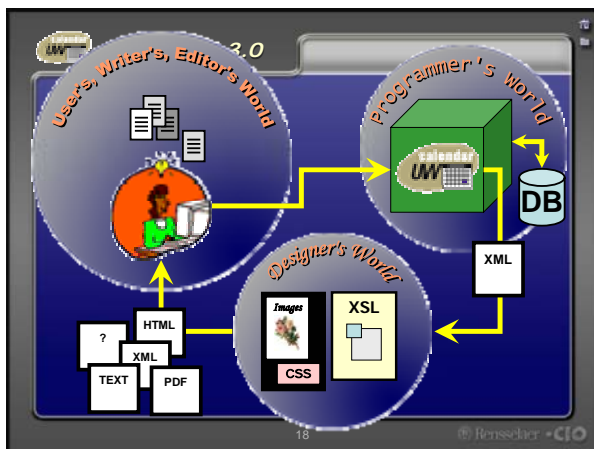


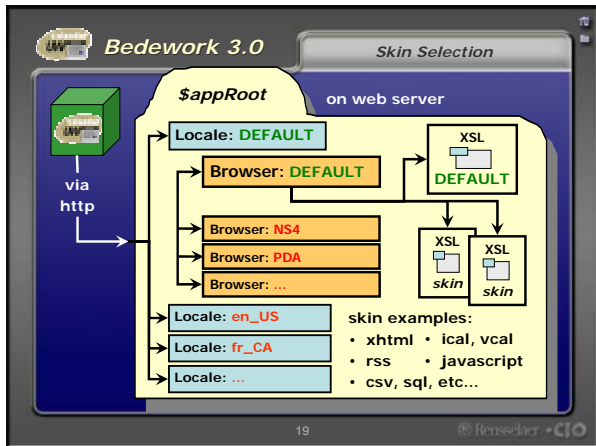
design



business logic

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- Bedework 3.0 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
 - Applications are accessible to regular web designers
 - Easy to change look and feel (which happens not infrequently...)
- Designer's World*
- Templates
- Images XSLT
- CSS HTML
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Bedework 3.0

Progress

What's been accomplished over the past year

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Bedework 3.0 Progress

- Switched to Hibernate
- Improved RFC compatibility
- Added CalDav
- Added synchronization layer
 - SyncML component contributed by Xavier Lawrence and Jahia in Switzerland (<http://www.jahia.com>)
- JSR-168 portlet implementation
- Improved user interfaces & added features

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Bedework 3.0 Progress

- Joined CalConnect
 - participate in interoperability tests
 - invited to co-chair, and work on RFC
 - <http://www.calconnect.org>
- Consortia...

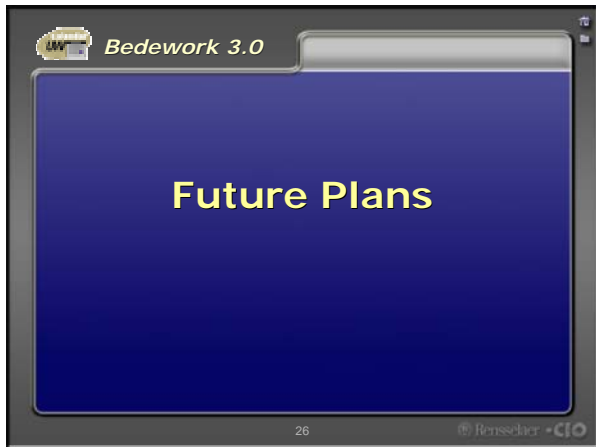
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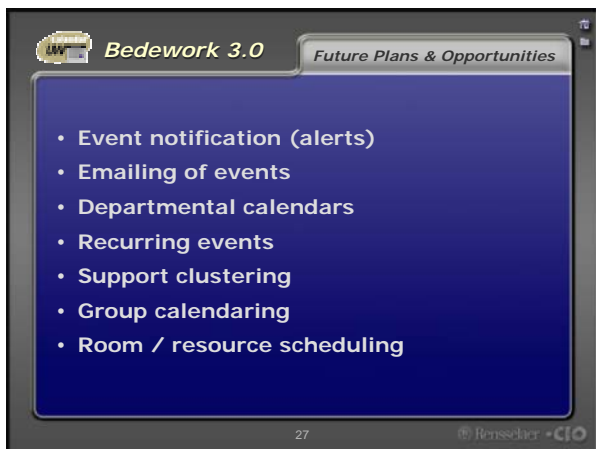
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Demonstration

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Bedework 3.0 *A Final Note*

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

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Bedework 3.0 *References*

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

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