A Bedework Overview: Past, Present, and Future

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March 8, 2010

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Who We Are

Gary Schwartz – Director CMT, *in absentia*
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Tell 'em what you're gonna tell 'em

- **Bedework background**
- **Bedework the product**
- **Bedework the project**
- **Q&A**

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Bedework Background

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They Say It's Your Birthday

- **March 2010 marks the 4th anniversary of Bedework 3.0, the first Bedework release.**

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Who's Using Bedework?

- In production
  - Bennington College (US)
  - Bishop's University (Canada)
  - Brown University (US)
  - Cornell University (US)
  - Cornerstone University (US)
  - Dalhousie University (Canada)
  - Duke University (US)
  - Illinois State University (US)
  - Jahia Software (Switzerland)
  - Juilliard (US)
  - Montana State University (US)
  - Public University of Navarra (Spain)
  - Queens University (Canada)
  - Rensselaer Polytechnic Institute (US)
  - University of British Columbia (Canada)

- In production
  - University of Chicago (US)
  - University of Kansas (US)
  - University of Maine, Fort Kent (US)
  - University of Maryland, College Park (US)
  - University of North Carolina at Chapel Hill (US)
  - University of Washington (US)
  - Yale University (US)

- Many more, both commercial and educational in both production and development

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What Is Bedework?

- **Bedework is a standards-compliant, open source, comprehensive calendaring and events system.**

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Total Calendaring System?

- A "Total Calendaring System" must meet all the following needs and more:
  - personal / group / public events calendaring
  - interoperable calendaring
  - shared calendars
  - scheduling
  - events publication / event submission
  - subscriptions / event pool
  - multi-language support / internationalization
  - structured venues / contacts, sponsors / etc.
  - much, much, more ...

- Priorities driven by standards requirements & user feedback

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A Calendar System for Higher Ed

- **Low "buy-in" cost**
  - **Integrates with extant campus directories**
  - **Integrates with extant campus authentication**
  - **No license or usage fees**
  - **Works with a number of database systems**
  - **Distributed administration**
  - **Easily skinned**

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Interoperability is a core value!

- **Bedework's preoccupation with standards and interoperability is in large part recognition that in many organizations, Bedework is unlikely to be the only calendaring product in an enterprise.**

- **The ability to share and exchange data with other calendaring products and environments is an important key to Bedework's future well-being as a product and a project.**

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Like the Beatles said

- **And, in the end, the love you take Is equal to the love you make**
- **Active participation in CalConnect**
  - **Chair FREEBUSY Technical Committee**
  - **Chair Timezone Technical Committee**
  - **iSchedule, CalDAV Technical Committees**
  - **Publicity Committee**
  - **Steering Committee**
  - **Board of Directors**

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CalConnect

- **CalConnect - The Calendaring and Scheduling Consortium:** http://www.calconnect.org

- **"The Consortium is focused on the interoperable exchange of calendaring and scheduling information between dissimilar programs, platforms, and technologies."**

- **Membership consists of industry leaders and a large number of universities**
  - **http://www.calconnect.org/mbrlist.shtml**

- **Interoperability testing!**

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CalConnect Members

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Bedework Vision

- **Enlightened self interest**
  - Deliver value locally – but develop for global community
  - Make Bedework attractive enough to other universities that they adopt the software and contribute to its development.

- **Make Bedework the leading open source Java-based calendar in higher education**
  - Continue to grow the user community
  - Continue to grow the contributor community

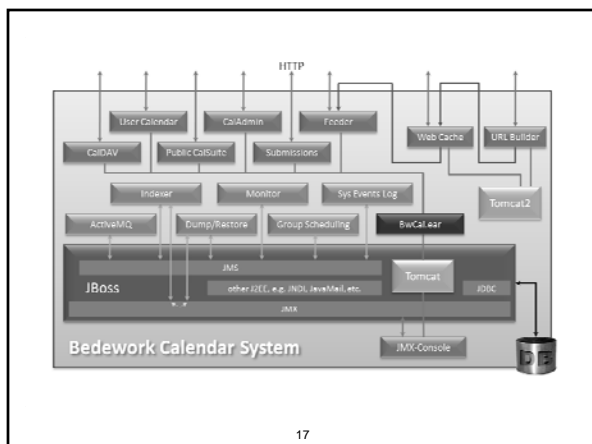- **Standards compliance is key to Bedework's success, present and future**

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Bedework the Product

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New in Bedework 3.6

- **Public Calendaring:**
  - New default public theme
  - Feed builder and web caching
  - Improved, refactored theming
- **Stronger internationalization**
- **Improved CalDAV performance**
- **Core Bedework packaged in JBoss**
- **System notifications over JMS**
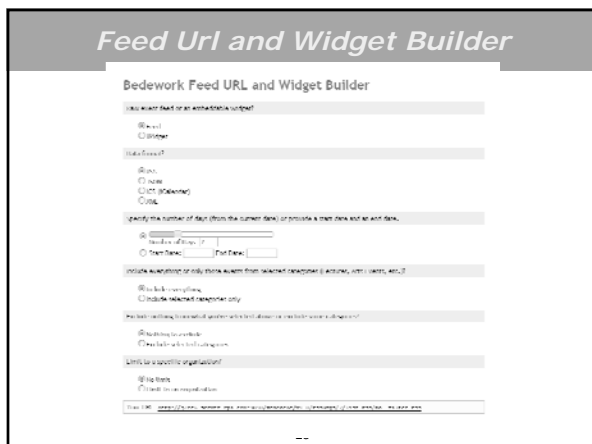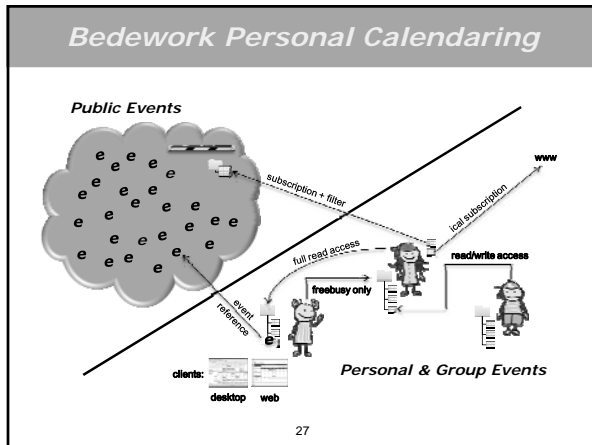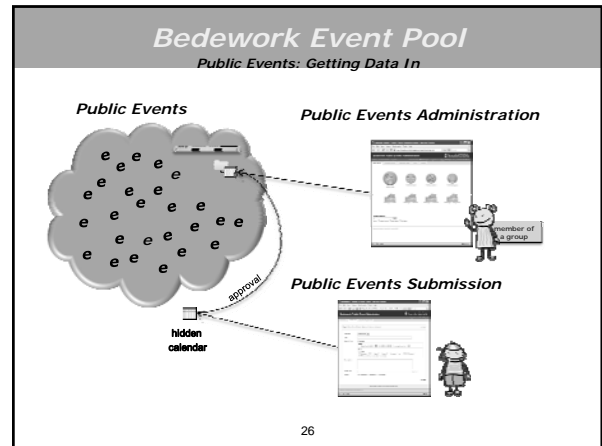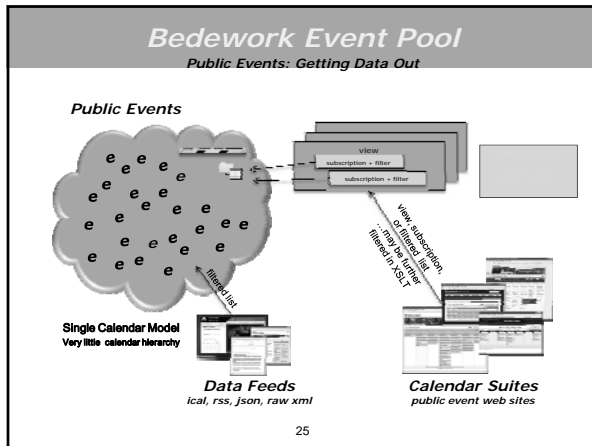- **Emphasis on ease of installation**

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New Public Theme

- **Based on Duke/Yale skin (and influenced by Chicago)**
- **Fully refactored**
- **Easily customized**

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University of Chicago

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Duke

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Yale

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Bedework 3.6

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Feed Url and Widget Builder

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Internationalized Themes

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Bedework Event Pool
Public Events: Getting Data Out

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Bedework Event Pool
Public Events: Getting Data In

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Bedework Personal Calendaring

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Bedework
(the product) Futures

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UCB & Bedework 3.7

- The University of California, Berkeley and Rensselaer will be collaborating on enhancements to the Bedework personal calendaring client, for deployment at UC Berkeley in late 2010.
  - Support for scheduling and managing resources
  - Managing groups and group invitations
  - Improvements to the web client UI for Free/Busy
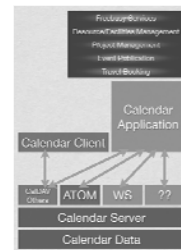 - Improved UI and platform support for integrating external iCal/CalDAV Feeds, especially Google calendar

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Further Futures

- Greatly simplifying administration
- Packaging
- Hosted/cloud Bedework, ala Shel Waggoner ("above campus services").
  - Hosted Bedework may very well be the future of Bedework
- Even stronger internationalization
- Bedework the calendaring platform...

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W2C

- **Federated/cloud/aggregation**
- **Workflow, Authentication, Discovery**
- **Social networking**
- **Semantic Web**
- **Handheld/mobile**
- **Massive scalability**
- **Pervasive internationalization/localization**
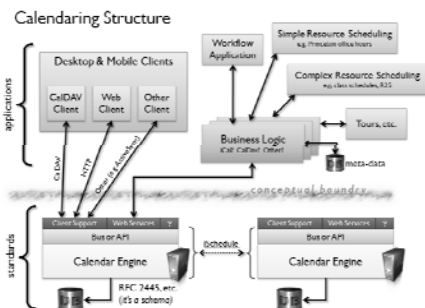- **Event aggregators / harvesters**

Calendaring as a Platform

- Start with calendar data and server/store API
- Can support traditional calendar clients
- Enable consumer calendar data (e.g. web portal widgets)
- Different protocol stacks on top provide flexibility and interoperability between calendar applications
- Extensible calendar services and APIs

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Another view

For example - Sakai

- **GT/Sakai/CalDAV**
  - **Opens Sakai's native calendaring capability to external CalDAV-based calendaring systems, such as Zimbra or Bedework**

  - **Groundbreaking in what it attempts to accomplish and what it suggests**
    - **We should all program within our core competencies, and augment with software produced by those with other competencies**

For example - Jiscmail

- **JISCMAil @ Rutherford Appleton Labs**
  - **Science & Technology Facilities Council**
  - **National Academic Mailing List Service**

- **Integrating calendaring with massive mailing list service**

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For example – Historical data

- **Calendaring as research interface into historical collections**
  - **Google maps has shown new perspectives are realized when you look at information from a geographical standpoint**
  - **A calendar view of a research collection might offer another new view**
  - **Dimension of date could reveal connections in time missed in more traditional approaches**
  - **Analogous to Tufte: *The Visual Display of Quantitative Information***
- ***15 miles (or more) on the Erie Canal***

- **Bedework and Sakai**
- **Bedework and Foodle**
- **Bedework and phpScheduleIt**
- **Agenda builders**
- **Office hours**
- **Building hours**
- **Bedework and conference registration**
- **Bedework and ???**

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Bedework the Project

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Bedework is Becoming a Jasig Project

- Bedework has broader appeal as a foundation-based project.
- The Bedework community has outgrown RPI's stewardship.
- Jasig's relationship with solutions providers increases the likelihood of commercial support.
- Jasig's relationship with other OSS foundations increases the likelihood of collaborations.
- Bedework is more sustainable as a Jasig project.
- Because, *it's time to take this step.*

Bedework Steering Committee

- *Developers*:
  - Mike Douglass – RPI
  - Arlen Johnson – RPI
  - Eric Wittman - Yale University

- *Stakeholders:*
  - Steve Carmody - Brown University
  - Deb Johnson - Duke University
  - Mimi Mugler - UC-Berkeley
  - Juan Cruz Ruiz de Gauna - Public University of Navarra

- *Jasig Board Liaison:*
  - Gary Schwartz – RPI

- *Jasig Executive Director (ex officio):*
  - Jonathan Markow

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Jasig - The Bottom Line

- **Jasig sponsorship for Bedework will allow us to meet the requirement that we set forth almost six years ago when we joined the UW Calendar project, *to make a lasting contribution to open source and higher education.***

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Broad Project Participation

- **packaging people,**
- **doc people,**
- **installation people,**
- **mailing list support people,**
- **CRM people, etc…**

The Bedework project cannot be a great project with only developers, no matter how dynamite the developers.

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Collaboration and Support

- **Broad collaboration with projects inside and outside of Jasig**

- **Collaboration with the IDM space/projects — Shib, CAS, etc**

- **Commercial support both large and small**

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- **Bedework is really coming into its own - thanks to the increasing number of adopters, the increasing number of people who want to get involved, and Jasig sponsorship. It has been a great ride, but truly the best is yet to come.**

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bedework.org

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