A Bedework Overview:
Past, Present, and Future

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Tell 'em what you're gonna tell 'em

• Bedework background
• Bedework the product
• Bedework the project
• Q&A

Bedework Background

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

Who's Using Bedework?

• In production
  - Bennington College (US)
  - Bishop's University (Canada)
  - Brown University (US)
  - Cornell 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)
  - Queen's 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

Who We Are

Gary Schwartz – Director CMT, in absentia
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Arlen Johnson – Senior Web Producer
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Mike Douglass – Senior Systems Programmer
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### What Is Bedework?

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

### 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

### 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

### 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.

### 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

### CalConnect

- CalConnect - The Calendaring and Scheduling Consortium: [http://www.calconnect.org](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](http://www.calconnect.org/mbrlist.shtml)

- Interoperability testing!
## CalConnect Members

| Apple | IBM | HP | Oracle | Microsoft | Sun | Sybase | VITAL | eventB | Google | i2 | KAI | Merck | Nortel | SGI | Veritas | Virgin | XERO | SunB |
|-----------------|-----|----|--------|-----------|-----|--------|-------|-------|--------|----|-----|--------|--------|-----|--------|-------|------|------|-------|

## 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**

## Bedework the Product

### 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**

### New Public Theme

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

Public Events

Single Calendar/Model

Data Feeds
cal, ics, json, raw xml

Calendar Suites
Public event web site

Bedework Personal Calendaring

Public Events

Public Events Submission

Bedework (the product) Futures

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

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...
**W2C**

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

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**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
I dream of things that never were, and ask why not?

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

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 Gasco - Public University of Navarra
- Jasig Board Liaison:
  - Gary Schwartz - RPI
- Jasig Executive Director (ex officio):
  - Jonathan Markow

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.

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.
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

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.

bedework.org