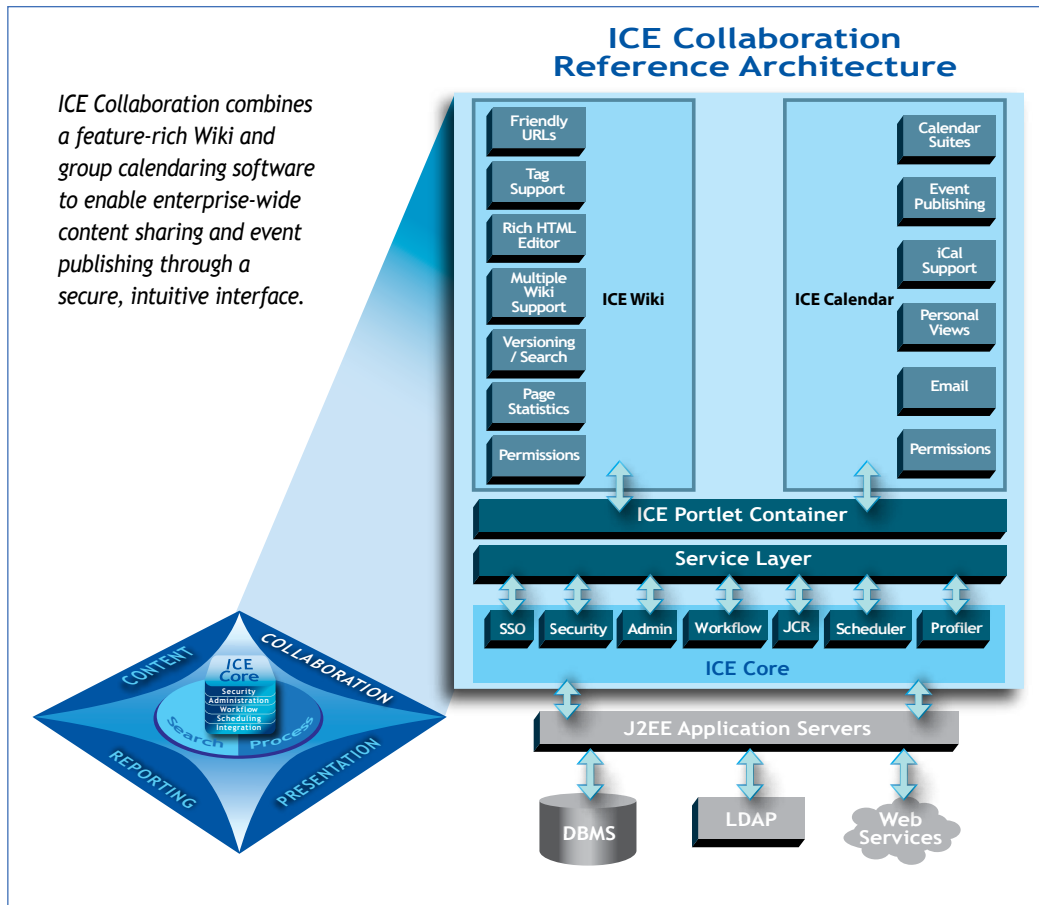


Bluenog ICE Collaboration: ICE Wiki and ICE Calendar

Executive Summary

ICE Collaboration™ consists of two components, ICE Wiki™ and ICE Calendar™. It enables users to easily create and share content, using securely accessible and inter-linked web pages enterprise-wide. ICE Wiki enhances the popular open source project, JSPWiki, with granular security permissions, page statistics, full versioning, search and many other enterprise-scale features. Based on the widely-used open source project Bedework, ICE Calendar provides the ability to create and maintain a suite of securely accessible calendars with event publishing capabilities. Both ICE Wiki and ICE Calendar run as portlets, and are therefore able to provide users with an intuitive, customizable interface.



ICE Collaboration combines a feature-rich Wiki and group calendaring software to enable enterprise-wide content sharing and event publishing through a secure, intuitive interface.

How ICE Collaboration Works

As more users embrace Enterprise 2.0 concepts such as wikis and group calendars, they will expect new web applications to seamlessly incorporate these familiar utilities. This further heightens the demand for applications that readily interface with existing systems. Organizations must also provide a more collaborative environment in which non-technical users can easily create and share content.

ICE Collaboration provides a comprehensive, cost-effective wiki and group calendaring solution. It includes two modules: ICE Wiki and ICE Calendar. Both modules leverage the Web 2.0 features of ICE Portal™ which provides intuitive user interface controls and portability across different browsers.

ICE Wiki

ICE Wiki is an application that allows users to securely post and share information without requiring them to interface directly with a Content Management System (CMS). Based on the popular JSPWiki open

source project, ICE Wiki users can easily create wiki pages that contain rich content, links and images. All ICE Wiki content is treated and stored as XML in a common repository, based on the open source project JackRabbit. Page content can be readily searched which eases maintenance and eliminates redundancies. Granular permissions can also be set at the wiki and page level to govern whether users can add, view, edit or delete pages, page comments and attachments. Security and entitlements can be set by users as they post pages, eliminating the need for an administrator's help.

A rich HTML editor is included to easily create or revise wiki pages. Users can customize page styles to enforce a consistent look and feel across such content attributes as headings, font type/size and table formatting. Images or other files can be uploaded as attachments, then referenced for inclusion in a page. Image characteristics such as size, border, alignment, aspect ratio and mouse-over text are all customizable. Links to other wiki pages or external resources can also be defined through the editor. 'Friendly' URLs can be used to pass a reference to a wiki page to a non-portal user. This enables ICE Wiki pages to be easily shared more widely across an organization.

ICE Wiki includes full versioning, so whenever changes are made to pages within the wiki, previous versions are automatically saved. Users can use the 'Difference' feature to identify variations between versions so it's easy to identify and revert to the prior version they need.

To better organize content, ICE Wiki allows multiple wikis to be created in a single server instance. Users are able to maintain context while switching between wikis. Extensive page statistics and information on the most recent pages visited, as well as incoming and outgoing links, enable ICE Wiki administrators to proactively manage wiki usage.



ICE Wiki enhances JSPWiki with granular security permissions, page statistics, full versioning, search and many other enterprise-scale features.



ICE Calendar extends Bedework to include restricted access to calendars based on a user's role and associated permissions.

ICE Calendar

ICE Calendar is a group calendaring application based on the widely-used open source project Bedework. ICE Calendar extends Bedework's core functionality to enable secure, restricted access to calendars based on a user's role and associated permissions. Through its user interface, ICE Calendar provides the ability to create and maintain a suite of calendars and the events associated with them. Calendar administration, including permission settings, are handled through ICE Central™, the central administrative console of Bluenog ICE™.

Any activity or task can be entered in ICE Calendar as an event. Color-coded status reflects whether events are tentative, confirmed or cancelled. Single or recurring events and exceptions to event patterns can be defined as needed. Events can also be subjected to workflow which ensures pending events are reviewed and approved by appropriate authorities prior to posting. Events can also be emailed or exported from ICE Calendar and imported from iCalendar formatted calendars including Microsoft Outlook. Full event search capabilities are also provided with options to limit search results based on keywords, text content or date.

ICE Calendar enables many Calendars to be created for a given organization, including those related to different departments or project teams. Additionally, integrated views of events assembled from multiple Calendars can be created, a particularly helpful feature when scheduling activities across several departments.

ICE Wiki and ICE Calendar: Key Components of Bluenog ICE

ICE Collaboration's ICE Wiki and ICE Calendar are available as integral components of Bluenog ICE™, a comprehensive and tightly integrated suite of content management, collaboration, portal and business intelligence software. Bluenog ICE is an Integrated Collaborative Environment that leverages Web 2.0 technologies and accelerates Enterprise 2.0 application development and deployment at a fraction of the cost of traditional alternatives. Its unified framework simplifies security, administration, workflow and scheduling. It also provides ready integration with third party commercial and open source projects.

Bluenog ICE significantly cuts the time and cost of development, implementation and maintenance compared with integrating stand-alone solutions. It leverages existing investments in software and expertise, reduces the burden on IT, and improves data security.

In addition to ICE Collaboration, Bluenog ICE includes:

- **ICE CMS™**
an Enterprise Content Management (ECM) system that securely creates, manages, publishes and repurposes a wide range of content for web, print and application access
- **ICE Portal™**
a Rich Internet Application (RIA) portal development environment that gives users a highly customizable, interactive experience with secure access to dynamic content, reporting functionality and enterprise applications
- **ICE BI™**
a powerful tool to design, view, distribute and interact with secure reports based on enterprise-wide data

Supported Configurations

ICE Collaboration is designed to adapt easily to existing environments. It runs on any platform that supports a JVM (i.e. Linux, Solaris, Windows). It supports a wide range of attachments and images on wiki pages. Please visit www.bluenog.com for the latest list of supported configurations.

About Bluenog

Bluenog is an enterprise software and solutions company that specializes in integrated content management, collaboration, portal, and business intelligence. Leading organizations rely on Bluenog products to build and deploy Rich Internet Applications (RIA), manage dynamic website content and readily integrate with existing systems at a fraction of the cost of traditional alternatives. Bluenog Solutions Group meets our customers' unique challenges with pragmatic combinations of commercial and open source software. Headquartered in Piscataway, N.J., Bluenog is also a Red Hat, Oracle and Actuate reseller.

For more information, visit www.bluenog.com.

ICE Collaboration Features	ICE Collaboration Functions	ICE Collaboration Resulting Benefits
Granular permissions at the wiki, page and calendar level	<ul style="list-style-type: none"> - Restrict wiki and calendar access based on user, group or role - Set permissions as to who can add, view, edit or delete pages, page comments and attachments - Users able to set security when posting without requiring an administrator's help 	<ul style="list-style-type: none"> - Non-technical users can create and share content faster and easier without compromising security or requiring them to learn how to use a Content Management System (CMS)
Supports multiple wikis and calendars in a single server instance	<ul style="list-style-type: none"> - Switch between multiple wikis while still maintaining context - Create many calendars for a given organization, such as those related to different departments or project teams - Create an integrated view of events assembled from multiple calendars 	<ul style="list-style-type: none"> - Improves organization of wiki content - Eases collaboration and scheduling of events involving multiple departments or teams
Versioning, 'Difference' feature and workflow	<ul style="list-style-type: none"> - Previous versions are automatically saved whenever changes to wiki pages are made - 'Difference' feature identifies variations between versions - Enforce hierarchy of review and approval prior to posting pages - Events considered 'pending' until approved by proper authority 	<ul style="list-style-type: none"> - Easy to identify and rollback to prior versions as needed - Streamlines governance procedures - Improves accuracy and timeliness of posted content
Full search capabilities	<ul style="list-style-type: none"> - All wiki content is treated and stored as XML in a common repository (using JackRabbit as its central repository) - Search all page and event content using Lucene-based search engine - Limit search results based on keywords, text content or date 	<ul style="list-style-type: none"> - Eases maintenance and eliminates redundancies
Intuitive, customizable user interface and rich HTML editor	<ul style="list-style-type: none"> - Leverages familiar Web 2.0 controls such as drag and drop and portability, across different browsers - Easily create or revise wiki pages and customize page styles with content attributes such as headings, font type/size and table formatting 	<ul style="list-style-type: none"> - Easy to use interface accelerates user adoption, reducing support inquiries - Gives users a more personalized experience - Enforces a consistent look and feel
Import /export events	<ul style="list-style-type: none"> - Events can be emailed or exported from ICE Calendar and imported from iCalendar formatted calendars including Microsoft Outlook 	<ul style="list-style-type: none"> - Simplifies coordination of personal and group calendars
Rich content and 'Friendly URLs' support	<ul style="list-style-type: none"> - Upload images or other files as attachments, then reference them for inclusion in a page - Image characteristics (e.g. size, border, alignment, aspect ratio and mouse-over text) are all customizable - Define links to other wiki pages or external resources using the editor - 'Friendly' URLs can be used to pass a reference to a wiki page within ICE Portal to a non-portal user 	<ul style="list-style-type: none"> - Improves user experiences - Leverages investments in multimedia content
Extensive wiki statistics and information	<ul style="list-style-type: none"> - Automatically tracks most recent pages visited, as well as incoming and outgoing links 	<ul style="list-style-type: none"> - Administrators can proactively manage wiki usage for optimal user experience
Comprehensive event publishing capabilities	<ul style="list-style-type: none"> - Color-coded status distinguishes tentative, confirmed or cancelled events - Define single or recurring events and exceptions to event patterns as needed 	<ul style="list-style-type: none"> - Adapts to support a wide range of activities and events
Integral components of Bluenog ICE™, a commercially licensed suite of products based on open source projects	<ul style="list-style-type: none"> - All products backed by 9x5 (standard) or 24x7 (optional) support, maintenance updates and professional services - Leverages extensive development efforts of respected, well-documented open source projects including Hippo CMS, JetSpeed2, BIRT, JSPWiki and Bedework - Bluenog offers indemnification for all of its products - Easily administer calendars, including permission settings, with ICE Central 	<ul style="list-style-type: none"> - Lower cost, enterprise-caliber solution - Reduced maintenance costs, lower overall TCO - Innovate without the burden of maintaining and supporting open source projects yourself - Reduced risk and liability