OpenEAI

News Release

April 26, 2005
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OpenEAI 4.0 Release Scheduled for June, Beta Builds Available on the Web

Champaign, Illinois

The OpenEAI Project plans a general release of OpenEAI 4.0 in June 2005. Beta builds with preliminary implementations of many features are available for download now.

New features

New features include:

- Support for message transports in addition to JMS
- Business-event-ordered processing of synchronization messages
- Multiple query objects for a given actionable object
- Dynamic property refreshing
- Notification mechanism for Scheduled Applications when exceptions occur during processing

For more details and downloads, see
http://www.openeai.org/openeai.xml?document=Version4Planning.xml.

[The document follows].

OpenEAI 4.0 Planning

The OpenEAI Project plans to release OpenEAI 4.0 in June 2005. Beta builds of OpenEAI 4.0 with preliminary implementations of many of the features listed below are available now.

If you have any input or ideas on these features or on others you would like to see, please send e-mail to info@openeai.org or the appropriate project department discussion list.

The status of these new features in the most recent builds of the OpenEAI 4.0 beta are indicated by color.

- **RED** means the new feature is not yet included in the beta
- **BLUE** means the new feature is included in the beta, but not well tested (sorry, yellow was too hard to read on the page, so we used blue instead)
- **GREEN** means the new feature is included in the beta and pretty well tested, but the functionality will not be considered fully tested until the general release of OpenEAI 4.0

New Features in OpenEAI 4.0

1. **Support for message transports in addition to JMS**

   This will involve restructuring the class hierarchy for transport layer objects to create a RequestService and a SyncService interface, along with several implementations, starting with the JMS implementations

2. **Provide a reference implementation of business-event-ordered processing of synchronization messages, as prescribed by the OpenEAI Message Protocol**
3. **Support for multiple query objects on a given actionable object**
4. **Ability to refresh properties dynamically without bouncing applications**
5. **Update dependent required libraries to latest releases**
6. **Support JDK 1.5 while maintaining backwards compatibility with JDK 1.4.x**
7. **Verify the correlation between the request sent and the reply received**

   Correlation of a reply to a request and the isolation that guarantees it is provided by reliable transports like JMS. However, experience indicates that the ability to expressly perform this verification at the application foundation level may be essential to maintaining system and data integrity

when using less reliable transports. OpenEAI will be able to use less reliable transports with the 4.0 release (see item 1 above). The OpenEAI Message Protocol already specifies that the information required to perform this checking appear in request and reply messages, and existing OpenEAI foundation components comply with that specification. This enhancement involves enabling this checking in appropriate foundation components, establishing the overhead incurred by this checking, and perhaps making this checking configurable, so the overhead does not have to be incurred when using a reliable transport where miscorrelation does not occur or is very rare.

8. **Add a notification mechanism to the ScheduledApp foundation that could alert an interested party when a scheduled application of type 'daemon' has problems during execution**