Nuxeo Roadmap

From *Memphis* to *Chicago*...

2008-06-21 — Nuxeo Team

5.1 aka *Memphis* is a large success

2007/08 - 5.1.0
2007/09 - 5.1.1
2007/11 - 5.1.2
2008/01 - 5.1.3
2008/04 - 5.1.4
2008/06 - 5.1.5
2008/09 - 5.1.6

5.1's future

- A lot of small features and improvements have been added until 5.1.5, according to customer feedback

- 5.1.5 marks the end of active development phase

- 5.1 branch is now a pure maintenance branch
  - Bugfixes
  - Better MS Windows support (installer + system integration)

- Some new features may appear as addons modules
  - Backport from 5.2 when required by supported customers

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Available Addons

- JSR 168 Portlets [5.1]

- Document Links [5.1]

- Indexing Bridge (generic WS for external indexers) [5.1]

- Picture management [5.1]

- Authentication Modules (NTLM, CAS, SSO, portal ...)

- Metadata Extractors [5.1]

- RESTlets Pack [5.1]

- Simple PDF generation [5.1]

- Personal Workspaces [5.1]

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Available Addons

- Multi-axis Navigation [5.1]

- WebDav Connector [5.1]

- XML-RPC Connector [5.1]

- Mail Fetcher [5.1]

- MS Office OLE extractors [5.1]

- MS Office Document Merger [5.1]

- WebBrowsing Audit [5.1]

- Virtual Folders (5.2)

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Onto Chicago...

More infrastructure, lighter packaging, new features

Onto Chicago...

- ⭐ 2008/03 - Official Start
- ⭐ 2008/05 - M1 [DONE]
- ⭐ 2008/07 - M2
- ⭐ 2008/09 - M3
- ⭐ 2008/10-11 - Release

More infrastructure, lighter packaging, new features

Core Repository NG

- New storage subsystems
  - JCR Backend: upgrade to JackRabbit 1.4
  - Native SQL Storage for Nuxeo Core
  - Object Store (db4o)
  - Configurable low-level Blob Store (with streaming)
- Repository snapshotting (*Point in Time Recovery*)
- Nested Events
  - Real-time notifications
  - Grouping through "Operations" (1 user action = 1 event)

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Infrastructure

- JBoss 4.2 support
  - Includes Jboss Messaging as default JMS provider
- GlassFish 3 support
  - Implies Sun App Server support
  - Support for GlassFish embeddable container
- Jetty support for light deployments
  - Pure Web container
  - WebEngine standalone
- Official Java 6 support
- Adapt infrastructure to projects' needs
- Optimize global performances

Web UI

- Simplify integrator work

- Improve default web UI usability

- Seam JSF WebApp
  - Infrastructure upgrade (Seam/JSF)
  - Simplify framework API
  - WebEngine integration
  - WebWidgets integration
  - New default theme

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WebEngine

- The content-centric web framework
- Web front-end for Nuxeo Platform
  - Light web development
  - Powerful templating and scripting
  - Completely web-oriented and web-based
- Can work standalone or inside Nuxeo EP
- Lower requirements for Web developers
- Leverage existing web client frameworks (JS based)
- Used to offer new features: Blog Engine, Wiki Engine, Project Sites, etc.

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UI: RCP, GWT and Flex

- Flex / Adobe AIR
  - Integration of AMF Flex Remoting (Seam / Flamingo)
  - Helpers for Flex developers
  - Deep integration in the framework
- GWT
  - Allow to use GWT to build RIA
  - Use GWT as widgets in JSF pages
- Nuxeo RCP (Apogée)
  - Contribution to the Eclipse Foundation in progress
  - Improve packaging

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Indexing and Search

- 5.1 search engine will be replaced
  - Too hard to configure / Too difficult to maintain
  - Replacement: Nuxeo Core Query + Apache Solr
- Nuxeo Core Query for complex query in the repository
- Advanced external search engines integration
  - Leverage existing external indexer integration (ex: Arisem, Antidot, Exalead, Sinequa)
  - Use Lucene/Solr as default external indexer
    - Standard Lucene configuration
    - Multi-repository support
    - Can be used to index data outside of Nuxeo

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Packaging

- Nuxeo Enterprise Platform (current default package)
  - JBoss 4.2
  - Glassfish 3
- Nuxeo Core Services
  - POJO / GlassFish / JBoss
  - Can be embedded into any Java apps
- Nuxeo Core Services + WebEngine
  - Jetty embedded
  - Glassfish 3 embedded
  - Use Nuxeo Runtime's server launcher

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Semantic & Social Features

- Annotations
  - Based on the Annotea W3C specification
  - Annotate paragraphs or portions of text
  - Annotea extension to support the Nuxeo document model

- Timeline
  - know who has done what in your work entourage
  - useful to improve collaboration in workspaces
  - configurable on a per-project basis, as usual! :-)

- Tag Service
  - document / object tagging
  - can be integrated with an engine for automatic named entity recognition

- Presence Service (based on XMPP)

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More New Features :-)

- Rules engine integration
  - Business logic in rules rather than static code
  - Web UI to manage rules
  - based on an Enterprise Rule Engine (JBoss Rules / Drools)
- Virtual Folders
  - Create solders from search query
  - Useful to "save searches" or offer multi-axis navigation on top of the content repository
- WebWidgets
  - Integrate "Dashboard"-like widgets
  - Based on Netvibes' UWA spec
  - Can integrate any Netvibes widget (compliant with UWA)

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Misc Improvements

- Workflow Service
  - Simpler API
  - Performances improvements
  - Extract generic handlers from projects

- JMS and Messaging
  - Better API
  - Performance improvements

- User Notification Service
  - Align on new PlacefulConfigurationService
  - Supports batching (for daily batches)
  - Supports new notification channels

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Tools

- Administration tools
  - Add more commands to Nuxeo Shell
  - Leverage scripting features of Nuxeo Shell
  - Extract generic scripts from existing implementations (backup, replication, exports...)

- Developer tools
  - Nuxeo IDE based on Eclipse
    - Apogee plugins
    - Nuxeo Helper plugins
    - Thirds party plugins
  - More Maven archetypes

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Desktop integration

- OpenOffice.org
  - Release Nuxeo LiveEdit's plugin for OpenOffice.org

- MS Office
  - Add supports for MS Office 97 and MS Office 2000
  - Include more actions to drive Nuxeo from MS Office

- MS Internet Explorer Extensions
  - Supports for IE 7
  - All-in-one packaging

- Firefox
  - Supports for Firefox 3
  - All-in-one packaging

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Chicago Status...

Task / Item	Status
Nuxeo WebEngine (content centric web framework)	Beta released
JBoss 4.2 support	Testable
Glassfish support	Internal testing
Upgrade to Seam 2 / JSF	Testable
SearchBridge: connectors for external engines	Beta released
WebWidgets: UWA portlets (Netvibes)	Integration
Core Query improvements (NXQL)	Partial implementation
Packaging with embeded Jetty	Testable
Packaging with embedded Glassfish 3	Internal testing
Nuxeo Core - native SQL Store	Internal testing
Nuxeo Core - native Object Store	not started
Flex/AIR integration (SEAM2 + Flamingo)	Design phase
Annotations on document	Design completed
Rules Service	Old Modules existing
Development tools (IDE)	In progress, testable soon
Administration tools	In progress, testable
Tags / Timeline Service	Done in projects

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Get Involved! :-)

Corporate Site: www.nuxeo.com

Community Portal: www.nuxeo.org

Forums: www.nuxeo.org/discussions

Doc Central: doc.nuxeo.org