Xyleme LCMS for EMC Documentum is industry’s first solution to enable organizations to develop, reuse, share, and publish learning content within their enterprise content management system. This integrated solution combines Xyleme’s leading XML authoring and publishing tools for learning content with EMC’s best in class content management, collaboration, and digital asset management technologies.

The solution creates a fully integrated enterprise/learning suite capable of delivering multi-modal training output and enhancing company-wide collaboration while leveraging the company’s investments in ECM platform infrastructure. Documentum provides the collaboration tools, document management, workflow, search, and security, while Xyleme serves the role of content authoring in a learning object environment, support for customization, and publishing of finished courses.

Xyleme LCMS for EMC Documentum enables training professionals to effectively leverage valuable content from other parts of the organization for training purposes, essentially eliminating duplication of development efforts and redundant versions of the same content.

**Key Benefits**

- Eliminate content redundancies
- Simplify content development efforts
- Automate processes for customization
- Integrate content assets across global business units
- Guarantee consistency with enterprise content
- Leverage best-of-breed ECM functionality like Web 2.0 integration
- Share SCORM compliant XML learning content with other departments
- Facilitate compliance and reduce content-related risks

**Enabling Team Collaboration**

Xyleme LCMS for EMC Documentum leverages Documentum eRoom and Collaborative Services to provide virtual communities of practice - a place for teams to collaboratively work on new custom training projects. Learning content and templates created in Xyleme LCMS in granular XML are directly accessible from this Documentum team space environment.

The Documentum team space also leverages Xyleme LCMS to provide strong developmental collaboration among dispersed subject matter experts (SMEs). Instead of requiring SMEs to learn multiple Word, PowerPoint, and e-learning templates, the integrated solution utilizes Xyleme’s single forms-based interface that SMEs can easily populate with the required text and media, dramatically reducing the burden of participation for these critical experts and improving time-to-market for learning projects. Draft versions of work-in-progress projects based on the information received from SMEs are automatically generated and delivered to the team space in real-time.

Underlying the collaboration team space is a robust document management repository containing all source documents, master files, media, and production-ready content that can be organized, indexed, and partitioned by multiple variables. Documentum’s information rights management ensures that all users have access only to the content that relates to their specific projects.
MANAGING DYNAMIC WORKFLOWS

Within Xyleme LCMS, all learning content and templates are created as granular XML and tagged for reuse. This ability for flexible, user-defined metadata allows Documentum's sophisticated business process management tools to support dynamic workflows and related tasks. For example, when a production worker logs into the integrated system to create a new project, they can be given a choice of project types, each with a unique set of templates and associated workflow. Upon project selection, all relevant source materials will be loaded in the team space and the workflow will be automatically initiated based on the project type and user role. To accommodate variation in processes across the businesses, workflows can be adapted when needed through a visual workflow editor. The team space also provides automatic notifications of task assignments or changes in workflow status.

LEVERAGING MEDIA ASSETS

Xyleme’s Media Asset Browser is fully integrated with Documentum’s Digital Asset Manager to allow assets to be wrapped in Xyleme Media Objects (XML containers) for reusability and learning objects to be easily populated with media assets.

<table>
<thead>
<tr>
<th>Media Asset Browser Services</th>
<th>Functions on each Media Asset</th>
</tr>
</thead>
<tbody>
<tr>
<td>• View media drive</td>
<td>• View thumbnail</td>
</tr>
<tr>
<td>• Customize view (details, large icons, small icons)</td>
<td>• View properties and metadata</td>
</tr>
<tr>
<td>• Enhanced search</td>
<td>• Edit asset (based on Documentum’s permissions and check-out/check-in version control)</td>
</tr>
<tr>
<td>• Create folder</td>
<td>• Edit properties and metadata</td>
</tr>
<tr>
<td>• Edit folder properties</td>
<td>• Delete asset (only when not associated with an object)</td>
</tr>
<tr>
<td>• Import asset(s)/folder into folder</td>
<td>• View and open related XML objects</td>
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<tr>
<td></td>
<td>• Wrap asset into XML object</td>
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<td></td>
<td>• Browse assets from XML editor</td>
</tr>
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<td></td>
<td>• Import asset wizard</td>
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</tbody>
</table>

Media Asset Browser Services and Functions on each Media Asset.
PUBLISHING TO MULTIPLE LEARNING MODALITIES

An extensive library of Xyleme publishing templates can be accessed through EMC Documentum services to ensure consistency in presentation, branding, and look-and-feel across all output types. As a result, the integrated solution can generate a number of different outputs from the same source content, including:

### Online Courseware

**Types:** SCORM 2004 and 1.2 certified courseware and assessments.

**Features:**
- Rich sequencing support for adaptive content delivery and prescriptive learning models.
- Integrate Flash, simulations and other rich media for highly interactive content.
- Courses can be deployed on any SCORM or Common Cartridge certified LMS.

### Instructor-Led Materials

**Types:** Student guides, instructor guides, study guides, presentation slides and exams.

**Features:**
- Topic and Procedure based templates for textbook and workshop style formats.
- Style Sheets control formatting of all authoring templates with automatic layout of table of contents, glossaries, logos and indices.
- Learning specific elements including instructor notes, activities, labs and classroom setup requirements.

### Performance Support

**Types:** Online knowledge bases, exportable help files, learning aids and reference manuals.

**Features:**
- On-line format provides direct access to specific course content, including audio and video.
- Media rich job aids can be perfectly formatted without any desktop publishing software.
- Custom outputs can be added by utilizing industry standard XML publishing scripts.

### Mobile Learning

**Types:** Outputs formatted for Smartphones and e-Book readers.

**Features:**
- Content is available in connected or disconnected mode.
- Smartphone delivery adapts to the level of rich-media support afforded by each device type.
- Support for the latest e-Book standards.

For more information about Xyleme LCMS for EMC Documentum, please visit [www.xyleme.com/lcms_ecm](http://www.xyleme.com/lcms_ecm).

### ABOUT XYLEME

Xyleme, Inc. is the industry's leading provider of open and standards-based learning content management solutions that enable single-source publishing of training content. Xyleme is 100% XML-based to create massive efficiencies through modularity and reuse. With Xyleme, training organizations improve collaboration in content development, reduce time-to-market for customized training products, and minimize the cost of supporting a blended learning strategy for print, online and mobile delivery.

With Xyleme LCMS, the entire content lifecycle, from authoring to storage to publishing, is pure open XML. Therefore, content is effortlessly repurposed across print, e-book, online courses and mobile applications and automatically synchronized across these learning products. Xyleme LCMS takes full advantage of user-generated content to support enterprise content development processes and can publish training content to both formal and social learning environments. The industry’s leader in standards support, Xyleme complies with key industry standards including SCORM 2004 and 1.2, Common Cartridge, QTI and e-Pub.

For more information about Xyleme, Inc., visit [www.xyleme.com](http://www.xyleme.com).