Module Specification
e-content with eXe
OLAREX project

Diana Pop, Andreas Pester
6/27/2012

This document presents the technical specifications for the development of e-learning material using eXeLearning.
## Document revision history

<table>
<thead>
<tr>
<th>REVISION</th>
<th>DATE OF RELEASE</th>
<th>PURPOSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Draft 1</td>
<td>21.06.2012</td>
<td>Technical Documentation OLAREX e-content in eXeLearning</td>
</tr>
<tr>
<td>Final</td>
<td>27.06.2012</td>
<td>New Style in eXe &amp; Technical Documentation OLAREX e-content</td>
</tr>
</tbody>
</table>
Content

1 INTRODUCTION ........................................................................................................................................... 5
   1.1 eXeLEARNING USEFUL LINKS ................................................................................................................ 5

2 ADDING THE OLAREX STYLE IN EXE APPLICATION .............................................................................. 5

3 EXE TECHNICAL SPECIFICATIONS ......................................................................................................... 6
   3.1 FORMATTING OPTIONS ......................................................................................................................... 9
List of Figures

Figure 1 Adding a new style in eXe................................................................. 6
Figure 2 Properties of the e-content.............................................................. 7
Figure 3 Metadata Tab................................................................................. 8
Figure 4 Export Tab .................................................................................... 8
Figure 5 Front Page eXeLearning Application............................................. 9
1 Introduction

eXeLearning is an Open Source authoring application dedicated to the teachers and academics for publishing a web content without the need to become proficient in HTML or XML makeup.

The content developed in this application can be exported in IMS Concept Package, SCORM 1.2, IMS Common Cartridge formats or as a simple self-contained web page.

For more information please have a look on the official Web Site of the eXeLearning application: http://exelearning.org.

This document was not developed to learn how eXeLearning Application works while this information can be found in the below provided links; it strictly defines the module specifications and the steps which the OLAREX partners has to follow for the development of their E-learning content.

Before talking about the technical specifications a short description about adding a new style in eXe will be made. Together with this document you will see attached Olarex.zip, please unzip it but do not change the name.

1.1 eXeLearning useful Links

Online manual: http://wikieducator.org/Online_manual
Installation guide: http://wikieducator.org/Online_manual/Installation
Working with eXe: http://wikieducator.org/Online_manual/Working_with_eXe
Embedding eXe resources: http://wikieducator.org/Online_manual/Embedding_eXe_resources
File Management: http://wikieducator.org/Online_manual/File_Management

2 Adding the Olarex Style in eXe Application

Step 1. Install eXe Application on your machine.

eXe can be installed on Windows (XP or Vista), Mac OS X, and Linux systems.

To begin installation has to be download the appropriate package from: http://exelearning.org/wiki

The steps of the installation process can be found on the Installation Guide: http://wikieducator.org/Online_manual/Installation
Each style in eXe is contained within its own directory. These directories can normally be found at:

- c:\program files\exe\style - for a Windows install
- /usr/share/exe/style - in Linux
- within the eXe application bundle at Contents/Resources/exe/style - on OS X

**Step 2.** Unzip the Olarex.zip on the style folder of the eXe

**Step 3.** Open the eXe Application and under the **Styles Tab** you should see the **Olarex Style**

![Figure 1 Adding a new style in eXe](image)

**3 eXe Technical Specifications**

eXe User Interface is composed by different areas: Menu Options, Side Bar, Authoring Workspace, and Properties Tab.

Detailed description of all the components of the user interface can be found on the following link: [http://wikieducator.org/Online_manual/Working_with_eXe](http://wikieducator.org/Online_manual/Working_with_eXe)

The Used Course Style should be **Olarex Style** from eXe.

Even from the beginning of your e-content development the properties have to be defined.
Go on Properties Tab and under Package Tab type the information that you would like to display on your e-content: Project, Title, Author, Footer and Description.

Under the Taxonomy section there are three levels predefined: Topic, Section and Unit. You don’t have to make any change in this section.

Figure 2 Properties of the e-content

As can be seen in Figure 3 the Metadata Tab gives the possibility to define specific items for your course as: title, creator, subject, description, publisher, contributors, date, type, format, source, language, relationship, rights and so one.

As Format the e-content developer can choose XHTML, SCORM1.2, IMS Content Package 1.1.3 or WebSite. In this case the teacher/developer has to choose SCORM 1.2.
The following instructions show you how to publish the eXe object you have saved, as a SCORM 1.2 package to upload into a Moodle course.

Click on the Properties tab at the top of the first page. Tick to Add Previous/Next links within SCOs. This action will place NEXT and PREVIOUS buttons on the web object once published. Click Apply.

Go to File > Export > SCORM 1.2. A Save dialogue box opens. Name the file as you wish. Browse to find the E-Guides USB memory stick and click on Save. Close eXe application. Go to File > Quit.
The Side Bar includes an Outline of your content and the iDevices predefined to help you in the development of your content. A detailed description of each iDevice the e-content developer can find in the User Guide.

We recommend you to create first of all a **Word Document** and to follow our specification in order to have an understandable and easy to follow e-learning module.

The structure of the e-content should be defined by using heading styles.

You are allowed to use heading up to 4 (Heading 1, Heading 2, Heading 3 and Heading 4) and each Heading 1 with its own hierarchy heading will represent one page in the Moodle. Has to be mentioned that the hierarchy of the chapters and subchapters is the same as in Word, Heading 1 is the first level and Heading 4 the last one.

Please take into consideration that a **chapter should not** have more than **2 pages in MS Word**. In this way your module will be easy to understand by the pupils.

### 3.1 Formatting options

For almost all the iDevices available in eXeLearning are available text formatting options:

- **Text has to be: Times New Roman, 3(12 pt)**
  - **Heading 1 Characteristics:** Times New Roman, 14 pt, Bold, Font color: Gray-75%, Hanging: 0,76 cm, Justified, Space Before: 24 pt
  - **Heading 2 Characteristics:** Times New Roman, 13 pt, Bold, Font color: Gray-75%, Hanging: 1,02 cm, Space Before: 12 pt
- Can be used any font styles (bold, italic or underline)
- Text should be **Aligned Full** for a better display in Moodle
- **Can** be used **unordered list** and **ordered lists**
- **Tables and pictures should** be **centred** and
  - **Text into the Tables** has to be also **Times New Roman, 12pt**
  - **Picture format** has to be **jpg or png**
  - **Image resolution** has to be at **less 72 x 72 px**
  - **Vdeo format** has to be **mp3**
- The style of the **references** has to be [http://citationmachine.net/index2.php](http://citationmachine.net/index2.php)