



LECTRA FASHION PLM – ENTERPRISE

Lectra AI Integration User Guide

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1. MAIN PRINCIPLES

1.1 Prerequisites

A recent version of Product Developer as well as a recent version of Adobe Illustrator (CS5 and CS6).

1.2 Installing the Lectra extension



You can find more information about installing the Lectra extension in the document Lectra_Fashion_PLM_Installation-Checklist.



The Lectra extension is available in versions CS5 and CS6.
Each should be installed with the same version of Adobe Extension Manager.

To install the Lectra extension:

1. Adobe Extension Manager is requested to install Lectra AI **Integration** extension: this is a utility automatically installed with Adobe applications.
2. With Adobe Extension Manager: click on <Install> function then select LectraExtensionxxx.zxp.
3. The Lectra Extension plug-in will be available in the current AI release.
Under MAC, this is mandatory to reboot the customer workstation to complete installation.

4. Configuration under PC :

- Copy conf folder is located under *C:\Program Files (x86)\Common Files\Adobe\CS6ServiceManager\extensions\com.lectra.lectraextension*
- Create a folder com.lectra.lectraextension under %USERPROFILE% (i.e. C:\Users\

5. Edit the file %USERPROFILE%\com.lectra.lectraextension\conf\access-config.xml and modify the PLM server name:

```
<?xml version="1.0" encoding="utf-8"?>
<config>
  <fipserver>servername:80</fipserver>
  <pdmserver>servername:80</pdmserver>
  <showconsole>>false</showconsole>
</config>
```

6. Under Mac :

- You need to create 2 files and associated folders:

```
<USERNAME>\com.lectra.lectraextension\conf\access-config.xml
<USERNAME>\com.lectra.lectraextension\conf\filemanager-config.xml
```

- Copy/paste this content to each file:

- o For **access-config.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<config>
  <fipserver>servername:80</fipserver>
  <pdmserver>servername:80</pdmserver>
  <showconsole>>false</showconsole>
</config>
```

- For **filemanager-config.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<config>
  <path>/AI</path>
</config>
```

1.3 Global functioning

The Lectra extension lets you illustrate your products with sketches done in Illustrator, as well as to use textile materials from Lectra Textile Designer Print, Weave and Knit in Illustrator.

2. TOOLS AVAILABLE

The Lectra extension adds commands in three places in the Adobe Illustrator interface:

1. File Menu > **Create a Product from a Selection**
2. Window Menu > **Lectra - Textile Simulations**
3. Window Menu > **Lectra - Illustrations Management**

2.1 Creating a PLM product from a selection

To create a PLM product from a selection:

1. Select an object.
2. **File > Create a product from a selection.**



The entire content of the selection is considered as a unique object.

3. The **Create a product from a selection** window opens.
4. Name the file.
5. Define the **Product Category**, as well as the sub-category > the PLM **Objectives** tab appears.
6. Complete the relevant information to suit.
7. Click on **Create**: the preparation is created (.ai file + illustrations) in the file manager, as well as the PLM Product, and the two are linked.

2.2 Creating a PLM product from a preparation

When you create a preparation in Illustrator, you determine in which branch(es) the **illustrations** will be ventilated when the PLM product is created.

To open the PLM Product window:


1. **Window > Illustrations Management**




1 Compartment name and the number of objects it contains

2 Compartment

3 Panel toolbar

 : The link with the base is active.

 : The link with the base is inactive.


 : **Where used**


 : **Add a Compartment**

 : **Delete selection**

4 Panel menu


To add compartments to the PLM Product window:

1. Click on  **Add a compartment** > choose the compartments that you want to add to the **Illustrations Management** window.

 In the PLM Manager, define the number and name of the compartments, as well as their destination in Product Developer.

To assign illustrations to compartments:

1. Drag-and-drop the selected objects from the current document to the compartment(s) you want.

 Double-clicking on an illustration in the **Illustrations Management** window gives you access to the **Graphic element information** window. You can modify the **Name** and add a **Description** of the illustration.

2. In the panel menu, you can:

- **Save preparation as...**
Name the .ai file. This file contains the document and the contents of the PLM Product panel. It is then available in Product Developer, but is not associated with a Product.
- **Create a Product and associate the preparation**
See [Create a product from a selection](#).

To organize the illustrations:


1. Drag-and-drop an illustration to move it inside a compartment, or from one compartment to another.

To replace an illustration:


1. Select an object in the current document or in a compartment.
2. **Alt+Drag+drop** one illustration onto another: the new one replaces the old.

To open an existing preparation:



1. In the **Open a preparation...** menu 

2. Find the required preparation in the **Search window**. To select, click on the button in the first column.
3. Click on **Choose**  to open.


To save the document of a preparation locally:

1. Once the preparation is opened, use the  menu > **Extract Document...**
2. The document is saved locally, under specified name and location.

To update the document of a preparation:

1. Once the preparation is opened, use the  menu > **Update Document...**
2. Select the document that is to replace the preparation's current document.
3. Menu  > **Save preparation**: the preparation document is updated.


To find where the preparation is used:

1. With the existing preparation open in the PLM Product window, click on **Where used** . The list of PLM products linked to this preparation appears.




Clicking on one of the PLM products in the list opens it in Product Developer.

To delete an illustration from a compartment:

1. In the **Illustrations Management** window, select the illustration to delete.
2. Click on **Delete the selection** .



To delete a compartment in the PLM Product window:


1. In the **Illustrations Management** window, select the compartment to delete.
2. Click on **Delete the selection** .

2.3 Using textile simulations in Illustrator / PLM Objects Panel

The **Textile Simulations** window gives access to the Print, Knit and Weave files in the Collection database.

To add compartments to the Textile Simulations window:

1. Click on  **Add a compartment** > choose the compartments that you want to add to the **Textile Simulations** window.
2. To open Print, Knit or Weave materials in the Collection database:
3. **Window > Lectra – Textile Simulations**: The **Textile Simulations** window opens.
4. Click on **Import**  to open the **Search window**.
5. Select a type of Material: a search module appears.

6. Tick the Materials you want and click on **Pick**  to put them in the **Textile Simulations** window. In this window you can drag-and-drop these Materials to assign them to your document.



If you want to use palette data instead of the image, hold down the **Shift** key at the same time as you drag-and-drop the illustrations.

7. You can then use the document Materials to fill in the compartments in **Illustrations Management**.

2.4 How to translate new fields in the AI module interface

Custom resource bundles/files can be added and loaded.

If they are in the correct directory, they will be loaded and will override the embedded ones.

1. In the current user extension directory, create the 'local' directory, info -> user extension directory:

Windows: D:\Users\User name\com.lectra.lectraextension\conf

Mac: /Users/ User name/com.lectra.lectraextension/conf

2. in the 'local' directory, create a directory named 'de_DE', 'en_US', 'es_ES', 'fr_FR', 'it_IT', 'ja_JP', 'ko_KO', 'zh_CN', 'zh_TW' - depending on which 'local' directory needs to be extended.
3. Copy the 'Lectra.properties' file from the local extension installation folder to the local user extension directory. This will display the following:

Info -> local extension installation folder:

Win CS6:

C:\Program Files (x86)\Common Files\Adobe\CS5ServiceManager\extensions\com.lectra.lectraextension\locale\fr_FR

Win CS5:

C:\Program Files(x86)\CommonFiles\Adobe\CS6ServiceManager\extensions\com.lectra.lectraextension\locale\fr_FR

Mac CS6:

/Library/ApplicationSupport/Adobe/CS6ServiceMananger/extension/com.lectra.lectraextension/locale/fr_FR

Mac CS5:

/Library/ApplicationSupport/Adobe/CS5ServiceMananger/extension/com.lectra.lectraextension/locale/fr_FR

4. In the local user extension directory, edit Lectra.properties.

Add new pairs (key, values).

Only one key/value pair per line.

Use '=' as a separator.

Use '#' to comment on a line.

Make sure you follow the correct syntax!

To remove custom resource bundles / files, just delete the 'local' directory in the user extension directory.

The key should have the same name as the sub-category.



The system is case-sensitive.



While editing 'Lectra.properties', DO NOT REMOVE ANY EXISTING PAIRS!

Only new ones should be added.

Each time sub-categories are added via PLM Manager, the 'Lectra.properties' file has to be updated.