LECTRA ENTERPRISE SOLUTIONS APPLICATION

Configuration Guide

Classification, Variation attributes, SKUs, Subsets, BOM

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Contents

1. CONVENTIONS

BOM = Bill of Material

PLM Manager = Administration and configuration software

2. PREREQUISITES FOR CONFIGURATION

Before the configuration, it is advisable to change the screens reloading frequency to optimize the PLM performances. This frequency is initially null (0).

The configuration will need many settings, and it will be more comfortable to set the reloading frequency in order to immediately see their consequences in the application.

The original parameters will have to be restored when the configuration is finished.

1. Open the Webclient.config file (C:\PLM-Fashion\PDM\LectraPLMParam) .
2. Look for the **file.resource.loader.modificationCheckInterval** variable. It is set on 0.
3. Change this value to 10 (the unit is the millisecond).
4. Then look for the **com.lectra.webtool.configcheckdelay** variable, which is set on -1.
5. Change this value to 10 (the unit is the millisecond).
6. Save the Webclient.config file.

3. VARIATION ATTRIBUTES

3.1 How to manage variation attributes and classification in the PLM?

Standard variation attributes are provided during the installation, and you can create your own attributes in this phase of implementation.

3.2 Which are the variation attributes installed in standard ?

When installing, the PLM offers a library of attributes from which you can choose **Master Attributes** or « simple » attributes for your products.

The standard « **Master Attributes** » are displayed in the **Master Attributes** menu which is always visible in the PLM.

The standard « **Master Attributes** » that can be used in the products' SKU and Subsets are:

- Marketing Color
- Sizes:
  - SizeRUn/FinalSize for Style products
  - Size for other Componants products (Materials, Trims, Packaging label)
- Supplier
- Channels

All products may vary according to the following simple attributes, which come standard:

- Season
- Brand
- Division
- Theme
- Business Category
- Gender
- Option

MASTER ATTRIBUTES	SIMPLE ATTRIBUTES	CATEGORIES	STATE IN STANDARD
Size		All	
Color		All	
Supplier		All	
Channels (NEW)		Style	Disabled
	Option	All	
	Season	All	
	Division	All	
	Brand	All	
	Theme	All	
	Business Category	Style	
	Gender	Style	

3.3 How to create a variation attribute?

To enrich and customize the classification structure of your products (**Styles**, **Materials**, **Trims**, **Label – Packaging)**, you can create custom attributes.

Creating and declaring the value lists of your new variation attribute is done in the PLM Manager, in the “Classification” area.

1. Open the PLM Manager.
2. **Classification** > **Define Lookup Value.**
3. Click on **Add** in the **Lookup Values** tab: an empty name is added to the list.

4. Fill in the attribute name.

> **H**ow to organize the attributes?
>
> The **Move up** and **Move down** buttons allow you to organize the attributes' hierarchy, in the PLM
>
> Select an attribute.
>
> Click on **Move up** or **Move down** to move up or down the attributes in the list to the place you want them.

3.4 How to assign a variation attribute to a Product?

1. Once created, the variation attribute must be attached to a Product (**Styles**, **Materials**, **Trims** or **Label - Packaging**) in order to be used in the Product classification.
2. Open the PLM Manager.
3. **Classification** > **Affect Lookup Values**.
4. In the **Entities List** tab, position on the **Product** or on the subcategory Product (to do so, click on to expand the Product subcategories): in the **Selected Entity** tab, the list of the available attributes is displayed (**Available Lookup Values**) as well as the list of the attributes assigned to the selected Product (**Selected Values Lists**).
5. Once you have selected the available attributes, assign them to the selected **Product** by clicking on . In the same way, in the **Selected Values Lists** part, select the attributes you do not want to be assigned anymore to the current Product and click on . You can use the **Shift** key on the keyboard to select adjacent names or **Ctrl** to select non adjacent names.
6. To organize the attributes in the **Classification** part of the PLM **Description** window, select an attribute > Click on **Move up** or **Move down**.

> When you assign or delete attributes to a Product, you also impact the subcategories of this Product.
>
> When you assign or delete attributes to a subcategory, only this Product subcategory will be impacted

7. Any attribute assigned to a Product will be visible by default in the **Classification** part of the **Description** window as well as among the search criteria of the Search window. If you want a customized display for this attribute, you need to intervene in the **ScreensCusto.xml** file.

3.5 How to make a variation attribute active in the Attributes branch?

For your new attribute can then be used in the SKUs, Assortments or as filter on the branches of a product, you need to declare it in the **Attribute** branch of this Product in the PLM Manager.

1. Open the PLM Manager.
2. **Data Configuration** > **Extend Data Model**.
3. Expand (by clicking on) the Product for which you want to make an attribute active.
4. Right-click on **Attributes** and select **Add an Attribute**.
5. In the **Attributes** field, select the variation attribute you want to activate.
6. Click on **Save**. After a few seconds, the selected attribut is added to the list of Attributes

7. Click on **Save**.

> Uncheck the **Enable** box if you want this attribute to be no longer active in the PLM

8. Click on **Apply**.
9. Type **http://Server Name /pdm/admin.SessionMonitor.reloadConfig.wbx** in your browser.

3.6 How to save a new attributes configuration?

For the configuration to be visible, type in the following web address in a web browser.

http://Server Name /pdm/admin.SessionMonitor.reloadConfig.wbx

Enter this URL for the server to reload the configuration: it avoids restarting the server after each template modification.

3.7 How to add values to a simple variation attribute?

1. Open the PLM Manager.
2. **Classification** > **Define Lookup Value**.
3. In the left part, select an attribute.
4. In the right part, click on **Add**: an empty name is added to the values list.
5. Type the value.

> Values can also be filled directly in Product Development, in the **Pick** windows in **Edit** mode.

3.8 How to add fields to an attribute?

1. Open the PLM Manager.
2. **Data Configuration** > **Extend Data Model**.
3. Right-click on the attribute you want in the **Attributes** entry of your Product >
   - **Add custom field** for simple data (date, figures…)
   - **Add custom role** for more complex data (images, pdf files, Word document…)
4. Name the field.
5. Define its type.
6. Make it **Mandatory** if you want.
7. Click on **Save**.
8. For this configuration modification to be visible in the Product Development module, it is necessary to modify **ScreensCusto.xml**.
   See the **Lectra_Fashion_PLM_Screens-Configuration_Guide** for further details.

3.9 How to disable an attribute?

If you do not want an attribute to be displayed anymore in the PLM, you can disable it. In this way, there is no data loss, and if you want eventually to display this attribute again, you will retrieve all the data.

1. Open the PLM Manager.
2. **Data Configuration** > **Extend Data Model**.
3. Expand (by clicking on) the Product list to which the attribute is assigned.
4. Expand (by clicking on) the attributes assigned to the Product.
5. Select the attribute to be disabled.
6. Uncheck the **Enable** box.
7. Click **Save** to save this field.
8. Click on **Apply**.
9. Type **http://Server Name /pdm/admin.SessionMonitor.reloadConfig.wbx** in your browser.

4. SUBSETS

The attributes used in a Subset must be active for the Product to which this Subset is assigned.

4.1 Which are the 2 Subset types?

- Subset **With Process**: associated with development process.
- Subset **Without Process**: not associated with a process of product development.
- Subset **Color Plan** : generated after the deployment of slot breakdowns in the Collection Plan. It has the marketing color as a variation attribute and inherits planification data.

4.2 What are the subset configurations delivered and installed in Standard?

The following subset configurations are delivered when installing PLM:

NAME	ATTRIBUTES	CATEGORY	INSTALLED	WM CONFIGURATION	ROLE
Assortment_Style	Size/Color	Style	yes	Without Process	This matrix allows to define either the percentage or the quantity (by size, by color) per article. For instance it allows to define the content of the boxes to be delivered to the retail store.
Color Plan	Marketing Color	Style		With Process	
ColorsList	Color		no		
Deliveries	Color /Supplier		no	With Process	Development tracking of a set of colorways with one or more suppliers. The matrix gives the quantity ordered from each supplier as well as other information that can be configured.
Orders	Size/Color		no	With Process	Order tracking. This matrix gives information on quantities.

Orders_Style	Size/Color	Style	no	With Process	Order tracking. This matrix gives information on quantities.

4.3 How to create a new subset configuration?

A subset configuration created in the PLM Manager on the server cannot be deleted. It can however be disabled. It will not be displayed anymore in any Product.

1. Open the PLM Manager.
2. **Data Configuration** > **Extend Data Model** > Right-click on **Subset** > **Create a configuration**.
3. Name the subset configuration.
4. Select the associated **Process Configuration**.
5. In the **Unselected Attributes** window, select the attributes you want, then assign them to your subset configuration by clicking on .
6. Save this modification with **Save**.
7. In the **Data Model** tab, click on **Apply** to save the configuration subsets on the server and therefore be able to associate them with a Product.

The number of attributes that can be assigned to assortment subset configuration is not limited but too many attributes reduces the tables readability.

As long as you only have two attributes defined per subset, you can choose a matrix display or a table display. When you have more than two attributes per subset, only the table display is available

4.4 How to add fields to assortment subset configuration?

In addition to attributes, you can display any type of information in the **Details** tab of the subset.

1. Open the PLM Manager.
2. **Data Configuration** > **Extend Data Model** > Expand **Subset** > Right-click on the subset to which you want to add information.>
   - **Add custom field** for simple data (date, figures…)
   - **Add custom role** for more complex data (images, pdf files, Word document…)
3. Name the field and define its **Type**.
4. Make it **Mandatory** if you want.
5. Click **Save**.
6. For this configuration modification to be visible in the PLM, it is necessary to modify **ScreensCusto.xml**.
   See the **Lectra_Fashion_PLM_Screens-Configuration_Guide** for further details.

4.5 How to add fields to the subset matrix?

In the subset matrix, you can set the number and the type of data to be displayed.

1. In the PLM Manager, **Data Configuration** > **Extend Data Model** > Expand **Subset** > Expand the assortment you want > Expand **partitionDetails** > Right-click on **Add custom field**.
2. Name the field and define its type.
3. Make it **Mandatory** if you want.
4. Click **Save**.
5. For this configuration modification to be visible in the PLM, it is necessary to modify **ScreensCusto.xml**.
   See the **Lectra_Fashion_PLM_Screens-Configuration_Guide** for further details.

4.6 How to assign assortment subset configuration to a Product?

1. In the PLM Manager, **Data Configuration** > **Extend Data Model** > Expand the Product you want > Click on **Subsets**.
2. In the **Unselected Subsets** part of the **New Subset Definition** tab, select the subsets to be associated with the Product, then assign them to your Product by clicking on .
3. Click **Save**.
4. Type **http://Server Name/pdm/admin.SessionMonitor.reloadConfig.wbx** in your browser.

4.7 How to duplicate an subset configuration?

You can retrieve an existing subset's configuration by duplicating it. You can then add the modifications you want.

1. Open the PLM Manager.
2. **Data Configuration** > **Extend Data Model** > Expand **Subset** > Right-click on the subset to be duplicated > **Duplicate the Configuration**.
3. Name this new subset type.
4. Click **Save**.
5. Click on this new subset configuration that has been displayed in the subset configuration list. It can be customized before being saved..
6. This new subset can be modified until you save it on the server by clicking on **Apply**.

4.8 How to disable a subsetconfiguration?

A subsetconfiguration created on the server cannot be deleted. It can however be disabled. It will not be displayed anymore in any Product.

When you reactivate it you will retrieve all the information that was associated with it.

1. Open the PLM Manager.
2. **Data Configuration** > **Extend Data Model** > Expand **Subset** > Click on the subset to be disabled.
3. Uncheck the **Enable** box.

4. Click **Save**.

5. SKU

5.1 What are the SKUs configurations delivered in standard?

When installing, the following SKUs configurations will be available:

NAME	ATTRIBUTES	CATEGORY	ROLE
ColorApproval	Color/Supplier	All categories	Approval tracking of the colorways with the suppliers.
Color Plan	Marketing Color	Style	
ComponentSeasonalPrice	Color/Supplier/Season		Price per colorway and per supplier. As prices vary by season, this attribute is discriminating.
StyleSeasonalPrice	Color/Size/Supplier/Season		Price per colorway and per size.
StylePrice	Color/Size/Supplier		Price per colorway, size and supplier.
Articles	Color/Size	Style	Tracking of the article sold to the store. This may concern the estimated quantities, sales…
Sales	Size/Color/Channel/DistributionArea/Sales period		Tracking of the article per channel, selling area and period. The tracking may concern the quantities planned and actually sold, or any other information relating to these criteria for analysis.

5.2 Which SKUs configurations are assigned by default to the Products?

By default, the **ColorApproval** SKUs configuration is assigned to all the types of Products and is defined in the PLM Manager as the SKU configuration to be used for the **Transfer** and **Price Recovery/SKU Generation from the BOM**.

The **Articles** SKUs configuration is by default attached to each Style created.

5.3 How to create a SKUs configuration?

1. Open the PLM Manager.
2. **Data Configuration** > **Extend Data Model** > Right-click on **SKU** > **Create a Configuration**.
3. Name the SKUs configuration.
4. In the **Unselected Attributes** window, select the attributes you want, then assign them to your SKUs configuration by clicking on .
5. Click **Save**.

6. In the **Data Model** tab, click on **Apply** to save the SKUs configurations on the server and thus be able to associate them with a Product.

The attributes selected for the SKUs configuration must be used by the Product in the « Attributes » branch.

5.4 How to assign a SKUs configuration to a Product?

1. In the PLM Manager, **Data Configuration** > **Extend Data Model** > Expand the Product you want > **skus**.
2. In the **Unselected SKUs** area of the **New SKU definition** tab, select the SKUs configurations to be attached to the Product, then assign them to your Product by clicking on .
3. Click **Save**.
4. Type http://Server Name//pdm/admin.SessionMonitor.reloadConfig.wbx in your browser.

5.5 How to add custom fields to a SKUs configuration?

In addition to attributes, you can display in a SKUs configuration any type of information.

1. Open the PLM Manager.
2. **Data Configuration** > **Extend Data Model** > Expand **SKU** > Right-click on the SKUs configuration to which you want to add information.>
   - **Add custom field** for simple data (date, figures…)
   - **Add custom role** for more complex data (images, pdf files, Word document…)
3. Name the field.
4. Define its **Type**.
5. Make it **Mandatory** if you want.
6. Click **Save**.
7. For this configuration modification to be visible in the PLM, it is necessary to modify **Lectra.PDM.SKU.xml**.
   See the **Lectra_Fashion_PLM_Screens-Configuration_Guide** for further details.

5.6 How to duplicate a SKUs configuration ?

You can retrieve an existing SKUs's configuration by duplicating it. You can then add the modifications you want.

1. Open the PLM Manager.
2. **Data Configuration** > **Extend Data Model** > Expand **SKU** > Right-click ont the SKUs configuration to be duplicated > **Duplicate the Configuration**.
3. Name this new SKUs configuration.
4. Click **Save**.

5. Click on this new SKUs configuration that has been displayed in SKUs configuration list. It can be customized before being saved.
6. This new SKUs configuration can be modified until you save it on the server by clicking on **Apply**.

5.7 How to disable a SKUs configuration?

A SKUs configuration created on the server cannot be deleted. It can however be disabled. It will not be displayed anymore in any Product.

When you reactivate it you will retrieve all the information that was associated with it.

1. Open the PLM Manager.
2. **Data Configuration** > **Extend Data Model** > Expand **SKU** > Click on the SKUs configuration to be disabled.
3. Uncheck the **Enable** box.
4. Click **Save**.

5.8 How to hide some SKU fieds?

You may intervene in the **Lectra.PDM.SKU.xm** file to hide some fields for all users.

6. BOM

6.1 How to configure BOM tables?

In Standard V4, BOM has no table configured. You can configure your BOM (Bill Of Material) as you want. But in order to work with the BOM, you will have to configure your BOM tables in the PLM Manager first.

The **ScreensCusto.xml** file is pre-configured to be compatible with the addition of the 4 BOM tables (**Styles**, **Materials**, **Trims** and **Label - Packaging**). For any other configuration of the BOM, it will be necessary to modify the **ScreensCusto.xml** file.

1. Open the PLM Manager.
2. **Data Configuration** > **Extend Data Model**.
3. Expand the product type concerned by the BOM> **Specifications** > **CostingNG**.
4. Click on to add a BOM table.
5. Name it.
6. Select the Products to be displayed in this table. For this BOM, the types of Products you have choosen will be available in the PLM.
7. Click **Save**.
8. This new BOM table can be modified until you save it on the server by clicking on **Apply**.
9. For this configuration modification to be visible in the PLM, it is necessary to modify **ScreensCusto.xml**.
   See the **Lectra_Fashion_PLM_Screens-Configuration_Guide** for further details.

The same name must be used for the table declaration in the PLM Manager and in the **ScreensCusto.xml** file

10. Type **http://Name /pdm/admin.SessionMonitor.reloadConfig.wbx** in your browser.

6.2 How to modify BOM tables?

To display additional columns in a BOM table, you need to intervene in the PLM Manager and then declare these modifications in the **ScreensCusto.xml** file.

To hide columns, you just need to declare it in the **ScreensCusto.xml** file. See the **Lectra_Fashion_PLM_Screens-Configuration_Guide** for further details.

6.3 How to define a SKUs configuration in a BOM?

Once the SKU configuration is created, you can define it as beeing the one used by a BOM.

1. Open the PLM Manager.
2. **Data Configuration** > **Define BOM /Components Synchronization**.
3. In the Generation/Getting Price From column, indicate the SKU type to be used for the approval and price tracking for each Product category that is being used as component in a BOM.
4. In the **Cost Transfer** column, indicate the SKU type to be used to transfer the calculated cost from a BOM instance of the category.
5. Click **Save**.
6. Type **http://Server Name /pdm/admin.SessionMonitor.reloadConfig.wbx** in your browser.

The SKU configuration you choose in one of the two columns is automatically reported in the other column if the latter is not been already filled

6.4 How to configure the Color Combo Mode ?

Two modes are available:

- Automatic Requested Color
- Automatic Proposed Color

By default, the system will be configured with the mode "**Automatic Requested Color"**.

You have the choice between these two modes to associate automatically your breakdown colors with the pick of the component in the BOM.

In the BOM, there are two columns defined per colorway to define the componant's corresponding color:

- The **Requested Color** column that enables to select a color in the palette or in the marketing colors library.
- The **Proposed Color** column that enables to select a componant's color.

Two automatic operating rules have been defined to avoid defining these colors systematically and to take into account the various customer usage:

- Automatic Requested Color :

  In this mode, you find customers who only use the requested color (in this case, the suggested color column is hidden) or customers who accept to suggest a color different from the requested one (for some componants, it is better to take the color suggested than develop the real color).

  In this mode, the requested color for each component is initialized with the color of the product (tone on tone) and a "=" sign is displayed to signal an automatic tone on tone.

  The suggested color is initialized with the color of the product if it exists and automatically displays the "=" sign.

When the requested color is changed manually, the “=” signs disappear and the suggested color is aligned with the requested color. If the suggested color is modified manually, the requested and suggested colors may be different.

- **Automatic Proposed Color**:

  When in this mode, only the real color of the componants is being taken care of, and the requested color may be hidden.

  When you pick a component in your BOM:

  – If the requested color exists in the component, the **suggested color** will be this color, and the sign "=" is diplayed.

  – If the style color does not exist in the component, the **suggested color** will be the component default color, and the sign"=" is not diplayed.

    Any change done on the suggested color is automatically transferred on the requested color.

When in this mode, only the real color of the componants is being taken care of, and the requested color may be hidden

1. Open the PLM Manager > **Set-up** > **Options.**
2. Modify the **Color Combo Mode** field as desired.
3. Click **Save**.

7. RIGHTS

7.1 How to define rights to a group of users?

1. In the PLM Manager, **Security** > **Users** > **Add**.
2. Fill in the form then **Save**.
3. **Security** > **Groups** > Select a group (You can also **Add** it).
4. In the **Available Users** area, select those you want to assign to this group.
5. **Save**.
6. For this configuration modification to be visible in the PLM, it is necessary to modify **ScreensCusto.xml**.
   See **Lectra_Fashion_PLM_Screens-Configuration_Guide** for further details.
7. Type **http://Server Name /pdm/admin.SessionMonitor.reloadConfig.wbx** in your browser.

7.2 How to associate a group with a company?

1. In the PLM, **Main Attributes** > **Companies**.
2. Select a company > **Edit**.
3. Click on to select a **Users Group** to be associated with the company.
4. **Save**.
5. For this configuration modification to be visible in the PLM, it is necessary to modify **ScreensCusto.xml**.
   See the **Lectra_Fashion_PLM_Screens-Configuration_Guide** for further details.
6. Type **http://Server Name /pdm/admin.SessionMonitor.reloadConfig.wbx** in your browser.

8. MASS IMPORT

Several kinds of data can be mass imported into the PLM Manager:

- Application data and standard contents libraries
- Profiles, users, groups
- Search criteria

8.1 How to import/export standard contents libraries?

Standard content is provided with the PLM: color libraries, care label libraries, seam assembly libraries, points of measurement libraries, report templates…

1. Open the PLM Manager.
2. **Data** > **Load Standard Contents**.
3. Check the items you want to import.
4. Click on **Load Bundle**.
5. Validate your choice with **OK**.
6. An **Injection result** report is displayed.

8.2 How to import/export application data?

See the **Enterprise Application Configuration** document for further details on the customer's specific content.

- To export the sample Excel file:
  1. Open the PLM Manager.
  2. **Data** > **Load My Data**.
  3. Click on **Sample** to download a sample Excel file that can be edited.
  4. Select the location where you want to save the folder that contains the Excel file.
     It is automatically named **bundle_with_data**.
- To import this Excel folfer into the PLM:
  1. Click **Import an Excel Folder**.
  2. Select the **bundle_with_data** folder.
  3. Validate with **OK**.
  4. Right-click on its name and select **Load**.
  5. Validate with **OK**.
  6. An **Injection result** report is displayed.
- To edit this Excel file and define the applicative data, refer to the Enterprise Application Configuration document.

8.3 How to import/export profiles, users, groups?

See the **Enterprise User Profiles Configuration** document for further details on security rights and the creation/edition of profiles, users and groups.

- To export the Excel file:
    1. Open the PLM Manager.
    2. **Security** > **Create Excel Security Template File…**
    3. Select the location where you want to save the file.
       It is automatically named **Security TemplateFile.xlsx**.
- To import this Excel file into the PLM:
    1. **Security** > **Load Excel Security File**.
    2. Select it in your directory and click **Save**.
    3. An **Injection result** report is displayed.
       Note that is is also possible to export these injection results.
- To edit this Excel file, refer to the **Enterprise User Profiles Configuration** document.

8.4 How to import/export search criteria?

See the chapter “**Search Criteria**” below in this document for further details.

9. SEARCH CRITERIA

9.1 The data selection criteria can be defined in all the application search windows.

9.2 How to declare a search criterion ?

- To access the search criteria function:
  1. Open the PLM Manager.
  2. **Data Configuration > Define Search Criteria**.
- To retrieve the Excel file to edit search criteria:

The exported file is used to have a template file to inject.

  1. Click on **Export**: a window opens.
  2. Type a name for the file and select the location where you want to save it.
  3. Click on **Save**.
- To edit the exported Excel file:
  1. Open the exported file.
  2. Click on the **Search criteria** tab.

  Tab description:

COLUMNS	DESCRIPTION	NOTE
Entity Type	Nature of the object	
Entity Configuration	Detail of the nature of the search criterion	
Field Name	Criterion name	
Field Path	Technical identifier of the search criterion in the model	Example: • For a simple attribute: customFields.fieldname • For a master attribute: customRoles.criterionname
Field Description	Description of the search criterion	

COLUMNS	DESCRIPTION	NOTE
Field Type	Technical name of the entity to which the criterion points	Example : • For a simple attribute: core.customdefinitions.StringDef, core.customdefinitions.IntDef • For a master attribute: core.Property
Field Type Configuration (master criteria only)	Detail of the master attribute type	Only in the case of a master attribute
Field Type Multiplicity (master criteria only)	If the master attribute can have several values: true If the master attribute can only have a single value: false	Only in the case of a master attribute

Possible values for a simple attribute for the « **Field Type »** column:

VALUE	DESCRIPTION
core.customdefinitions.StringDef	Type of Attribute : character string (<255 characters)
core.customdefinitions.LongStringDef	Type of Attribute: long character string (<2000 characters)
core.customdefinitions.IntDef	Type of Attribute: numeric integer
core.customdefinitions.LongDef	Type of Attribute: long numeric integer
core.customdefinitions.BooleanDef	Type of Attribute: boolean
core.customdefinitions.DateDef	Type of Attribute: date
core.customdefinitions.FloatDef	Type of Attribute: decimal
core.customdefinitions.DoubleDef	Type of Attribute: long decimal

- To create a search criterion of simple type:

  1. Fill in the mandatory fields **Entity Type**, **Entity Configuration**, **Field Name**, **Field Path, Field Type.**
  2. If you want, fill in the optional field **Field Description**.

  Example: on a « style » Product, add a search criterion on a simple attribute « nameSimple » of type text <255 characters:

COLUMNS	VALUES
Entity Type	productmanagement.process.Product
Entity Configuration	Style
Field Name	nameSimple
Field Path	customFields.nameSimple
Field Description	A simple description
Field Type	core.customdefinitions.StringDef
Field Type Configuration (complex criteria only)	
Field Type Multiplicity (complex criteria only)	

- To create a master attribute:

  1. Fill in the mandatory fields **Entity Type**, **Entity Configuration**, **Field Name**, **Field Path, Field Type**.
  2. If you want, fill in the optional field **Field Description**.
  3. Fill in the mandatory fields for a master attribute **Field Type Configuration** and **Field Type Multiplicity**.

Example: on a « style » Product, add a search criterion on a master attribute « nameCplx » of type Country.

COLUMNS	VALUES
Entity Type	productmanagement.process.Product
Entity Configuration	Style
Field Name	nameCplx
Field Path	customRoles.nameCplx
Field Description	A description for a cplx
Field Type	core.Property
Field Type Configuration (complex criteria only)	process/Country
Field Type Multiplicity (complex criteria only)	false

- To apply the Excel file:
  1. Click on **Import**: an import file window opens.
  2. Indicate the path and the name of the import data file.
  3. Click on **Open.**
  4. A progress window opens: at the end of treatment, it closes and a new window opens, showing the file import status.
  5. Close the window: imported data is available in the PLM Manager.
- To schedule the criteria:

The scheduling is not supported yet by the Product Development module (it is supported in the Designer module).

1. Click on the line of the criterion to be scheduled (Simple or Advanced part)
2. Click on **Up**: the criterion is moved upwards.
3. Click on **Down**: the criterion is moved downwards.

Criteria in italics are inherited: they can be scheduled in one of the parents' attributes.

You can also move **Up** or move Down a criterion via the context menu (right-click on the line).

- To delete a criterion:
  1. Right-click on the criterion to be deleted.
  2. In the context menu, click on **Delete**.
  4. Confirm the deletion with **OK**.

Some criteria cannot be deleted:

Criteria in italics are inherited: they could be deleted in one of the parents' attributes.

Criteria in light grey are standard criteria and cannot be deleted

- To display the search criteria in the Product Development.

10. WHERE TO FIND THE DIFFERENT CONFIGURATION FILES?

Webclient.config (C:\PLM-Fashion\PDM\LectraPLMParam).

Messages_en.properties (C:\PLM-Fashion\PDM\LectraPLMParam).

11. MESSAGES TRANSLATION

11.1 How to translate the keys declared in the PLM?

1. In the PLM: **Administration** > **Internationalization**, then select in the list the key to be translated.

To help you identify the key, you can use the **Key <->Translation** function that displays, in the whole PLM, the keys instead of the corresponding interface messages.

Click again on this tool to go return to a normal display mode

2. Available translations for this key are displayed in the **Translation** area of this window.
3. You may modify or create this key's translations.
4. Click on **Empty Cache** to validate this translations.

You can also perform these translations directly in the C:\PLM-**Fashion\PDM\LectraPLMParam\messages.properties.txt** file and then validate them by selecting **Administration > Internationalization > Empty Cache**