

# System Configuration

## XSLT management



## Administration manual

### for system providers and tenants

12/17/2020

### Product line neo, version 6.x

The described functions can be used with the following ASC products:

EVOIPneo

EVOLUTIONneo / XXL / eco

EVOflex (country-specific)

Please note that you can always find the most up-to-date technical documentation and product updates in the partner area on our website at <http://www.asctechnologies.com>.

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## 1 General information

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## 2 Introduction

In the XSLT Management module, you can create [XSLT](#) mappings which are required to import configuration data. In addition, you can import, create, and edit [XSLT](#) files.

Since you are able to import configuration data from different sources and in different formats, you must create its own mapping for any combination of data type (*import object type*), import format, and source which must additionally contain the corresponding [XSLT](#) file. By means of the individual [XSLT](#) external data is mapped to the data structures of the [neo](#) system.

For some data types, ASC offers default [XSLT](#) files which you can use directly or as a template, see [chapter "Default XSLT files", p. 7](#).

Which data types you can import depends on whether you have logged in to the system as system provider or as tenant.



As **system provider** you can only import phone configurations, see administration manual for system providers *Import of phone configurations*.



As a **tenant** you can import different types of data. For more information refer to the administration manual for tenants *Import of configuration data*.



Basic information about using the application System Configuration can be found in the user manual for administrators *System Configuration - General information*.

### 3 Supported import formats

To map external data to the data structures of the *neo* system, you need [XSLT](#) files.

ASC provides different default [XSLT](#) files some of which you can use directly or otherwise as a template. These [XSLT](#) files can be found in the following directory:

- *C:\Program Files (x86)\ASC\ASC Product Suite\scripts\resources\XSLT*

Import formats for [XSLT](#) mapping files

| Import object types            | Possible import sources |     |      |     |      |         |
|--------------------------------|-------------------------|-----|------|-----|------|---------|
|                                | User                    | CSV | LDAP | XML | SFTP | Ext. DB |
| Employees of Tnt               | Tnt                     | X   | X    | X   | -    | -       |
| Employees of SP                | SP                      | X   | X    | X   | -    | -       |
| Organization structures        | Tnt                     | X   | X    | X   | -    | -       |
| Evaluation templates           | Tnt                     | -   | -    | X   | -    | -       |
| Evaluations                    | Tnt                     | -   | -    | X   | -    | -       |
| Call Director Customer Surveys | Tnt                     | -   | -    | X   | -    | -       |
| Phones                         | SP                      | X   | -    | X   | -    | -       |

| Import object types       | Possible import sources |     |      |     |      |         |
|---------------------------|-------------------------|-----|------|-----|------|---------|
|                           | User                    | CSV | LDAP | XML | SFTP | Ext. DB |
| Recording check mechanism | SP                      | -   | -    | -   | X    | X       |
| Recording check mechanism | Tnt                     | -   | -    | -   | X    | X       |



Upon request, ASC provides you with support in adjusting the [XSLT](#) templates or with additional [XSLT](#) files appropriate for your individual data structures.

To map external data to the data structures of the *neo* system, you need [XSLT](#) files.

ASC provides different default [XSLT](#) files some of which you can use directly or otherwise as a template. These [XSLT](#) files can be found in the following directory:

- *C:\Program Files (x86)\ASC\ASC Product Suite\scripts\resources\XSLT*

### XSLT files for the migration

#### XSLT files for the migration

- *AgentV10ToNeoXSLT.xslt*

Can be used for the import object type: *employees*

Purpose of use: import of agent data from a recording server version 10

- *UserV10ToNeoXSLT.xslt*

Can be used for the import object type: *employees*

Purpose of use: import of employee data from a recording server version 10

### XSLT files for the import of phone configurations

**NOTICE!** These XSLT files serve as an example only. They have to be adapted to the individual structure of the respective import file.

#### XSLT files for the import of phone configurations

**NOTICE!** These XSLT files serve as an example only. They have to be adapted to the individual structure of the respective import file.

- *PhoneCloneRegProb.xslt*

Can be used for the import object type: *phone*

Purpose of use: import of phone configurations from an XML file which only contains the mandatory fields for a phone configuration.

- *PhoneSimple.xslt*

Can be used for the import object type: *phone*

Purpose of use: import of phone configurations from an CSV file which only contains the mandatory fields for a phone configuration.

- *IPPhoneWithPhoneNumberInsteadOfExtension.xslt*

Can be used for the import object type: *phone*

Purpose of use: import of phone configurations from an XML file which in addition to the mandatory fields for a phone configuration contains information for the IP phones.

### Additional XSLT files

- *Identity.xslt*

Can be used for all import object types

Purpose of use: import of data which do not require a conversion

- *Call\_Director\_CUSTOMCP01.xslt*

Can be used for the import object type: *Call Director customer survey*

Purpose of use: import of results of Call Director customer surveys

**NOTICE!** This XSLT file serves as a template example only. It has to be adjusted individually for each Call Director customer survey, see [chapter "Call Director customer surveys", p. 8](#).

- *XSLTForLDAP\_ActiveDirectory.xslt*

Can be used for the import object type: *employees*

Purpose of use: import of employee data from an Active Directory via LDAP

**NOTICE!** This XSLT file serves as a template example only. It has to be adjusted to meet the customer-specific structure of the Active Directory.

- *XSLTForLDAP\_ActiveDirectory\_Orga\_Unit.xslt*

Can be used for the import object type: *organization structures*

Purpose of use: import of organization structures from an Active Directory via [LDAP](#)

**NOTICE!** This XSLT file serves as a template example only. It has to be adjusted to meet the customer-specific structure of the Active Directory.



Upon request, ASC provides you with support in adjusting the [XSLT](#) templates or with additional [XSLT](#) files appropriate for your individual data structures.

#### 4.1 Call Director customer surveys

To be able to assess the results of a Call Director customer survey in the application INSPIRATION<sub>neo</sub>, these results have to be imported from the Unify Call Director software into the recording system. For this import, you have to use an adjusted default XSLT file:

1. Create a copy of the default XSLT file *Call\_Director\_CUSTOMCP01.xslt*.  
This file can be found in the directory *C:\Program Files (x86)\ASC\ASC Product Suite\scripts\resources\XSLT*.
2. In the copied file, in the parameter *CustomParameter*, replace the preset additional data type [ID CUSTOMCP01](#) with the [ID](#) of the additional data type that the call ID is saved in.  
**NOTICE!** Your system provider will provide you with the information which additional data type ID you have to enter.
3. Create an XSLT mapping for the import of the results of Call Director customer surveys and map the adjusted XSLT file to this XSLT mapping.



## 5

## Main view

1. Open the application System Configuration.
2. Log in as system administrator.
3. Select the menu item *More > XSLT Management* in the navigation bar.

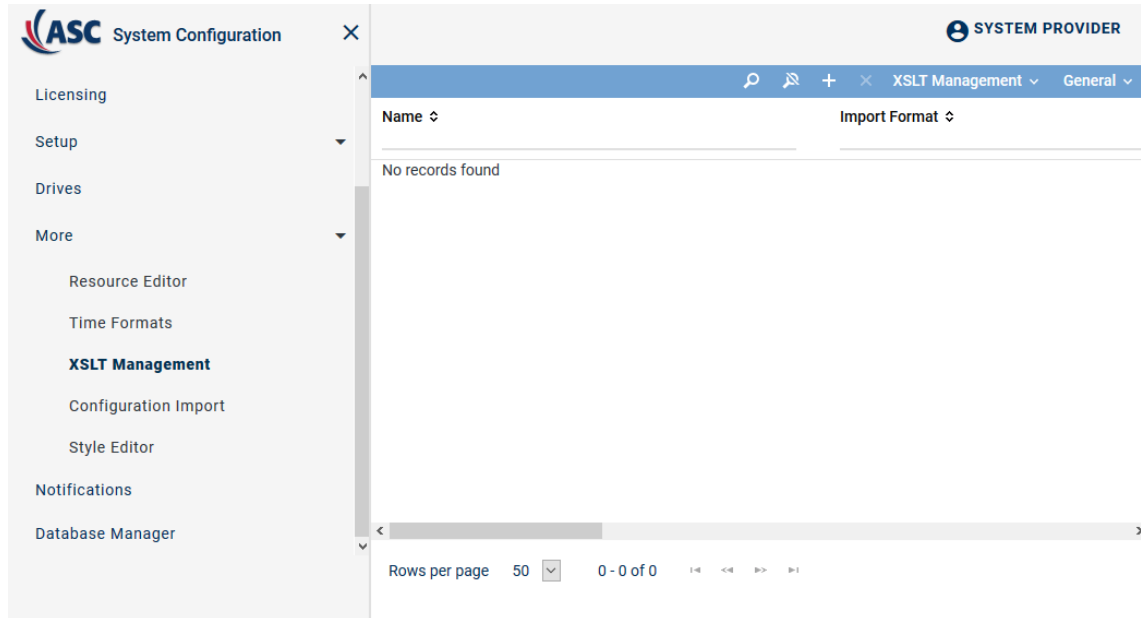


Fig. 1: Main view

Depending on the configuration of the columns, the following information is displayed in the main view:

|                           |   |
|---------------------------|---|
| <i>Name</i>               | Name which has been selected for the <b>XSLT</b> mapping.   |
| <i>Import Format</i>      | Import format that the <b>XSLT</b> mapping can be used for.   |
| <i>Import Object Type</i> | Data type that the <b>XSLT</b> mapping can be used for.   |
| <i>Editable</i>           | Shows whether the <b>XSLT</b> mapping can be edited. As long as an <b>XSLT</b> mapping is used in an import configuration, you cannot change it.<br>✓ = <b>XSLT</b> mapping can be edited.<br>✗ = <b>XSLT</b> mapping cannot be edited. |
| <i>Description</i>        | Optional description of the <b>XSLT</b> mapping.  |
| <i>Creator</i>            | Name of the user who has created the <b>XSLT</b> mapping.   |
| <i>Creation Date</i>      | Date on which the <b>XSLT</b> mapping was created.  |
| <i>Updated</i>            | Date on which the <b>XSLT</b> mapping was updated for the last time.  |

In the main view, all saved **XSLT** mappings are displayed.

| + × XSLT Management ▾ General |                 |
|-------------------------------|-----------------|
| Name ▲                        | Import Format ⇅ |
| CSV file                      | CSV file        |
| LDAP                          | LDAP            |
| SfB                           | DATABASE        |
| SFTP Cisco                    | SFTP data       |
| XML                           | XML file        |

Fig. 2: Formats for XSLT mapping files

### 5.1 Toolbar XSLT Management module

The toolbar offers the following functions.

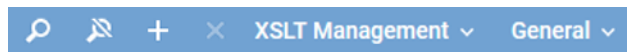








Fig. 3: Toolbar

|   |                         |  |
|---|-------------------------|--|
|   | <i>Search</i>           | Opens the window of the search function. The search function allows searching systematically for sets of data which meet certain criteria, see <a href="#">chapter "Search", p. 10</a> .   |
|  |                         | The icon  is displayed whenever the search has been adjusted by means of a filter.  |
|  | <i>Reset Search</i>     | Resets all manually entered search criteria.   |
|  | <i>Create New</i>       | Creates a new XSLT mapping. You can enter the data in the tab Details, see <a href="#">chapter "Create XSLT mapping", p. 15</a> .  |
|   | <i>Create Clone</i>     | Creates a clone of an existing XSLT mapping file.  |
|  | <i>Delete</i>           | Deletes the selected XSLT mapping file. The XSLT mapping file is removed from the list in the main view.   |
| XSLT mapping  | <i>Export XSLT file</i> | Opens a window in which you can select the storage location for the file to be exported, see <a href="#">chapter "Export XSLT file", p. 16</a> .   |
| General   | <i>Adjust Table</i>     | Opens a window where you can adjust the following settings for the main view: <ul style="list-style-type: none"> <li>• Displayed information</li> <li>• Order of the displayed columns.</li> <li>• Number of rows per page.</li> </ul> |
|   | <i>General Help</i>     | Opens the online help.   |
|   | <i>Module Help</i>      | Opens the module-specific online help.   |

#### 5.1.1 Search

The search function allows searching systematically for sets of data which meet certain criteria.






1. In the toolbar, click on the icon  or  (*Search*).  
⇒ The window *Search Criteria* appears.



Fig. 4: Window Search Criteria (example)

2. Set the respective search criteria.  
**NOTICE!** It depends on the respective module which search criteria are available.
3. To start the search, click on the button *Search*.  
To reset all manually entered search criteria, click on the button *Reset*.  
⇒ After running the search, only those sets of data are displayed in the main view which meet the set search criteria.
4. To display all original sets of data in the main view again, i. e. to reset the manually entered search criteria, click on the icon  (*Reset search*) in the toolbar.

By clicking on the button *Manage Searches*, you can save the defined search criteria under an unambiguous name, load saved search criteria or delete them.

By clicking on the icon , you can tag the search criterion as favorite. Criteria tagged as favorite are displayed additionally in the upper area of the window *Search Criteria* and marked with the icon .



A detailed description of the search function can be found in the user manual *System Configuration - General information*.

## 6

## Detail view

The detail view contains information about the selected [XSLT](#) mapping.

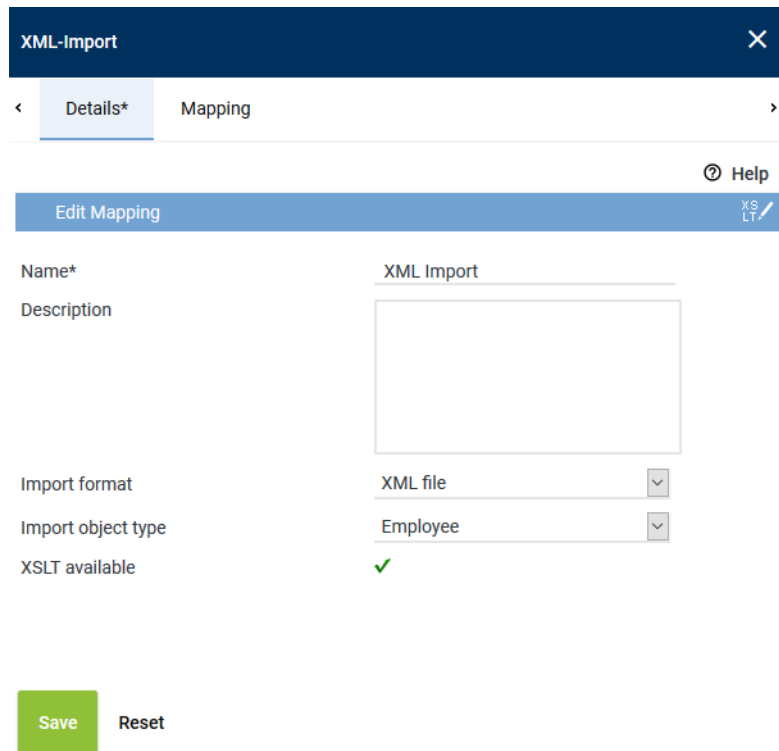


Fig. 5: Detail view

The detail view consists of the following tabs:

- *Details*  
Here, you can display and edit the configuration of the selected [XSLT](#) mapping.  
See [chapter "Tab Details", p. 12](#).
- *Mapping*  
Here, you can see in which import configurations the [XSLT](#) mapping is used.  
See [chapter "Tab Mapping", p. 13](#).

## 6.1

## Tab Details

Here, you can display and edit the selected XSLT mapping.



You can only edit an XSLT mapping if it is not used in any import configuration, see [chapter "Tab Mapping", p. 13](#).

XML-Import

Details\*
Mapping

Help

Edit Mapping

Name\*
XML Import

Description


Import format
XML file

Import object type
Employee

XSLT available

Save
Reset

Fig. 6: Tab Details

|   |  |
|---|--|
| <i>Name</i>   | Name displayed for the XSLT mapping.   |
| <i>Description</i>  | Optional description of the <a href="#">XSLT</a> mapping.  |
| <i>Import format</i>  | Import format that the <a href="#">XSLT</a> mapping is supposed to be used for.<br>Select the import format from the drop-down list.   |
| <i>Import object type</i>   | Data type that the <a href="#">XSLT</a> mapping is supposed to be used for.<br>Select the import object type from the drop-down list.  |
| <i>XSLT available</i>   | Displays whether the selected <a href="#">XSLT</a> mapping already contains an <a href="#">XSLT</a> file.<br><input checked="" type="checkbox"/> = Contains an <a href="#">XSLT</a> file<br><input type="checkbox"/> = Does not contain an <a href="#">XSLT</a> file |
|  | Opens a window in which you can load, create or edit an <a href="#">XSLT</a> file, see <a href="#">chapter "XSLT Editor", p. 18</a> .  |

## 6.2

### Tab Mapping

Here, you can see in which import configurations the XSLT mapping is used.

Details
Mapping

Name of the Import Configuration

XML Import

Save
Reset

Fig. 7: Tab Mapping




---


As long as an XSLT mapping is used in an import configuration, you can neither delete or edit it.

---

## 7 Create XSLT mapping


1. Click on the icon  (*Create*) in the toolbar of the main view.
2. Select one of the following options:

|                     |   |
|---------------------|---|
| <i>Create New</i>   | A completely new <a href="#">XSLT</a> mapping is created.   |
| <i>Create Clone</i> | The selected <a href="#">XSLT</a> mapping serves as copy template for a <a href="#">XSLT</a> mapping.<br>The option is only displayed if there are already <a href="#">XSLT</a> mappings. |

3. Adjust all required settings in the tab Details, see [chapter "Tab Details", p. 12](#).
  4. Click on the icon  (*XSLT Editor*) in the toolbar of the main view or in the detail view.
  5. Create or import an [XSLT](#) file, see [chapter "XSLT Editor", p. 18](#).
  6. In the [XSLT](#) Editor, click on the button *Save* to buffer the [XSLT](#) mapping and to close the [XSLT](#) Editor.
  7. In the detail view, click on the button *Save* to save the XSLT mapping.
- ⇒ The [XSLT](#) mapping can be used for the selected import object type in the selected import format.

## 8

## Export XSLT file

1. To export the XSLT file contained in an XSLT mapping, click on the icon  (*Export XSLT file*) in the toolbar.

⇒ The following window appears:

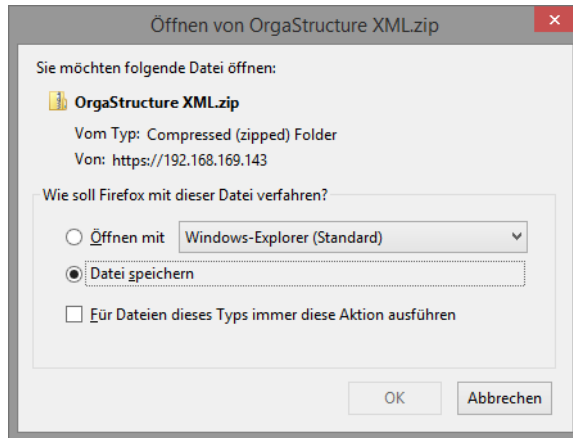



Fig. 8: Export XSLT file

2. To save the XSLT file and open it directly, select the option *Open with*.  
To save the XSLT file, select the option *Save file*.
3. Click on the button *OK*.  
⇒ The file is opened or saved in the local download directory.



## 9

## Edit XSLT file

1. In the main view, select the [XSLT](#) mapping the [XSLT](#) file of which you would like to edit.
2. In the toolbar of the main view or in the tab *Details*, click on the icon  (*XSLT Editor*).  
⇒ The [XSLT](#) file is opened in the [XSLT](#) Editor, see [chapter "XSLT Editor"](#), p. 18.
3. Make the necessary changes.  
**NOTICE!** After editing a target element, always click on the button *Apply* to apply the changes you have made.
4. To buffer all changes and close the [XSLT](#) Editor, click on the button *Save*.  
To discard the changes and close the [XSLT](#) Editor, click on the button *Cancel*.
5. To conclusively save the all changes, click on the button *Save* in the detail view of the [XSLT](#) mapping.

10 XSLT Editor

The XSLT Editor allows you to import, edit or create an XSLT file. In the window title of the XSLT Editor, you see the import type of the mapping and the XSLT file it is based on.

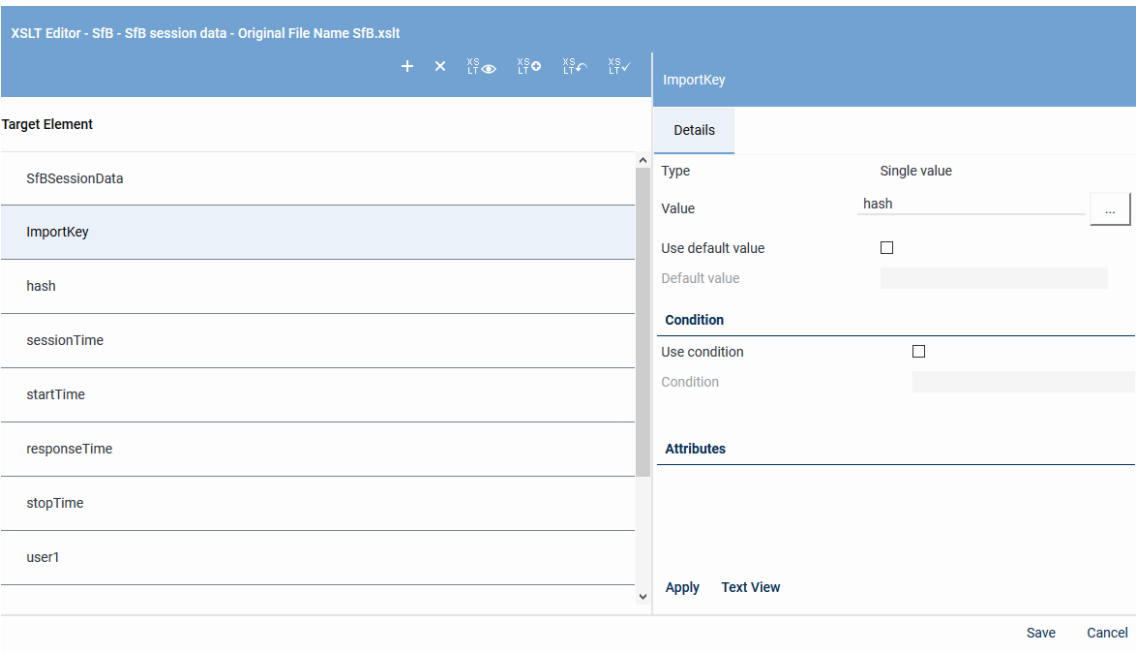




Fig. 9: XSLT Editor







|   |                             |  |
|---|-----------------------------|--|
| 1 | List of the target elements | Displays all elements defined in the XSLT file as target elements in the <i>neo</i> system.<br><b>NOTICE!</b> By clicking on the icon  or on  in front of an element, you can show or hide the sub-elements of this element. |
| 2 | Toolbar                     | Contains different functions for editing the XSLT file, see Toolbar XSLT Editor.   |
| 3 | Element details             | Displays all values and settings of the selected target element.<br>It depends on the selected element which element details are displayed.<br>Via the button <i>Text View / Dialog View</i> you can display the element details either in text format or in a dialog format.  |
| 4 | Apply                       | The current settings are checked for their validity and are buffered. If you close the XSLT Editor via the button <i>Cancel</i> , the buffered changes are discarded.  |
| 5 | Text View                   | Switches the view of the element details so that the definition of the selected element is displayed in an XML structure. The definition of the element is displayed in the window of a text editor which allows editing it, see chapter "Element details in text format", p. 24.  |
|   | Dialog view                 | Switches the view of the element details so that the definition of the selected element is displayed in a view with dialog elements. The element details can be edited directly via the dialog elements, see chapter "Element details in dialog format", p. 19<br><b>NOTICE!</b> This display format is not supported for all XSLT structures.   |
| 6 | Save                        | Saves the current settings in a buffer and closes the XSLT Editor.<br><b>NOTICE!</b> The current settings are not saved in the XSLT file before you conclude the process by clicking on the button <i>Save</i> in the detail view.   |
| 7 | Cancel                      | Closes the XSLT Editor without saving the changes. Even changes which have been buffered by clicking on the button <i>Apply</i> are discarded.   |

10.1 **Toolbar XSLT Editor**

The toolbar offers the following functions.



Fig. 10: XSLT Editor - toolbar

|   |                           |   |
|---|---------------------------|---|
|  | Create                    | Opens a window in which you can add a target element to the <a href="#">XSLT</a> file.  |
|  | Delete                    | Deletes the selected target element from the list and thus from the <a href="#">XSLT</a> file.  |
|  | Display XSLT file as text | Opens a window in the text editor in which the entire <a href="#">XSLT</a> file in its <a href="#">XML</a> structure is displayed and can be edited.                |
|  | Create new empty mapping  | Creates an <a href="#">XSLT</a> file if no file exists yet or replaces the selected <a href="#">XSLT</a> file with the new one upon confirming the security prompt. |
|  | Import XSLT file          | Opens a dialog by means of which you can import an <a href="#">XSLT</a> file, see Import XSLT file.   |
|  | Mapping tester            | Opens a dialog in which you can enter the demo data to check whether the mapping fits the current mapping.  |

10.2 **Element details in dialog format**

In this view, the definition of the selected target element is displayed in a dialog. Depending on the selected target element, there are different options to edit the element details.

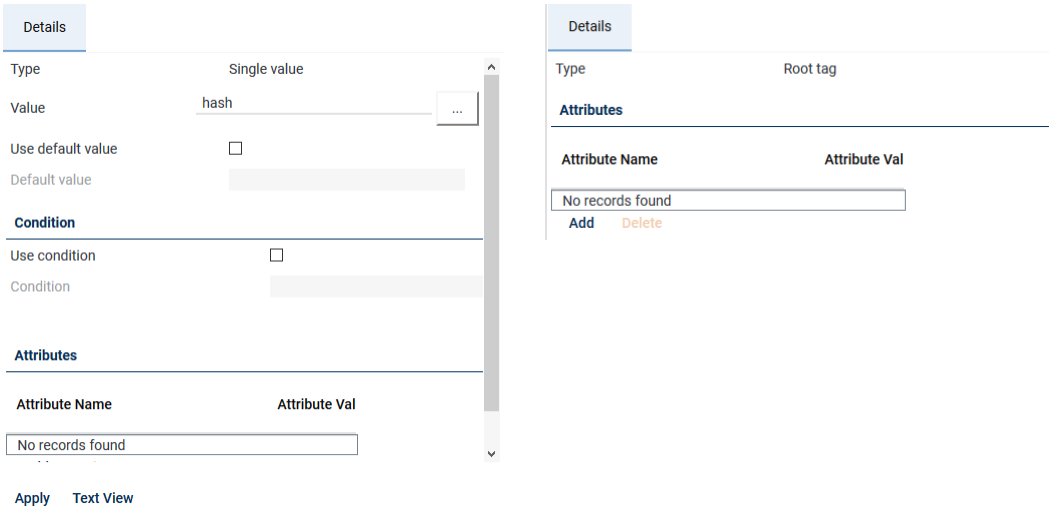




Fig. 11: Element details in dialog format (examples)

|             |   |
|-------------|---|
| <b>Type</b> | Shows the type of the selected target element.<br>It depends on the type of the element which options to edit the element are displayed. <ul style="list-style-type: none"><li>Single value<br/>Any <a href="#">XML</a> tag or <a href="#">LDAP</a> attribute can be mapped only once to this element type. This means that you can map only 1 value to this element type. In addition, you can define default values, conditions, and attributes.</li><li>Multiple value</li></ul> |
|-------------|---|

|                          |  |
|--------------------------|--|
|                          | <p>The same <a href="#">XML</a> tag or <a href="#">LDAP</a> attribute can be mapped several times to this element type. That way, this element type can receive several values. In addition, you can define default values, conditions, and attributes.</p> <ul style="list-style-type: none"> <li>• Container<br/>You cannot map values to this element type.<br/>For this element type, you can only define conditions and attributes.</li> <li>• Root tag<br/>For this element type, you can only define attributes.</li> <li>• Unknown<br/>This element type has an unknown structure. Target elements of this type can only be edited in text view.</li> </ul>  |
| <i>Value</i>             | <p>Enter the field of the import file from which the value for the target element is supposed to be read out.</p> <p>Depending on the type of the import source, you have to enter the following information:</p> <ul style="list-style-type: none"> <li>• <a href="#">XML</a> file: tag name</li> <li>• <a href="#">CSV</a> file: column title</li> <li>• <a href="#">LDAP</a> source: LDAP attribute name</li> </ul> <p>You can enter the value into the entry field via the keyboard or click on the button  to load a list of possible values from which you can subsequently select a value for the target element, see <a href="#">chapter "Load value", p. 20</a>.</p> |
| <i>Use default value</i> | <p><input checked="" type="checkbox"/> = The value entered in the field <i>Default value</i> is used.</p> <p><input type="checkbox"/> = The value entered in the field <i>Default value</i> is ignored.</p>  |
| <i>Default value</i>     | <p>Value which is entered in the target element if no or an invalid entry is applied in the field <i>Value</i> during the import.</p>  |

### 10.2.1 Load value

You can upload a text file with source attributes (field name from the import file) and apply a field name from this list in the entry field *Value*.

1. Click on the button  on the right of the entry field *Value*.  
⇒ The following window appears:

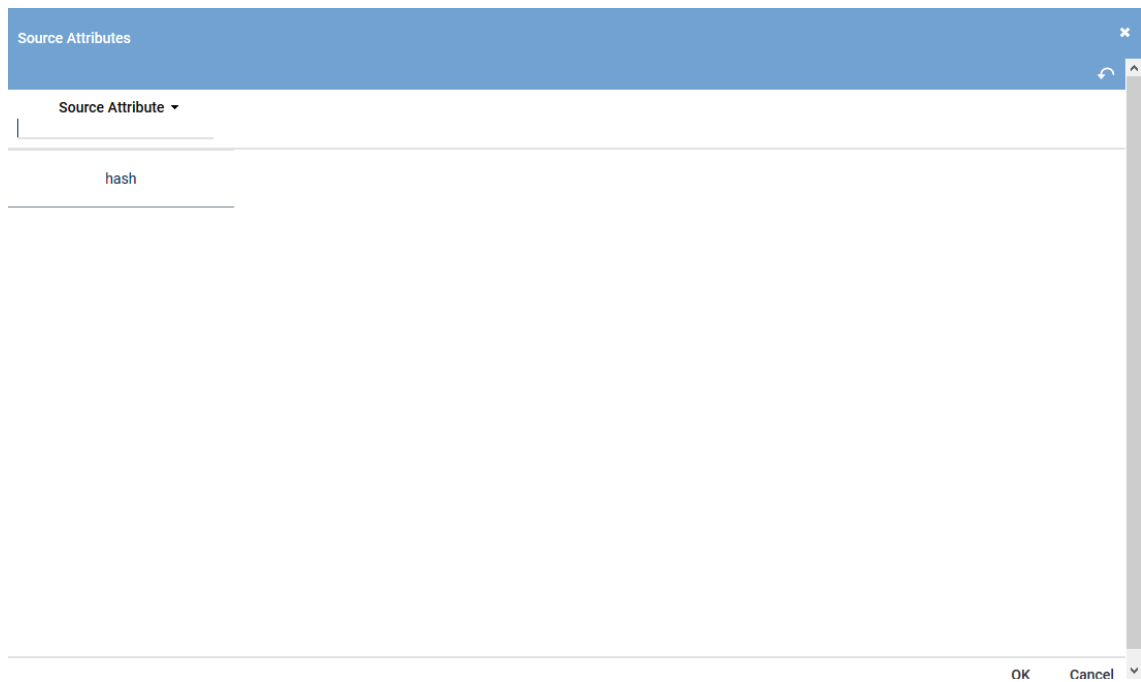




Fig. 12: Source attributes

2. Select a source attribute from the displayed list.
3. Click on the button *OK* to apply the selected source attribute in the entry field *Value* and close the window.  
To close the window without applying a source attribute, click on the button *Cancel* or on the icon  in the top right corner of the window.

#### 10.2.1.1 Import source attributes

1. If no source attributes are displayed, click on the icon  (*Import source attribute*) to import a file which contains appropriate source attributes.

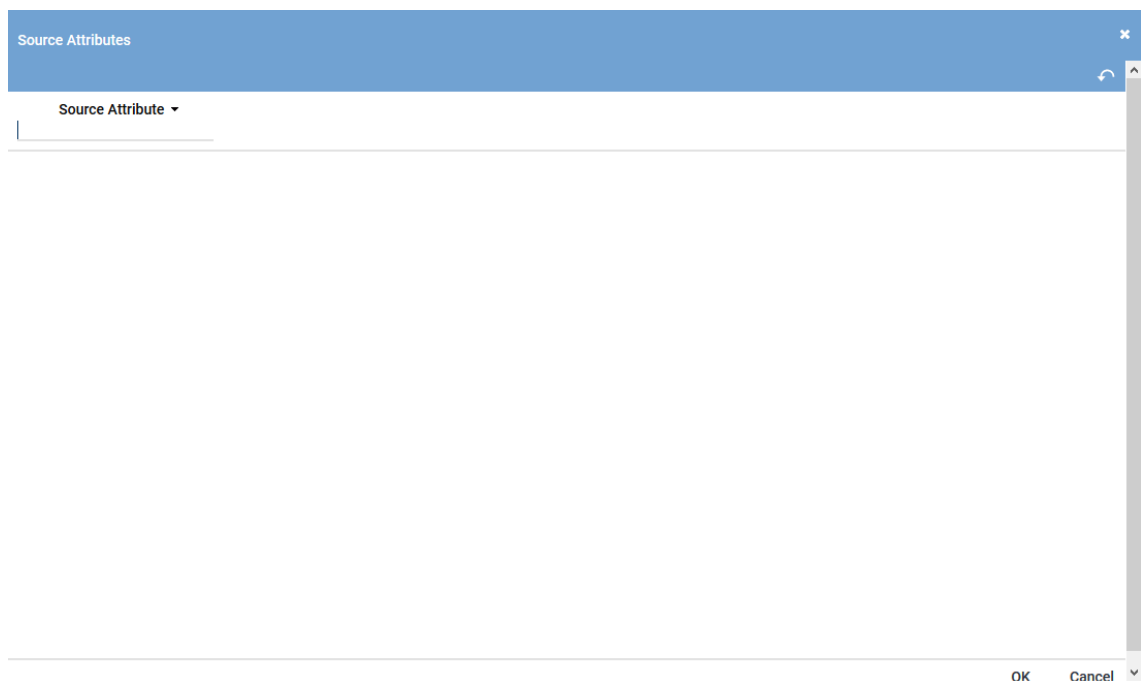


Fig. 13: Import source attributes

⇒ The window *Upload File* appears.

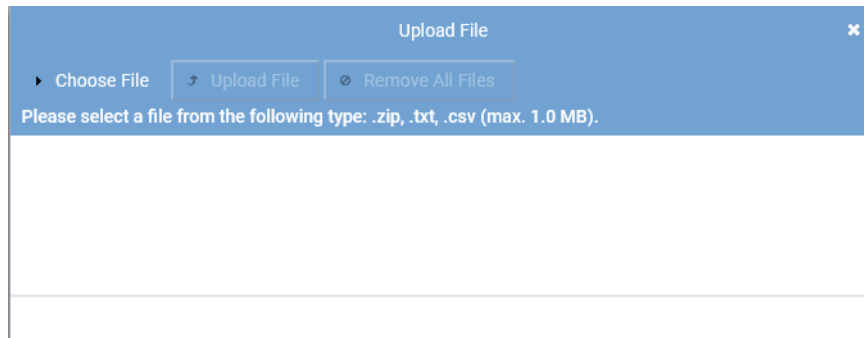


Fig. 14: Upload File

2. Click on the button **Choose File** to select the import file from the Windows Explorer.  
⇒ The Windows Explorer opens.

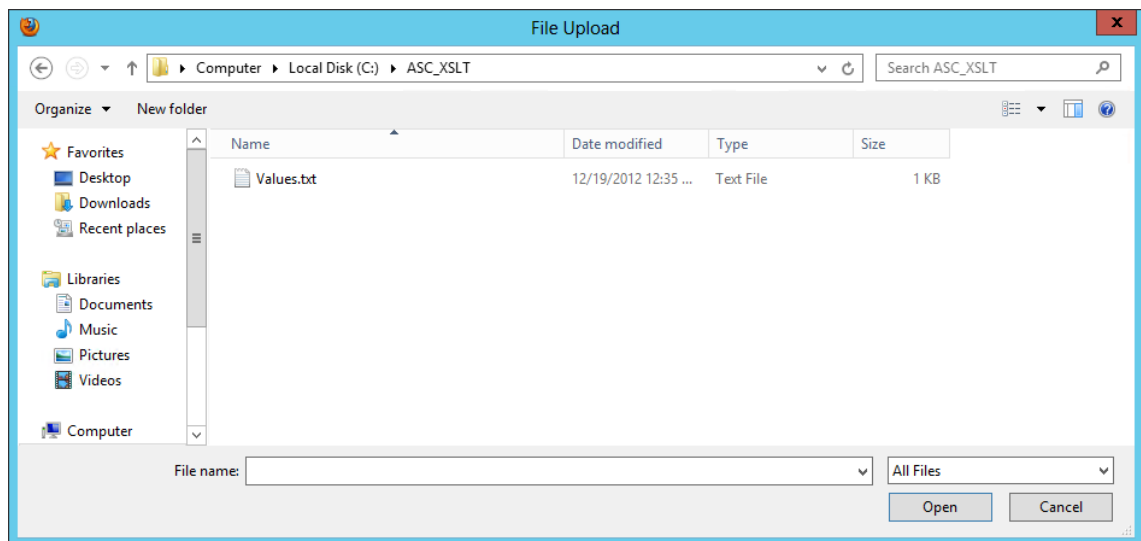


Fig. 15: Choose file

3. Select the respective file via the Explorer and click on the button **Open**.  
⇒ The selected file appears in the upload window. You can select several files to be uploaded.
4. To remove a selected file from the list, click on the icon **✕** next to the selected file.  
To remove all selected files, click on the button **Remove All Files**.

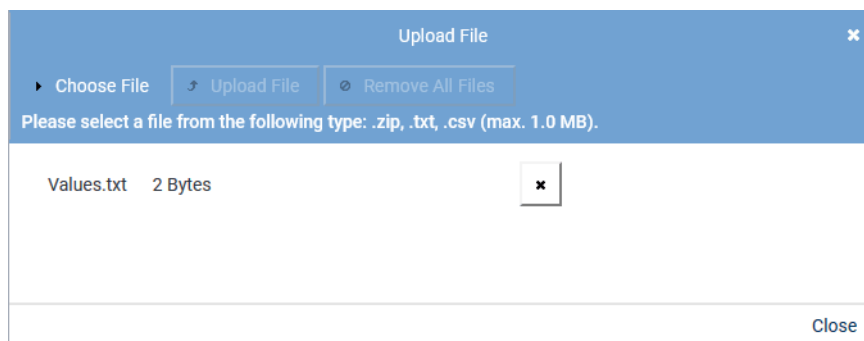


Fig. 16: Upload File

5. To upload the selected file, click on the button **Upload File**.  
⇒ The source attributes contained in the file are displayed in the window *Source Attributes*.

### 10.2.2 Group field Condition

In this group field, you can define a condition which has to be fulfilled so that the read-out value is applied in the target element.

| Condition     |                                     |
|---------------|-------------------------------------|
| Use condition | <input checked="" type="checkbox"/> |
| Condition     | <input type="text"/>                |

Fig. 17: Group field Condition


|                      |   |
|----------------------|---|
| <b>Use condition</b> | <input checked="" type="checkbox"/> = The condition entered in the field <i>Condition</i> is used.<br><input type="checkbox"/> = The condition entered in the field <i>Condition</i> is ignored.  |
| <b>Condition</b>     | Enter the XSL-compliant description of the condition.<br>Examples: <ul style="list-style-type: none"> <li>• <i>name</i><br/>Via this condition, you can check whether the current set of data includes a tag with the description "name".</li> <li>• <i>age &amp;gt; 20</i><br/>(<i>&amp;gt;</i> is the HTML entity for the character "&gt;")<br/>Via this condition, you can check whether the current set of data includes a tag with the description "age" and whether its value is larger than 20.</li> </ul> |

### 10.2.3 Group field Attributes


In this group field, you can define attributes which are supposed to be mapped to the target element.





| Attributes          |                        |
|---------------------|------------------------|
| Attribute Name      | Attribute Val          |
| No records found    |                        |
| <a href="#">Add</a> | <a href="#">Delete</a> |

Fig. 18: Group field Attributes

|   |  |
|---|--|
| <b>Attribute name</b>   | XML-compliant name that the attribute is supposed to have.   |
| <b>Attribute value</b>  | Value which is supposed to be entered in the attribute.  |
| <b>Add</b>  | Adds a new entry to the list.<br>Open the new entry ( <i>New Value</i> ) to enter a new attribute with the corresponding value (see <a href="#">chapter "Edit entry", p. 23</a> ). |
| <b>Delete</b>   | Deletes the selected attribute from the list.  |
|  | Opens the selected attribute to be edited (see <a href="#">chapter "Edit entry", p. 23</a> ).  |



#### 10.2.3.1 Edit entry

- To adjust an entry in the list, click on the icon  (*Edit*) in the corresponding line.  
⇒ The entry is edited in an entry field.

|  |   |
|--|---|
| 0002150013333                          |    |
| 0602150014444                          |    |
| <input type="text" value="New value"/> |   |

Add Delete

Fig. 19: Edit entry in the list

- Adjust the entry.
- To save the changes, click on the icon  (Save).  
To discard the changes, click on the icon  (Discard).

### 10.3 Element details in text format

In this view, the definition of the selected target element is displayed in a text editor. It is displayed in [XML](#) format. You can edit the definition directly in the [XML](#) structure in the Editor.

ImportKey

Details

TypeUnknown

```
<ImportKey>
<xsl:value-of select="hash"/>
</ImportKey>
```

Apply Editor View

Fig. 20: Element details in XML format (example)


- Make the necessary changes.
- To apply the changes and close the window, click on the button *Apply*.  
To discard the changes and close the window, click on the button *Cancel*.



The changes are not saved conclusively in the [XSLT](#) file before closing the [XSLT](#) Editor by clicking on the button Save (see [Fig. 9, p. 18](#)) and subsequently saving the [XSLT](#) mapping by clicking on the button Save in the detail view.

### 10.4 Add target element to XSLT definition

You can add and configure further target elements to an [XSLT](#) file.

- Click on the icon  (Create) in the toolbar of the [XSLT](#) Editor.
- Select the target element you would like to add.  
**NOTICE!** It depends on the information saved in the [XSLT](#) file which target elements are available.



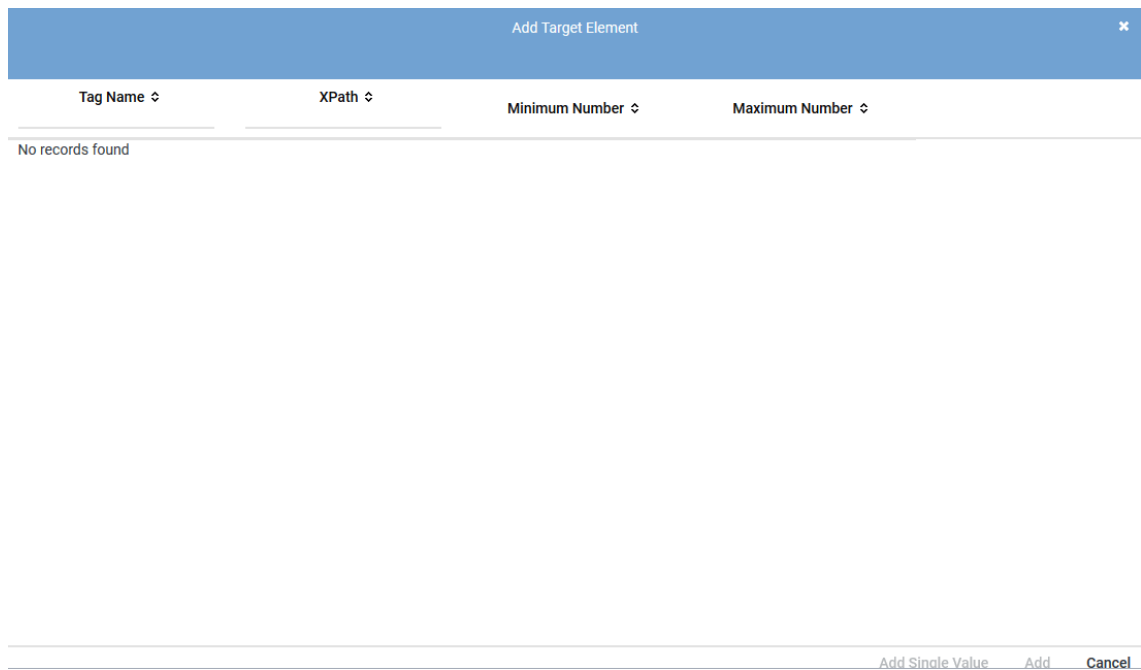



Fig. 21: Add target element to XSLT definition

3. Click on the button *Add* to apply the target element in the [XSLT](#) definition.  
If the selected target element allows mapping several values (type *Multiple value*), you can alternatively apply the target element as an element of the type *Single value*. To do so, click on the button *Add Single Value*. If you would like to apply the element as element of the type *Multiple value*, click on the button *Add*.  
⇒ The window is closed and the target element is applied in the [XSLT](#) definition.
4. Adjust the required settings of the new target element in the element details.
5. Click on the button *Apply* in the element details to apply the settings.
6. Click on the button *Save* (see [Fig. 9, p. 18](#)) to buffer the settings and to close the [XSLT](#) Editor.
7. In the detail view of the [XSLT](#) mapping, click on the button *Save* to conclusively save the changes.

### 10.5 Display XSLT file as text

You can display and edit the entire [XSLT](#) file in an text editor.

1. Click on the icon  (*Display XSLT file as text*) in the toolbar of the [XSLT](#) Editor.  
⇒ The following window appears:

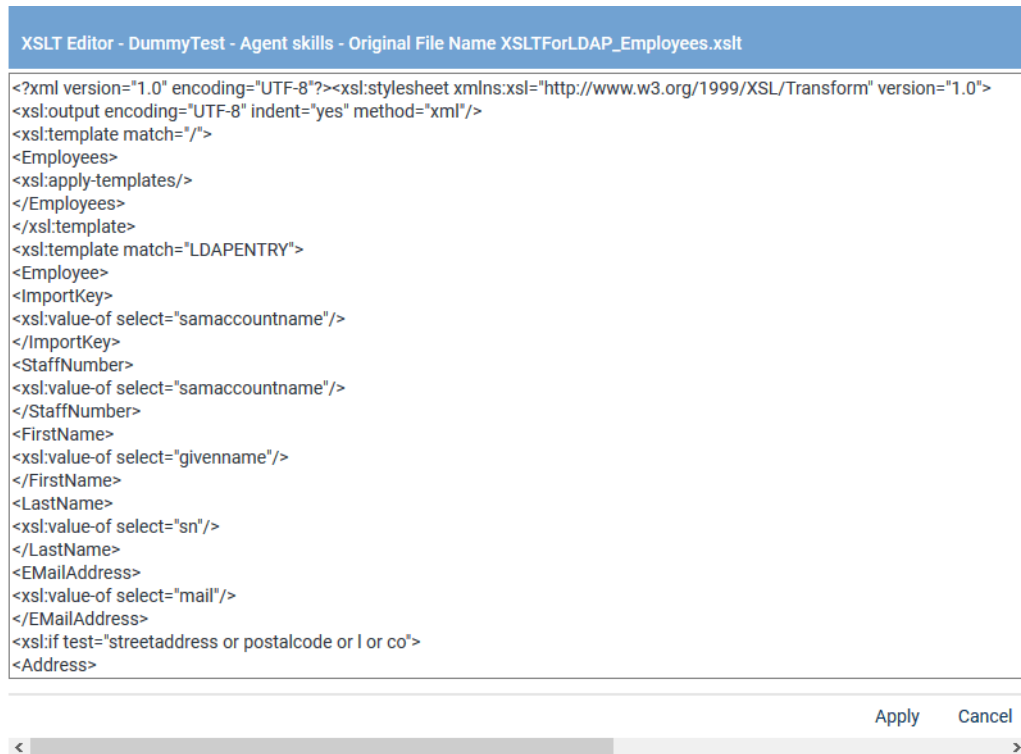


Fig. 22: XSLT file in the text editor window

2. Make the necessary changes.
3. To apply the changes and close the window, click on the button *Apply*.  
To discard the changes and close the window, click on the button *Cancel*.



The changes are not saved conclusively in the [XSLT](#) file before closing the [XSLT](#) Editor by clicking on the button *Save* (see [Fig. 9, p. 18](#)) and subsequently saving the [XSLT](#) mapping by clicking on the button *Save* in the detail view.

## 10.6 Create or adjust XSLT file

You can adjust an imported [XSLT](#) template according to individual requirements or create a new [XSLT](#) file.

If an [XSLT](#) mapping does not yet contain an [XSLT](#) file, you can create a new structure for the [XSLT](#) file and edit it.

1. To create a new [XSLT](#) file, click on the icon  (*Create new empty mapping*) in the toolbar of the [XSLT](#) Editor or on the text *Create empty mapping*.

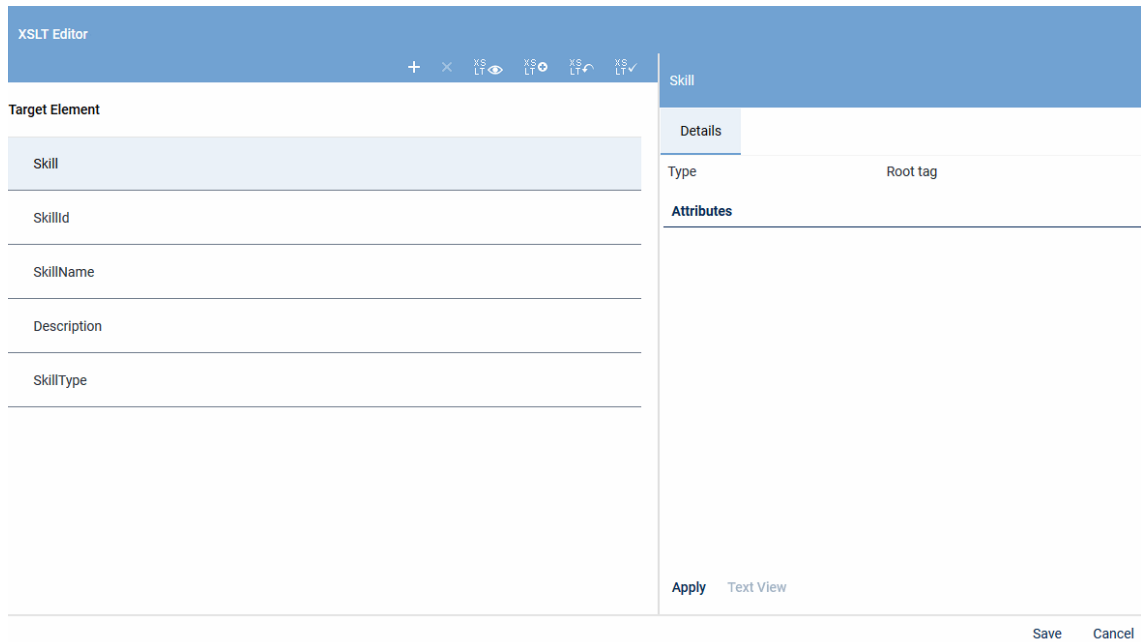



Fig. 23: Create XSLT file

⇒ All target elements available for the selected import object type are loaded into the [XSLT Editor](#).



**NOTICE!** The import object type is selected in the detail view of the [XSLT](#) mapping, see [chapter "Tab Details", p. 12](#).

2. If required, adjust the loaded element details of the different target elements from the template or the new [XSLT](#) file.  
**NOTICE!** After editing a target element, always click on the button *Apply* to apply the changes you have made.
3. To delete a target element, select the target element and click on the icon  (*Delete*) in the toolbar of the [XSLT Editor](#).
4. To buffer all changes and close the [XSLT Editor](#), click on the button *Save*.  
If you would like to discard the new [XSLT](#) definition and close the [XSLT Editor](#) without saving, click on the button *Cancel*.
5. To conclusively save the [XSLT](#) mapping, click on the button *Save* in the detail view of the [XSLT](#) mapping.

## 10.7 Import XSLT file

You can import and adjust your own [XSLT](#) files or [XSLT](#) files provided by ASC.

For some data types, ASC offers default [XSLT](#) files which you can use directly or as a template, see [chapter "Default XSLT files", p. 7](#). Upon request, ASC can provide further [XSLT](#) files matching your individual data structures.

1. To import an [XSLT](#) file, click on the icon  (*Import XSLT file*) in the toolbar of the [XSLT Editor](#).
2. Click on the button  *Choose File* to select the import file from the Windows Explorer.

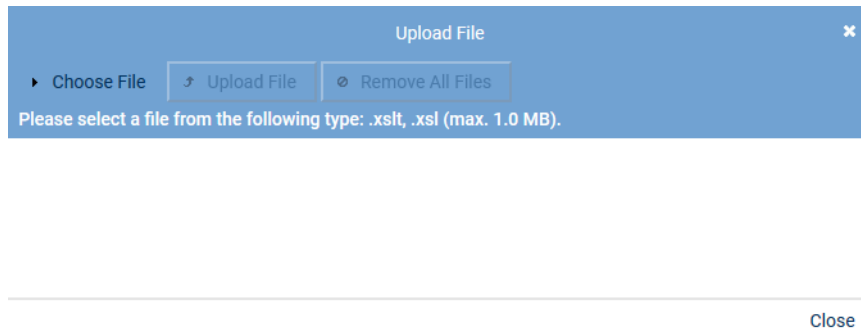


Fig. 24: Upload File

3. Select the respective file via the Explorer and click on the button *Open*.

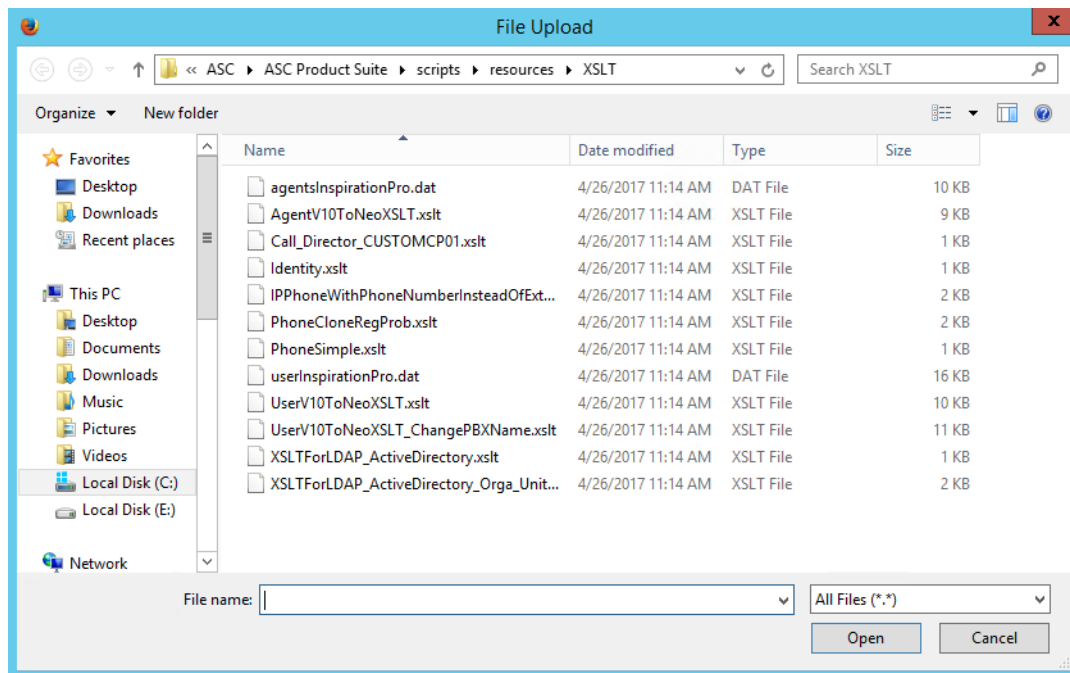

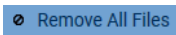


Fig. 25: Upload File

- ⇒ The selected file appears in the upload window. You can select several files to be uploaded.
4. To remove a selected file from the list, click on the icon  next to the selected file. To remove all selected files, click on the button .

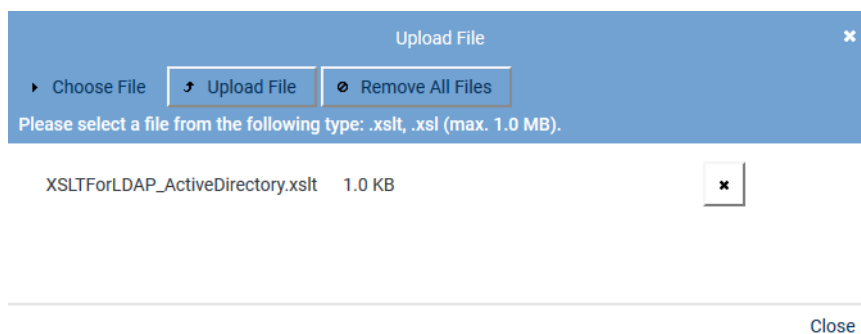
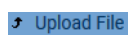


Fig. 26: Upload File

5. To upload the selected file, click on the button .
  - ⇒ The window is closed and the file is displayed in the field *Source*.
6. If required, adjust the imported XSLT file, see [chapter "Create or adjust XSLT file"](#), p. 26.

7. To save the changes and close the [XSLT](#) Editor, click on the button *Save* in the [XSLT](#) Editor.  
To discard the changes and close the [XSLT](#) Editor, click on the button *Cancel*.
8. To conclusively save the changes, click on the button *Save* in the detail view of the [XSLT](#) mapping.

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## Glossary

### CSV

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Comma-separated values is a file format which stores tabular data in plain text form.

### ID

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Identifier, ID

### LDAP

---

Lightweight Directory Access Protocol

### XML

---

Extensible Markup Language is a human-readable and machine-readable language which defines a set of rules for encoding documents.

### XSLT

---

XSL Transformation, short XSLT, is a programming language to transform XML documents. XSLT is based on the logical tree structure of an XML document and serves to define transformation rules. XSLT programs, so-called XSLT style sheets, are designed according to the XML standard rules. (Source: Wikipedia 22nd March 2017) The style sheets are read in by dedicated software, the XSLT processors, which transform one or several XML documents into the respective output format based on these instructions.