

Add02 Generate a file with a file



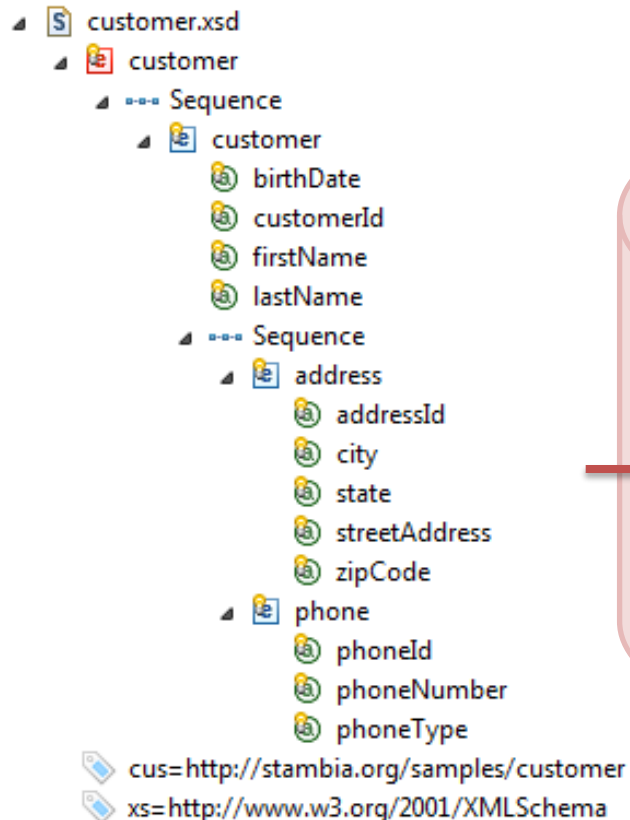
Related articles in Stambia.org

- <https://stambia.org/doc/124-stambia-di-software/designer/release-notes/860-designer-s20-1-x-draft>

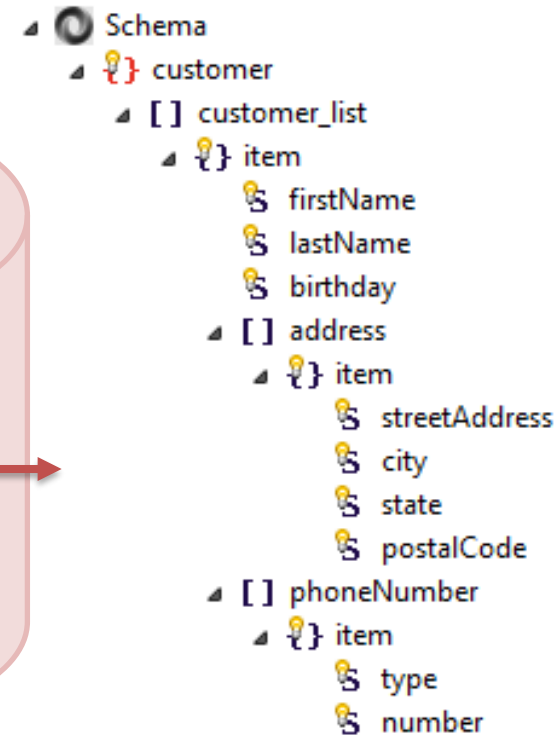
❖ Context

- The objective is to generate a JSON file with an XML file
- You will have to transform the phone type in upper case

XML



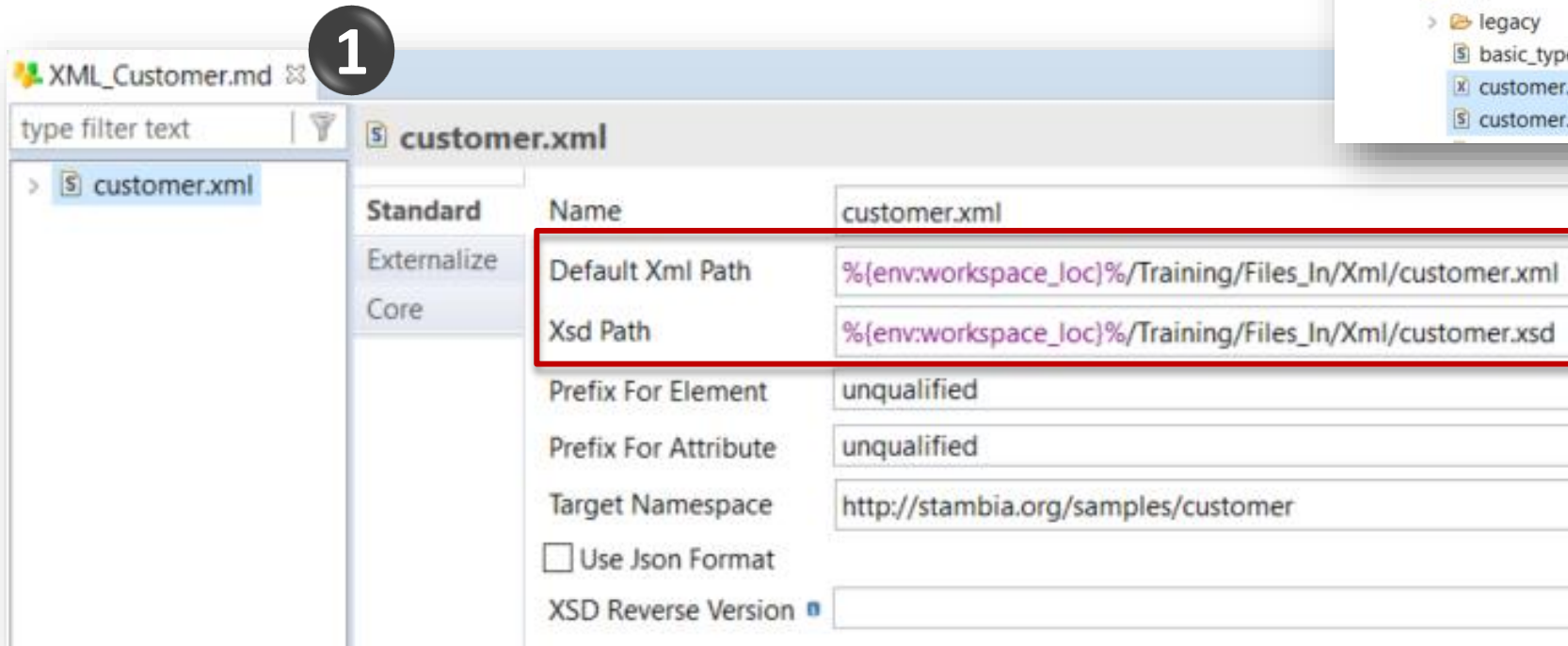
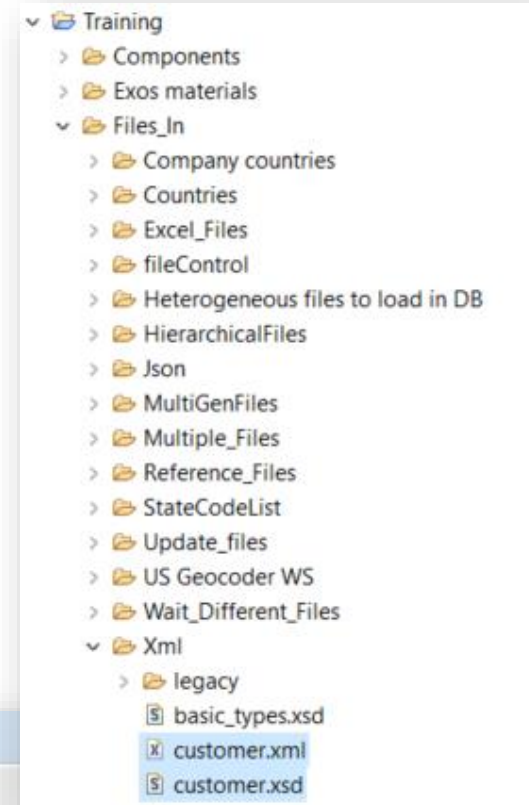
JSON



A stage
between
source and
target

❖ 1 - Reverse the XML customer file

- XML : Training/Files_In/Xml/customer.xml
- XSD : Training/Files_In/Xml/customer.xsd



❖ 2 - Reverse the JSON customer sample file

- Sample : Training/Files_In/Json/sample_customer.json
- Generation location : Training/Files_Out/Json

2

JSON_Customer.md

type filter text

Schema

- customer

Standard

Name: customer

Externalize

Core

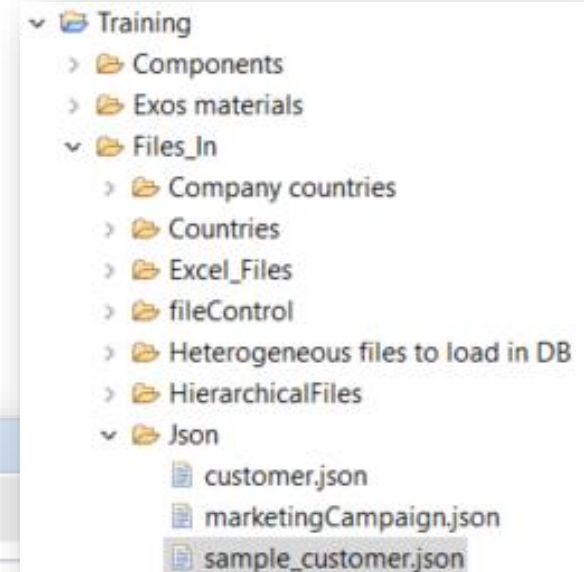
File Path: %(env:workspace_loc)%/Training/Files_Out/Json/generated_customer.json

Reverse

Sample URL

Sample File: %(env:workspace_loc)%/Training/Files_In/Json/sample_customer.json

Encoding



- ❖ 3 - Create a mapping
 - Drag & drop XML and JSON elements
 - Select a staging area (choose HOTEL_MANAGEMENT RDBMS schema)
 - Define the business rules
 - Complete the repetition blocs

The screenshot illustrates the Stambia mapping configuration for a file-to-file transformation. A large number '3' is overlaid on the main mapping area, indicating the current step in the process.

Source Tree (Left): Shows a hierarchical structure for 'customer' with fields: birthDate, customerId, firstName, lastName, address (addressId, city, state, streetAddress, zipCode), and phone (phoneId, phoneNumber, phoneType).

Main Mapping Area (Right): Displays the mapping for 'customer_2' in the 'HOTEL_MANAGEMENT' schema. The mapping is structured as follows:

- customer_2** (Table)
 - customer** (Table)
 - customer_list** (Repetition)
 - item** (Repetition)
 - firstName : customer.customer/customer/@firstName
 - lastName : customer.customer/customer/@lastName
 - birthday : customer.customer/customer/@birthDate
 - address** (Table)
 - item** (Repetition)
 - streetAddress : customer.customer/customer/address/@streetA...
 - city : customer.customer/customer/address/@city
 - state : customer.customer/customer/address/@state
 - postalCode : customer.customer/customer/address/@zipCode
 - phoneNumber** (Table)
 - item** (Repetition)
 - type : UPPER(customer.customer/customer/phone/@phoneType)
 - number : customer.customer/customer/phone/@phoneNumber

Configuration Panel (Bottom): Shows the 'customer_2' configuration with the following details:

- Standard:** Alias: customer_2
- Structure:** Update Key Provider: --- Manual Definition ---
- Advanced:** Staging Area: HOTEL_MANAGEMENT

❖ At the execution of the mapping, the result will be:



The screenshot displays an IDE interface. On the left, the 'Project Explorer' and 'Navigator' panels show a project structure. The 'Training' folder is expanded, revealing sub-folders like 'Components', 'Exos materials', 'Files_In', and 'Files_Out'. Under 'Files_Out', there are several files including 'ActivityGenerator', 'Bind', 'ComplexQuery', 'GenerateAlert', 'HierarchicalFiles', 'html', and 'Json'. The 'Json' folder is expanded, showing 'customerList.json', 'generated_customer.json' (which is selected), and 'marketingCampaign.json'. On the right, the 'generated_customer.json' file is open in the editor, displaying a JSON array of customer objects. The first object in the array is for 'Jason GIBBS' with a null birthday and an address in Boston, MA. The second object is for 'Michael O'NEAL' with a null birthday.

```
{
  "customer_list": [
    {
      "firstName": "Jason",
      "lastName": "GIBBS",
      "birthday": null,
      "address": {
        "streetAddress": "610 Beacon St",
        "city": "BOSTON",
        "state": "MA",
        "postalCode": "02115"
      },
      "phoneNumber": [
        {
          "type": "HOME",
          "number": "(413) 454-5663"
        },
        {
          "type": "VOIP",
          "number": "(413) 442-5252"
        },
        {
          "type": "OFFICE",
          "number": "(413) 442-5250"
        }
      ]
    },
    {
      "firstName": "Michael",
      "lastName": "O'NEAL",
      "birthday": null,

```