

Appendices -Advanced exercises

ADV05 Update a file with a file

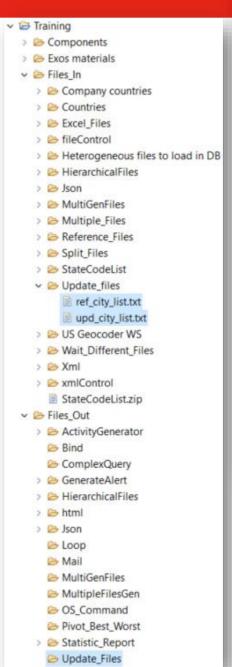


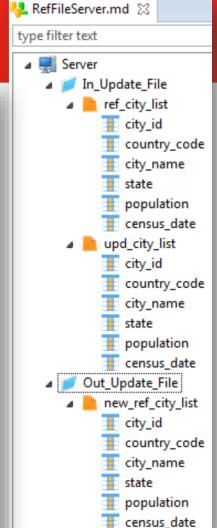
Update a file with a file - 1/4

Context

- You have a referenced file and you want to update it with a updated file
- The rule will be
 - If there is an update, apply the update
 - Otherwise keep the reference value
- The identifiers will be the city_id and the country_code
- You will use a work schema to host the SQL transformations

```
city_id; country_code; city_name; state; population; census_dat
31; TH; Om Noi; Samut Sakhon; 51455; 11/11/2010
32; TH; Sakon Nakhon; Sakon Nakhon; 51245; 08/03/2012
1; TH; Bangkok; Bangkok; 8280925; 01/01/2010
15; TH; Pattaya; Chonburi; 107289; 16/08/2010
1; IN; Mumbai ; Maharashtra; 12478447; 01/01/2011
2; IN; Delhi ; Delhi; 11007835; 01/01/2011
3; IN; Bangalore ; Karnataka; 8425970; 01/01/2011
4; IN; Hyderabad ; Telangana; 6809970; 01/01/2011
```

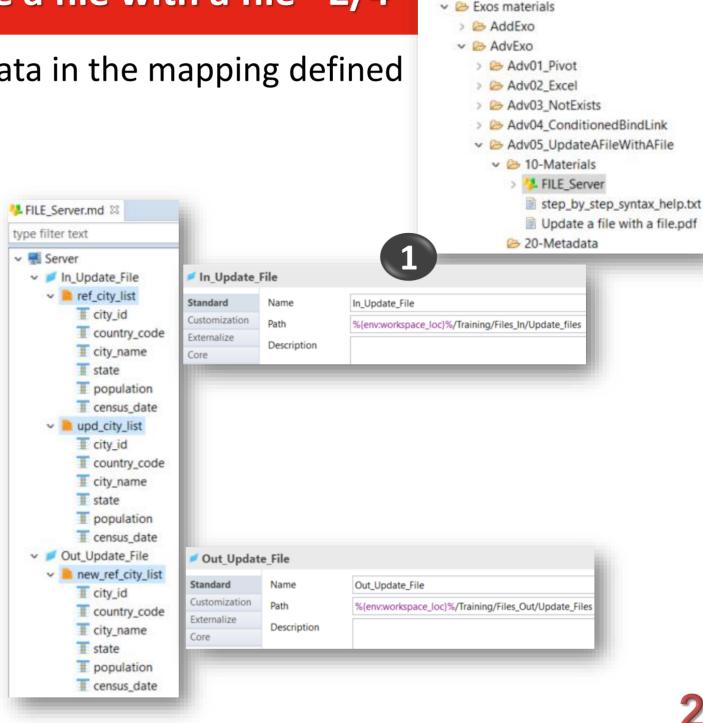






Update a file with a file - 2/4

❖ 1 – Use the FILE metadata in the mapping defined in the following slide



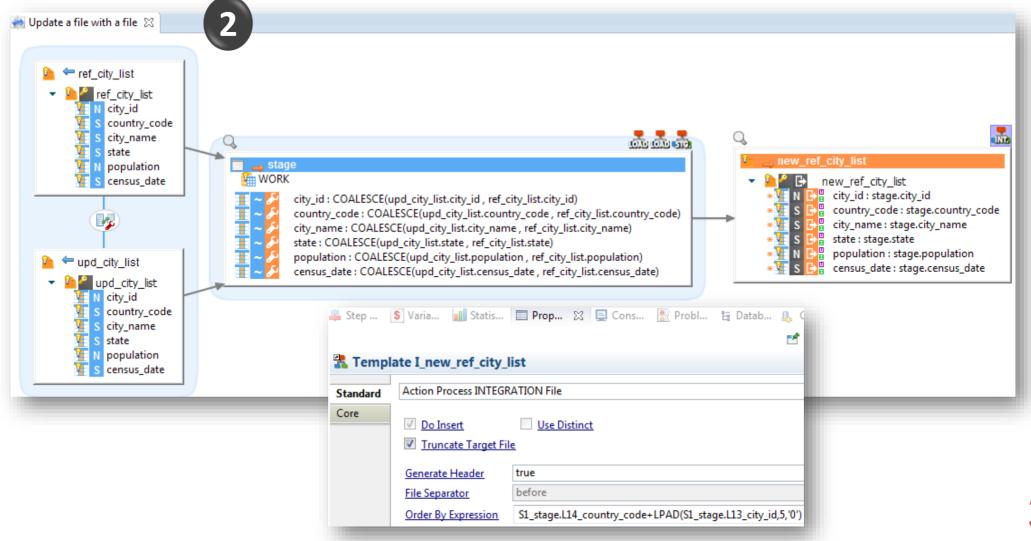
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Update a file with a file - 3/4

- 3 Create the following mapping
- Use a full outer join to join referenced and updated files
- Drag & drop a work schema and use COALESCE SQL function





Update a file with a file - 4/4

- 4 The new generated file :
 - Note: the new file could be the same as the source one (we used a new file only to allow you to compare source and target)

