stambia
Innovative Solutions

Appendices - Additional exercises

Add15 Build and use a Geocoder Web Service

Build and use a Geocoder Web Service - 1/7

- The Objective is to create and use a Geocoder Web Service
  - Use more than 29000 latitude and longitude of US cities
  - Publish a Web Service with parameters and XML
  - Reverse this published Web Service to invoke it and update the T_ADDRESS table

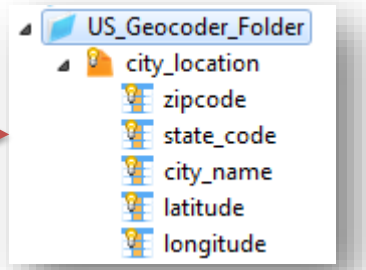
NEED HELP? Training/Exos materials/AddExo/Add15_.../step_by_step_syntax_help.txt

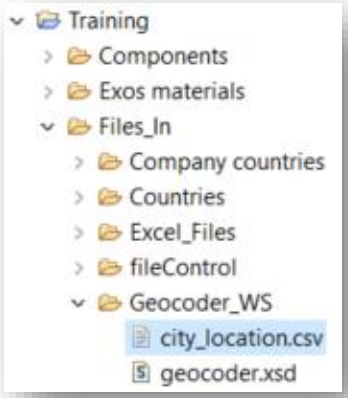
Build and use a Geocoder Web Service - 2/7

1 – A File metadata is available and must be integrated in DB

	A	B	C	D	E
1	zipcode	state_code	city_name	latitude	longitude
2	35004	AL	Acmar	33.584132	-86.515570
3	35005	AL	Adamsville	33.588437	-86.959727
4	35006	AL	Adger	33.434277	-87.167455
5	35007	AL	Keystone	33.236868	-86.812861
6	35010	AL	New Site	32.941445	-85.951086
7	35014	AL	Alpine	33.331165	-86.208934
8	35016	AL	Arab	34.328339	-86.489638
9	35019	AL	Baileyton	34.268298	-86.621299
10	35020	AL	Bessemer	33.409002	-86.947547
11	35023	AL	Hueytown	33.414625	-86.999607
12	35031	AL	Blountsville	34.092937	-86.568628
13	35033	AL	Bremen	33.973664	-87.004281
14	35034	AL	Brent	32.935670	-87.211387
15	35035	AL	Brierfield	33.042747	-86.951672
16	35040	AL	Calera	33.109800	-86.755987

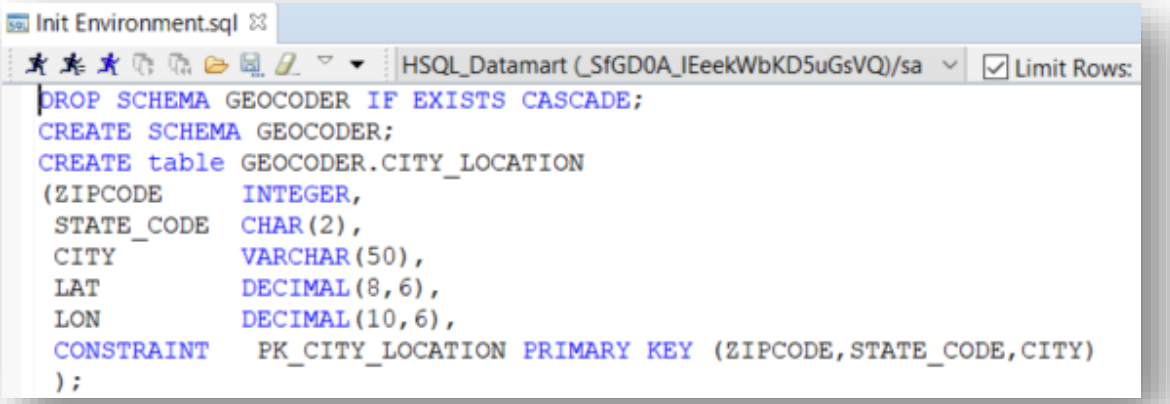
1



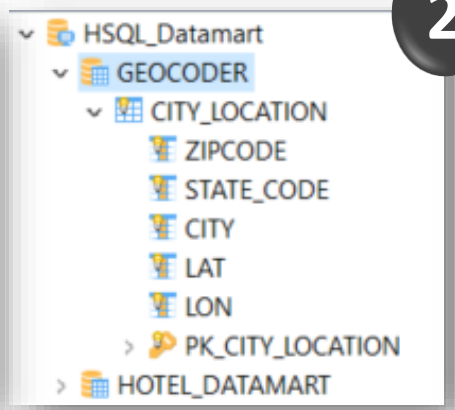


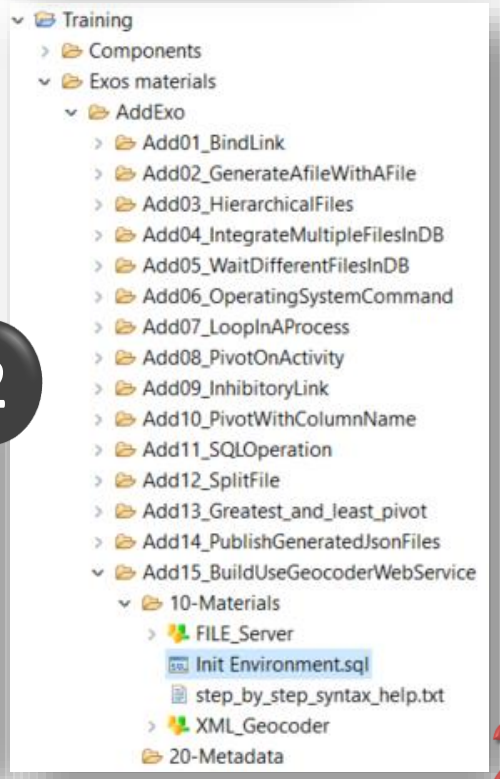
2 - Execute the SQL file (Init Environment.sql)

- Reverse GEOCODER schema and the related table



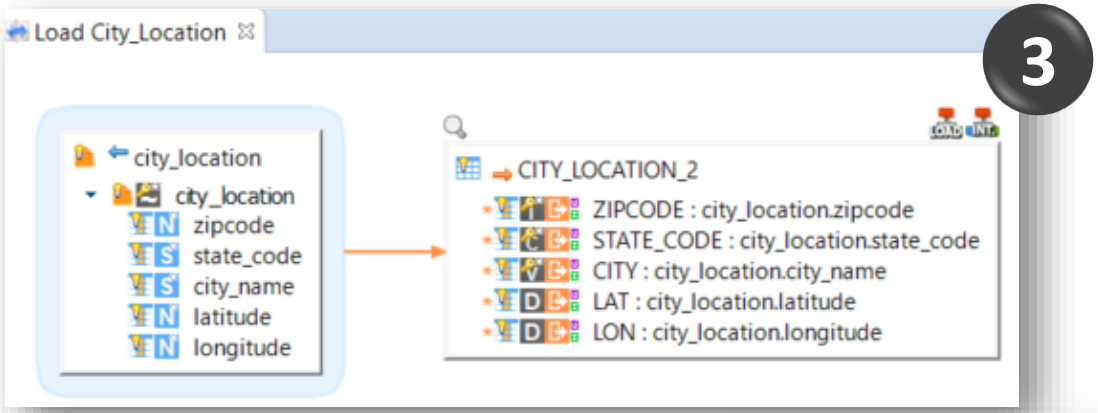
2

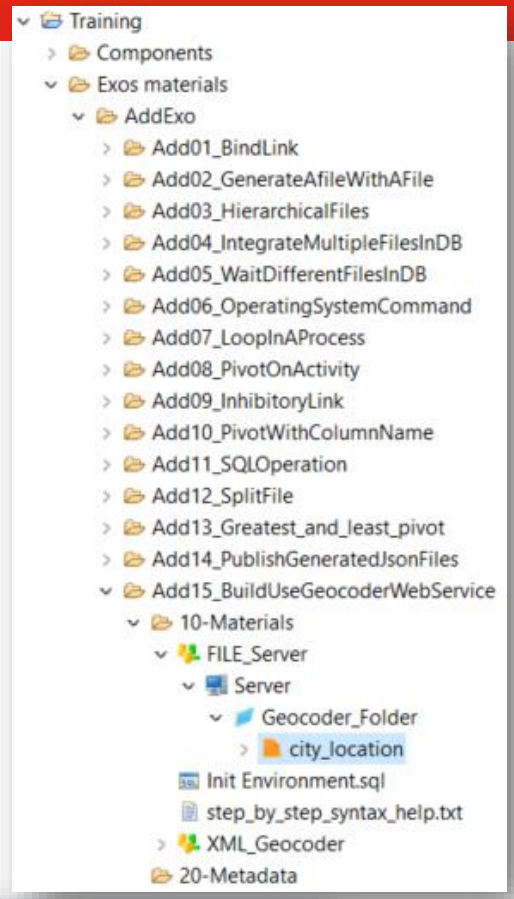




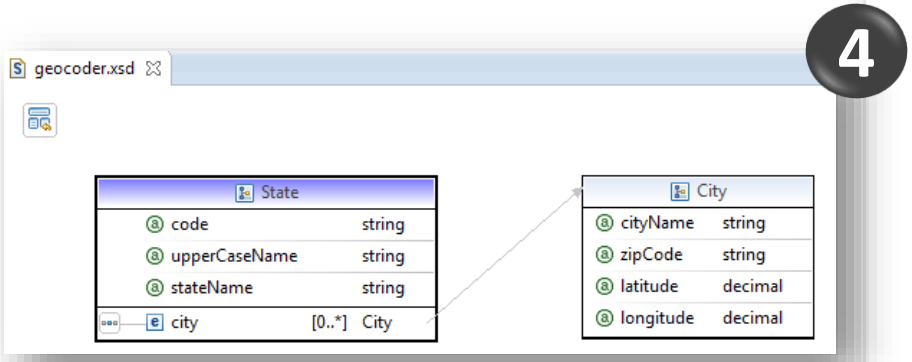
Build and use a Geocoder Web Service - 3/7

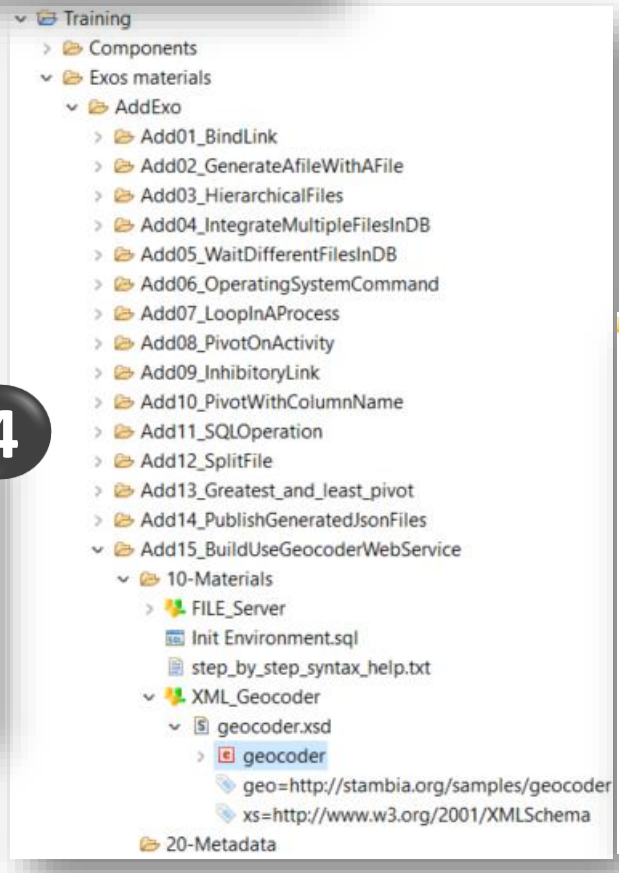
- 3 - Create a mapping to load the file in the table

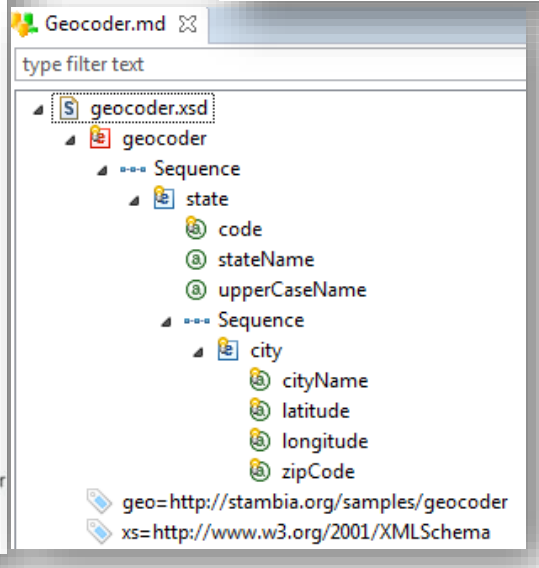




- 4 – An XML metadata is available



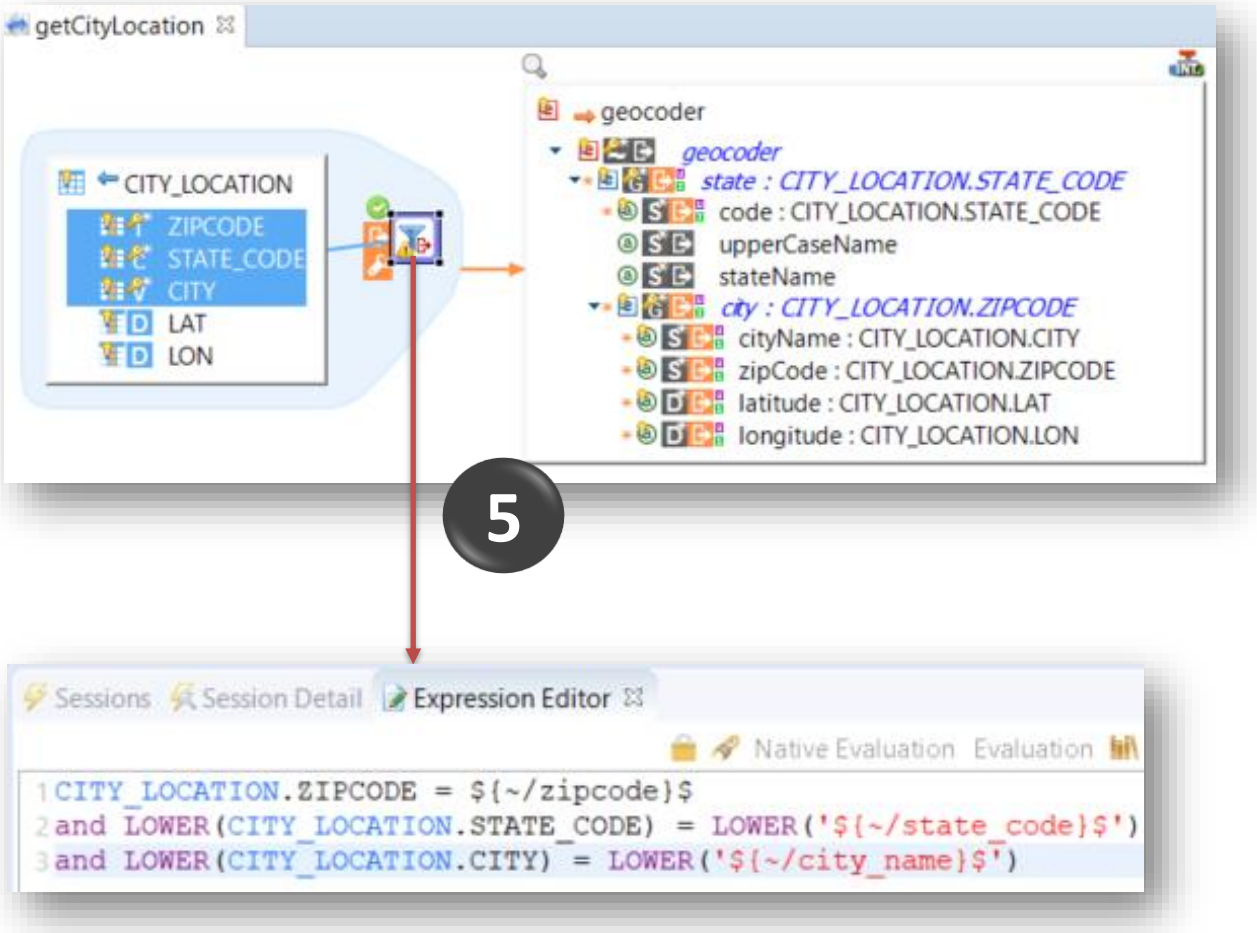




Build and use a Geocoder Web Service - 4/7

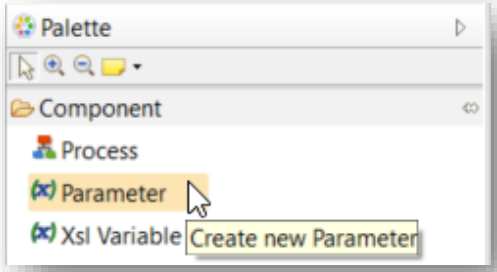
5 - Create a mapping to load in a XML structure the result of a search with a filter

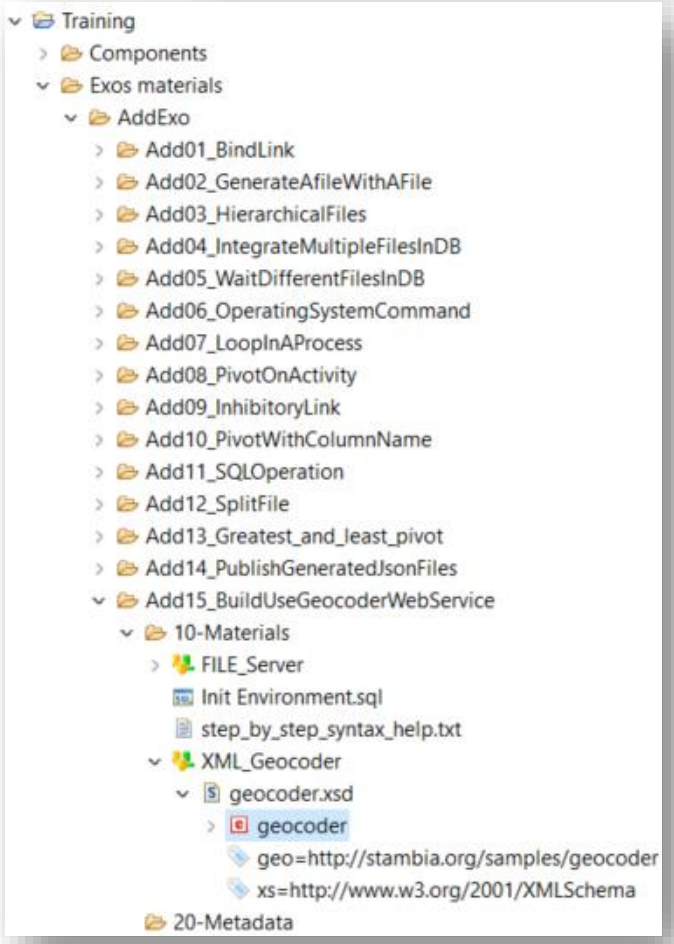
- The 3 restrictions refer to the 3 input parameters of the Web Service

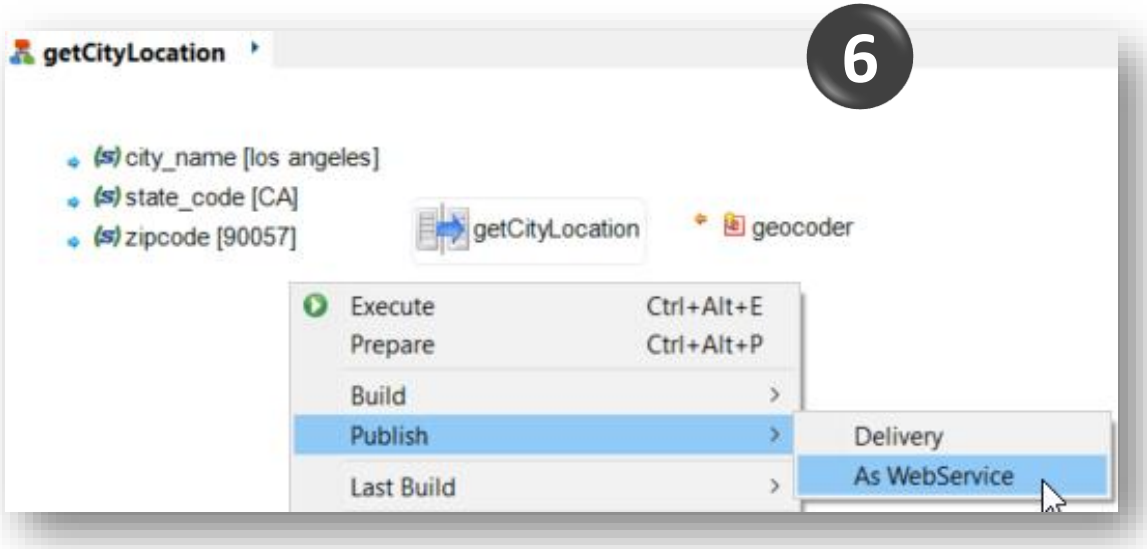


Build and use a Geocoder Web Service - 5/7

- 6 - Create a process with
  - 3 input parameters
  - The mapping
  - the output XML root element
  - Publish the process as a Web Service

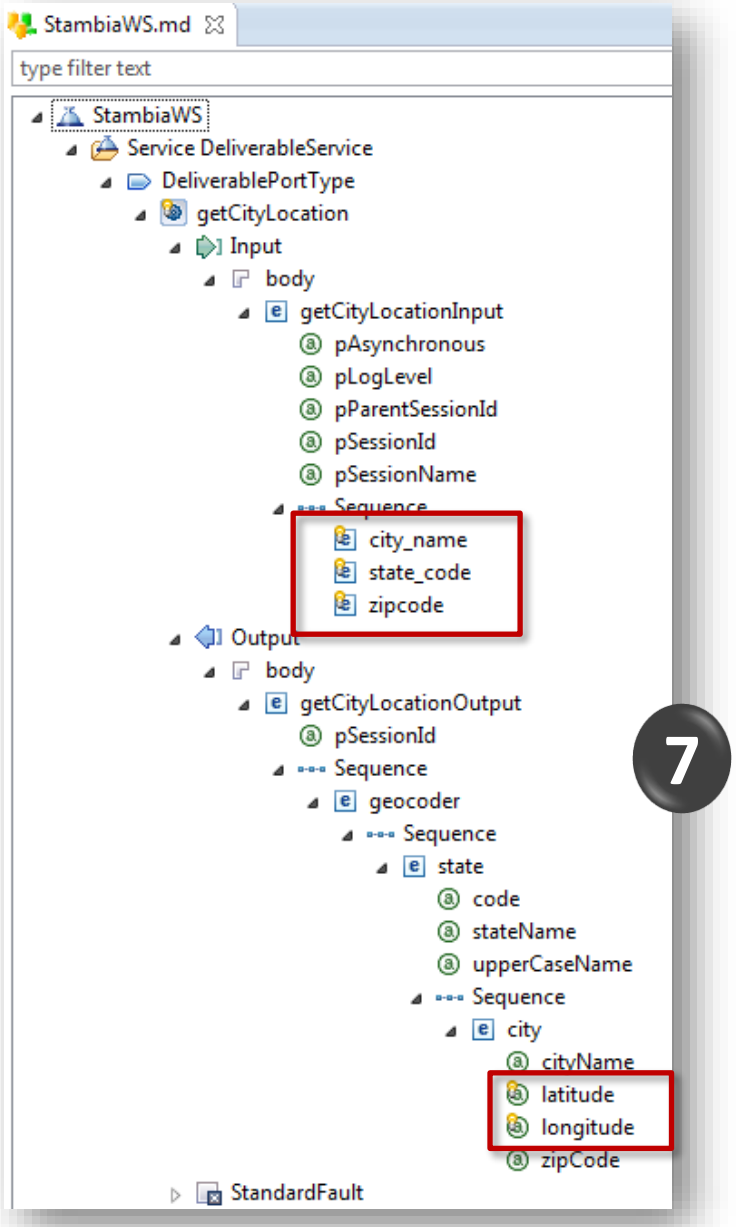






Build and use a Geocoder Web Service - 6/7

- 7 - Once the Web Service is published, it's possible to reverse it



Build and use a Geocoder Web Service - 7/7

- 8 - Build and execute a mapping to update the latitude and longitude of the T_ADDRESS table with the invoke of Web Service