

Temporary Connection of Local Files in Marushka



GEOVAP

CONTENTS

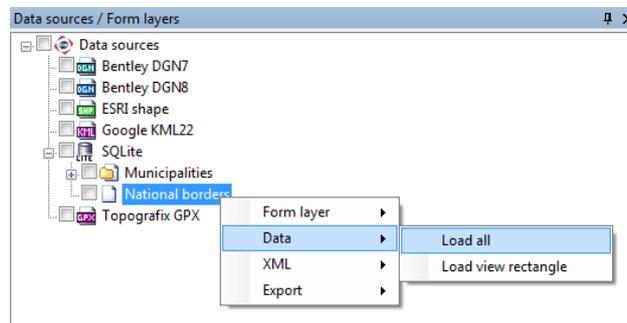
1	AIM OF THE EXAMPLE.....	2
2	WORKING WITH EXAMPLE	2
3	DIALOG BOX SAMPLE.....	3
4	A BRIEF DESCRIPTION OF THE EXAMPLE IN MARUSHKA DESIGN	4

1 Aim of the Example

In this example we will demonstrate, how to connect files type DGN7, DGN8, SHP, KML, GPX and DXF in Marushka. This example was created in version 4.1.0.15, so it does not have to be compatible with older versions.

2 Working with Example

- Unzip the **TemporaryConnectionOfLocalFiles_EN.zip** into **c:\MarushkaExamples** folder. The target folder must be respected due to interconnection of paths with the project. In case of placing the files in the different folder, it would not be possible to work with an example.
- Open the project **TemporaryConnectionOfLocalFiles_EN.xml** in MarushkaDesign environment.
- Select form layer **National Borders**, in the context menu choose Data – Load all:



- In map window choose „Fit All“:

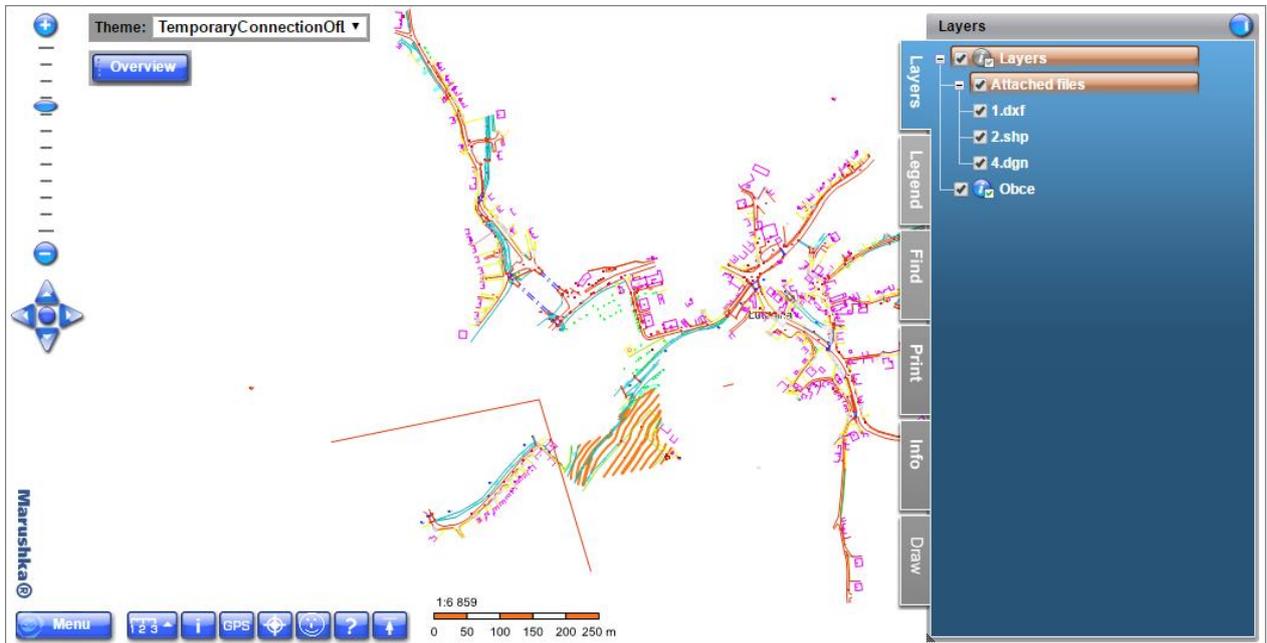


- Launch the local web server:



3 Dialog Box Sample

Img 1: Example of connected file type DGN7 and node of connected files in panel Layers



4 A brief description of the Example in Marushka Design

The aim of this example is to demonstrate how it is possible in Marushka to temporarily connect and subsequently display files type KML, DGN7, DGN8, GPX, DXF and SHP.

The following procedure shows how to attach files type KML, for the other mentioned file types, the procedure is similar, unless otherwise specified. All the data stores are in S-JTSK (m) -> S-JTSK (m), except Topografix GPX and Google KML22, which are WGS84 (degree) -> S-JTSK (m).

- 1 Connect file type kml – Data sources ~ Add DataStore ~ File ~ Google KML22 ~ Select root folder for connected files. This folder must be empty when connecting. It is also necessary to create this folder and set permissions to write for the user or group, under which runs IIS (by default, it is IIS_USER or group IIS_WPG).

3. Connection parameters	
ConnectString	C:\temp\TemporaryConnectionOfLocalFiles\
DynamicObjectsModule	Build in dynamic objects module
ElementProcess	
IgnoreAllErrors	False
IndexString	C:\temp\TemporaryConnectionOfLocalFiles\
MaxLoadErrors	256

- 2 In Data Sources properties set the same path as in the previous step.

Objects properties	
1. Project properties	
Errors	ErrorItem[] Array
LegendSort	Caption
LoadPubLayersModule	
PassedParams	(Collection)
SupportedWebServiceProjections	(Collection)
TargetProjection	JTSK
TargetUnits	metre
UserAttachedFilesRoot	C:\temp\TemporaryConnectionOfLocalFiles\
wmsProcess	Basic wms20
WmsOgcUm	False

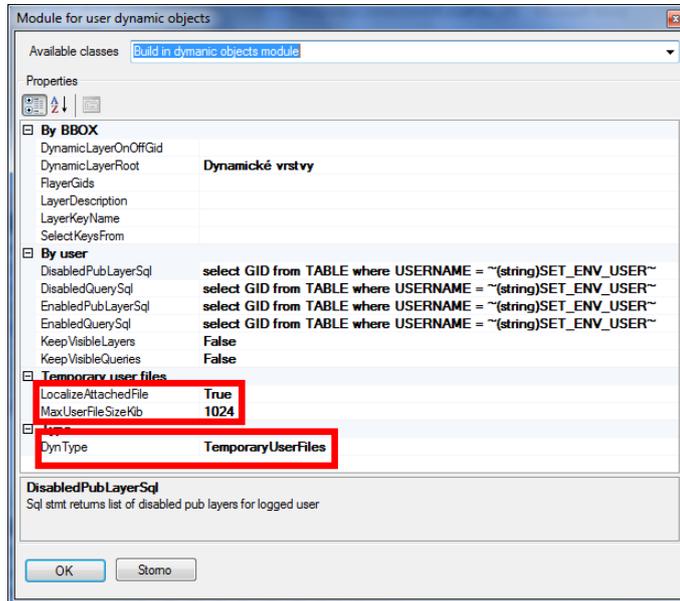
- 3 DataStore KML cannot contain any form layer, if it contains any, so it needs to be removed. Just in the case of KML file, it is necessary to clean up the cell library (remove all cells for the give data source)
- 4 In properties of the data store **KML 4. File datastore properties ~ FormLayerType** set property Files.

4. File datastore properties	
FormLayerType	Files

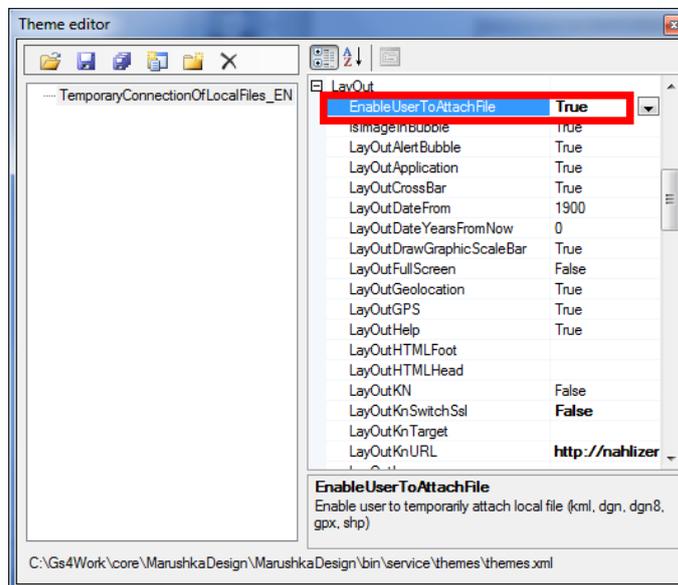
- 5 In the data store **KML 3. Connection parameters ~ DynamicObjectsModule** set **Build in dynamic objects module**.

3. Connection parameters	
ConnectString	C:\temp\TemporaryConnectionOfLocalFiles\
DynamicObjectsModu	Build in dynamic objects module
ElementProcess	
IgnoreAllErrors	False
IndexString	C:\temp\TemporaryConnectionOfLocalFiles\
MaxLoadErrors	256

- In module **Build in dynamic objects module** set in category **Type ~ DynType ~ TemporaryUserFiles** and in the same category it is possible to set value **LocalizeAttachedFile** to value **“true“**, if the user wants after connecting the file, the map window move to the center of the connected file. In category **Temporary User Files ~ MaxUserFileSizeKib** set the maximum size of the connected file in kilobytes.

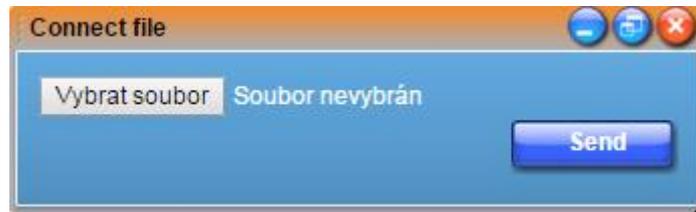


- After starting a webservice, set in theme editor in category **LayOut ~ EnableUserToAttachFile** to value **“True“**.



Connecting the Files in Marushka

In Marushka will then display a button , after clicking on it, the dialogue box Connect file appears, here the user selects the file, which should be loaded and selects Send.



The file is then loaded, is displayed immediately and the map window will move to position of the connected file. In panel layers will displayed node AttachedFiles, under which is the name of the connected file. This layer can be turned on or off, it is possible to connect multiple files this way.

By total, there are six files available, on which it is possible to test the connection of files.