How to call TopoL xT 8.x from external Application (Dec 2006)

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This document describes how to display and select objects from external application.

1. The ID of the objects are saved in specified files which is created by External application. It is a text file (KEYFILE).

2. The keys are saved line by line (each line is one key):

   Example for 3 keys of eg. catastral areas:

   FS14632200000005000000
   FS14632200000017000000
   FS14632200000049000000

3. The key is used in both systems to find identical objects

4. After creating KEYFILE external application calls CallTopoLxT.exe

5. CallTopoLxT.exe is created and provided by TopoL Software

6. External program calls the CallTopoLxT.exe with 2 parameters:

   - KEYFILE - full name of file with keys
   - GEODATALAYER – allias name of block

   Example for calling CallTopoLxT.exe with KEYFILE-parameter and GEODATALAYER-ALIAS parameter:

   CallTopoLxT.Exe C:\temp\SelectedObjects.txt PARCELS_A

7. The CallTopoLxT.Exe controls TopoLxT by OLE/COM. If TopoL xT is not open it starts it. It presents objects from GEODATALAYER. GEODATALAYER is the parameter of CallTopoLxT.Exe and it is an alias. Real path is defined in CallTopoLxT.ini. The objects to be displayed are defined in the KEYFILE.

8. In the DEFINITIONFILE of CallTopoLxT.Exe (the name is CallTopoLxT.ini and it is saved in the same directory) the path to TopoLxT and the ALIAS (which is used for GEODATALAYER-parameter) are defined. The GEODATALAYER alias is a section in which full path, the group of objects for selecting and the key-field for selecting are defined.

9. If the parameter GEODATALAYER is empty then the CallTopoLxT.Exe uses automatically the first definition which is saved in DEFINITIONFILE

   Example for DEFINITIONFILE :

   [Setting]
   TopoLPath=g:\tt\topolxt8

   [Flur]
   DatabaseName=d:\data.dat\tpdata\flurstk.blk
   TableName=P0001
   FieldName=NUMMER

   [Ukazka]
   DatabaseName=d:\data.dat\tpdata\Ukazka.blk
   TableName=P0001
   FieldName=CISLO

10. The resulting action in the TopoL XT is that TopoL xT opens the data if they are not open and selects objects defined in KEYFILE, zooms to them and sets up that only selected objects are displayed.