How to call external application from TopoL xT 8.0 (Dec 2006)

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This document describes how to call external program from TopoL xT.

CallExternal.ini is a file with a definition for calling external applications with parameters. This file has to have the name CallExternal.ini and has to be saved in a folder where TopoL xT is installed.

1. Settings of „CallExternal.Ini“

Example:

```
[External1]
Name=Archikart
Hint=Calling external Archikart-DB
Path=c:\programme\archikart\AKCom.exe
ExportFile= C:\temp\TopoLExportID.txt
DatabaseName=c:\projekte\archikart\boden.blk
TableName=B0001
FieldName=NUMMER

[1Action1]
Name=Archikart B02
Hint=Show selected Objects in Archikart Module B02
Action=_SELECTMULTI_
Parameter1=LOAD
Parameter2=B02
Parameter3=_EXPORTFILE_

[1Action2]
Name=Archikart B03
Hint=Show selected Objects in Archikart Module B03
Action=_SELECTMULTI_
Parameter1=LOAD
Parameter2=B03
Parameter3=_EXPORTFILE_

[1Action3]
Name=Show Archikart
Hint =Bring Archikart to Front
Parameter1=BRINGTOFRONT

[External2]
Name=SimpleDBViewer
Hint=Calling external Simple Viewer
Path=c:\programme\simpleviewer\simpleviewer.exe
```

```
ExportFile= C:\temp\SimpleExport.txt

[2Action1]
Name=SimpleViewer
Hint=Show selected Objects in SimpleViewer
Action=_SELECTSINGLE_
Parameter1= _EXPORTFILE_
```

Section External[NR]

The IniFile have the possibility to define more than 1 external application. For each external application which can be called there are these general settings:

Name

Caption of the of the **menu** which is created automatically by TopoL xT

Hint

Text of the shorthint and longhint of the menu

Path

Path of external application which should be started with parameters of action.

ExportFile

File to save the defined Field-values of selected objects from defined database and table.

DatabaseName

If the database is defined (e.g. BLK c:\projekte\archikart\boden.blk), then only for the objects of this block the defined action is enabled. If the database is not defined the action can be performed with objects of all blocks.

TableName

If the tablename is defined here (e.g. B0002) then only for the objects of this kind of table the defined action is enabled. If the table is not defined all objects of all tables can be used in the action.

FieldName

When FieldName is defined, the values from this database field will be written to export file. If the field name is not defined NUMMER, NUMBER or CISLO are used.

Sections [External-NR]Action[Nr]

For each defined external application, which can be called, it´s possible to define 1 or more Actions. Each Action will be represented as menu-item of the External-menu. The action represents more less a command which is given to the external application. Such command can have 1 or more parameters.

Name

Caption of the of the **menu-item** of the command

Hint

Text of the shorthint and longhint of the menu-item

Action

Defines if the user should do some action in TopoL before calling external application. If here is no Action-value external application is called directly. Following values can be use:

SELECTMULTI: User selects in Map window 1 or more objects by mouse click When selecting the objects, TopoL xT creates export file with selected objects and calls external application. It always rewrites the old external file. Then he can select other objects or he can exit the operation by local-menu (right mouse) etc.

SELECTSINGLE: User selects in Map window only 1 object. When selecting the object, TopoL xT creates export file with selected obejct and calls external application. It always rewrites the old external file. After that the operation is finished..

Parameter[Nr]

Textvalue of command-line parameter for calling of external application. There is one reserved value-variable "_EXPORTFILE_". In this case the system should use as value the full name of export file declared in section EXTERNAL.

After Selecting the object(s) the system writes the value(s) into the defined exportfile and call the external application as defined which the needed parameters of the command.

Example

1. Write to: ExportFile= C:\temp\TopoLExportID.txt
2. Call of: c:\programme\archikart\AKCom.exe LOAD B02 C:\temp\TopoLExportID.txt