



1-Click Maintenance

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Readme

The 1-Click Database Maintenance plug-in helps you maintaining your Topobase documents. The tool verifies, fixes and cleans up different Topobase and Oracle system tables and other objects.

Before you run the plug-in:

Please make sure no users are connected to this document.

Consider to make a backup of this document before fixing the issues.

The tool performs some very basic maintenance checks and if possible tries to fix the found issues. As you will see, most of these checks can already be executed within the Topobase Client or Administrator, but not all of them in one single place. And that's exactly the goal of this plug-in.

Requirements and Compatibility

The tool is implemented as a plug-in for the Topobase Administrator and it works with the official Topobase 2010 RTM version (7.00.41). The tool runs against any Topobase document, no matter which modules or extensions are applied. It also works against job-enabled and job-disabled documents.

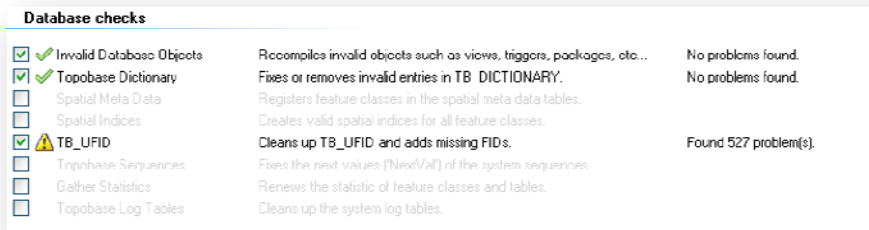
Database checks in detail

Invalid Database Objects	Recompiles invalid database objects such as views, triggers, etc...
Topobase Dictionary	Fixes or removes invalid entries in TB_DICTIONARY. The following attributes are checked: <ul style="list-style-type: none"> • TABLE_DOES_NOT_EXIST, • MODEL_F_CLASS_ID, • PARENT_F_CLASS_ID, • TOPIC_ID
Spatial Indices	Creates valid spatial indices for all feature classes.
Spatial Meta Data	Registers feature classes in the spatial meta data tables.
TB_UFID	Cleans up TB_UFID and adds missing FIDs.
Gather Statistics	Renews statistics older than one month for all feature classes and tables.
Topobase Log Tables	Cleans up the system log tables: <ul style="list-style-type: none"> • TB_DD_LOG, • TB_ERROR_LOG, • TB_OPERATION_LOG, • TB_SERVER_ERROR_LOG, • TB_VAL_RESULT
Topobase Sequences	Fixes the next values ('NextVal') of the system sequences.

Some of the checks can't fix their found issues. These checks are listed separately:

View Definition	Checks if the feature classes based on views are defined correctly. (FID and GEOM selected from the same feature class)
Geometry Validation	Validates the geometries in all feature classes. (note that geometries will not be fixed automatically)

Note that each database check can be de-activated:



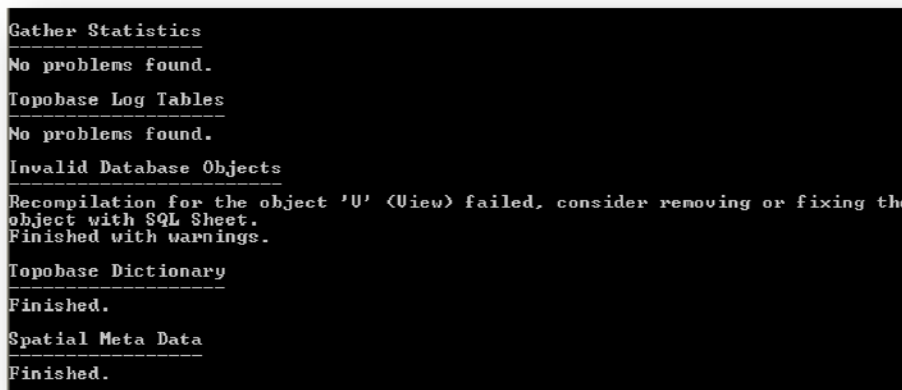
Batch mode

The 1-Click Maintenance can also be executed in batch mode. If you plan to analyze and fix your documents on a regular basis you can copy and paste the Topobase.DBMaintenance.Batch.xml file to your Administrator directory and adjust it appropriately (TBSYS and document properties).

To start the batch process, execute:

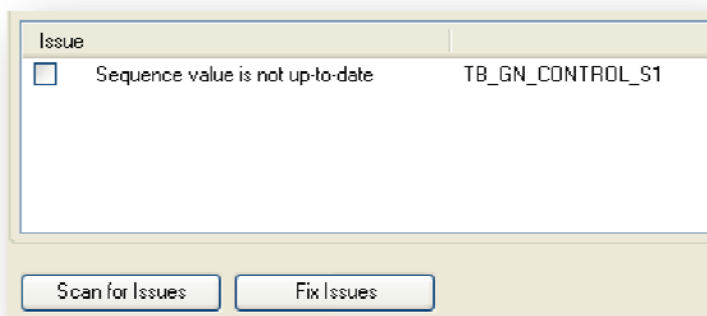
```
C:\Program Files\Autodesk Topobase Administrator 2010\bin>TBBatch.exe
configfile=Topobase.DBMaintenance.Batch.xml
```

Note that all the checks will be executed and the found issues will be fixed where possible. For additional information about the batch mode please read [this article](#).



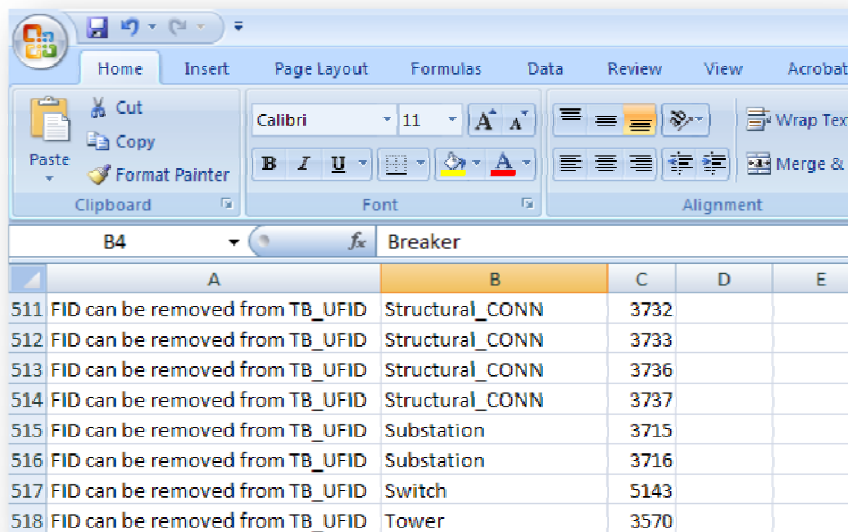
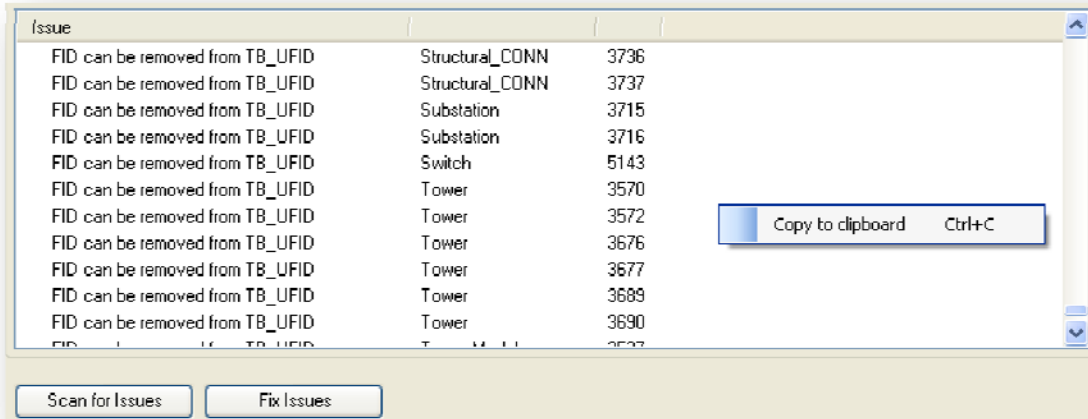
Ignore issues from fixing

Maybe you want to ignore some of the found issues. To prevent them from being fixed you can disable them individually in the result list. Just un-check the checkbox next to the issue:



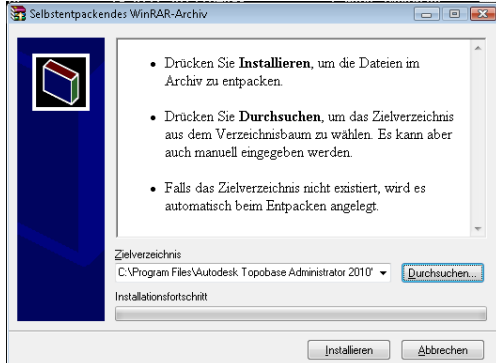
Copy & Paste results

If you want to document the issues you can copy and paste them to any other application. Right click in the list and press “Copy to clipboard” or just use the short key “Ctrl+C” within the list.



Installation

1. Start the self extracting archive Topobase.Insiders.DBMaintenance.exe
2. Select the Topobase Administrator 2010 “bin” directory as the target (e.g. C:\Program Files\Autodesk Topobase Administrator 2010\bin)



3. Start the Topobase Administrator 2010
4. Open a workspace with at least one document
5. Go to the “1-Click Maintenance” node under the document node
6. Hit “Scan for Issues” and later if necessary “Fix Issues”