

Project Description automation macro

V14 Version – 2020.2



Title: Project Description

By running this macro, you agree that Tatras Consulting Limited and/or the developer of this macro are NOT responsible for the output, results or any action that takes place as a result of running this macro or any associated files.

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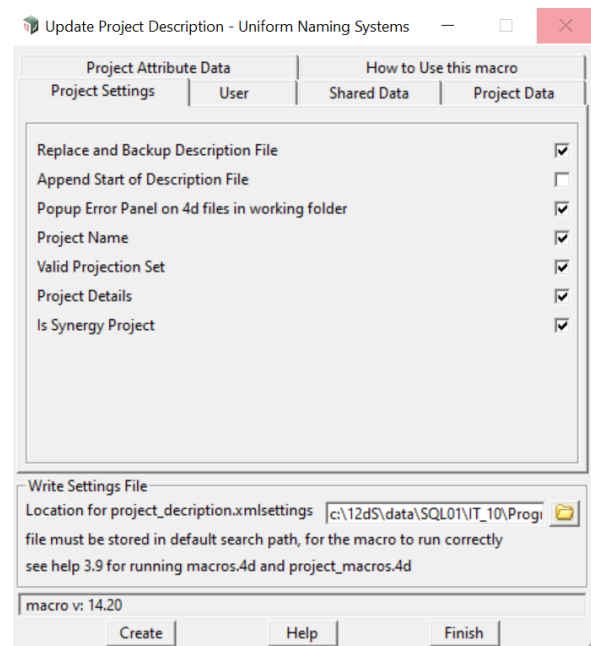
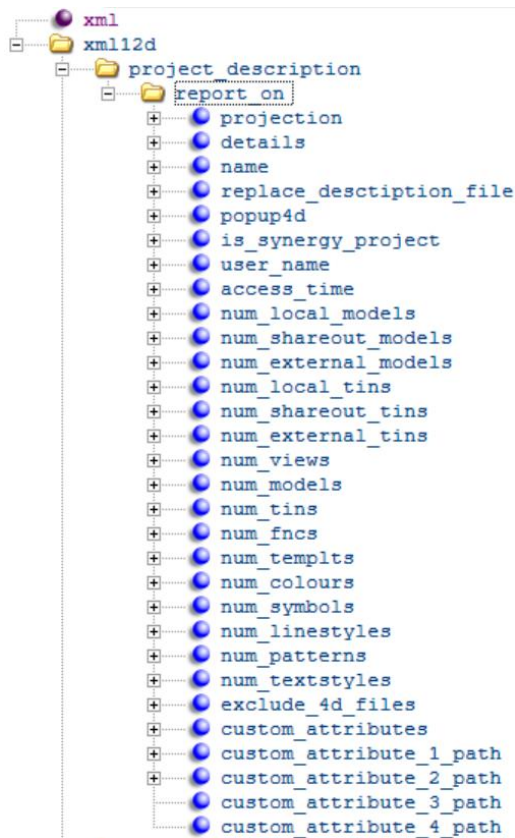
Purpose

12d Model project description file can be updated with project statistics each time the project is open. This information may be useful when reviewing history of the project, identifying changes such as the number of models, number of views and number of shares or missing project attributes.

There is no GUI for this macro, the intention is to run it via the `project_macros.4d` environment file.

Settings XML

An extensive list of settings is available to allow for flexibility to suit different users and organisations. Example XML file is provided with the macro, it can be viewed and modified with XML-Notepad. Each setting can be turned on with value '1' or off with value '0'. These settings can be generated via a panel, when the macro runs in interactive mode.



Replace and Backup Description File	<input checked="" type="checkbox"/>
Append Start of Description File	<input type="checkbox"/>
Popup Error Panel on 4d files in working folder	<input checked="" type="checkbox"/>
Project Name	<input checked="" type="checkbox"/>
Valid Projection Set	<input checked="" type="checkbox"/>
Project Details	<input checked="" type="checkbox"/>
Is Synergy Project	<input checked="" type="checkbox"/>

Where:

- Replace and Backup will copy-backup an existing Description file before update the file with new information
- Append Start of Description is keep adding information to the same file, with the latest being on top/start of the file
- Popup Error Panel on 4d files – any DDX and .4d files in the working folder could modify the project environment, if maintaining company standards is important an error panel can be displayed making user aware there are potential issues, such as symbols or linestyles
- Project Name – on/off
- Valid Projection Set – Geodetic projection of the project may be missing
- Project Details – Attributes can be reported automatically
- If the project is local or Synergy accessed

User Name	<input checked="" type="checkbox"/>
Open - time	<input checked="" type="checkbox"/>


Where:

- User name and last date/time project was opened

Number of Local Models	<input checked="" type="checkbox"/>
Number of Models Shared Out	<input checked="" type="checkbox"/>
Number of External Shared Models	<input checked="" type="checkbox"/>
Number of Local Tins	<input checked="" type="checkbox"/>
Number of Tins Shared Out	<input checked="" type="checkbox"/>
Number of External Shared Tins	<input checked="" type="checkbox"/>


Shared data stats can be turned on/off

Number of Views	<input checked="" type="checkbox"/>
Number of Models	<input checked="" type="checkbox"/>
Number of Tins	<input checked="" type="checkbox"/>
Number of Functions	<input checked="" type="checkbox"/>
Number of Templates	<input checked="" type="checkbox"/>
Number of Colours	<input type="checkbox"/>
Number of Symbols	<input checked="" type="checkbox"/>
Number of Linestyles	<input checked="" type="checkbox"/>
Number of Patterns	<input type="checkbox"/>
Number of Textstyles	<input type="checkbox"/>
Exclude 4d files list	<input type="checkbox"/>

backups.4d,mtf_panel_sizes.4 

Project stats can be reported, where Exclude 4d file list is used to avoid 'false' errors popping up on 4d files that do not impact the project.

Print Custom Attributes ☐

Project Attributes 

Additional Project attributes can be reported to the Project Description


This macro generates XML file specifying which settings should be reported as the Project Description. Project Description is stored inside the project folder and it is shown on Recent Projects or in Synergy.

Run this macro with single command line argument to generate the Project description file. Run it from macros.4d and project_macros.4d to update it every time a project is opened/created.

Run the macro without command line arguments to show this panel
To hide the panel, use command line argument RUN like this:
\$USER_4D\project_description.4do RUN

How to is provided in the interactive mode. [Create] button can be used to save the settings to an XML file.

Write Settings File

Location for project_decription.xmlsettings 

file must be stored in default search path, for the macro to run correctly
see help 3.9 for running macros.4d and project_macros.4d

macro v: 14.20

For more information, email us at
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