

Would-be PDM



Quick guide

Would-be PDM requires:

- Tortoisetsvn (<http://tortoisetsvn.net/>)
- CATIA
- A svn server (<https://www.visualsvn.com/> or other). Tortoisetsvn can be a server for himself but in this case you cannot use the svn tools made for the shared works

Why Would-be PDM?

I was looking for some tool to link CATIA with svn. I didn't find any. With my colleagues we wrote some macros.

Now I found that I needed a form to control and a database to describe and group CAD files...

I couldn't find so I decided to write myself what I needed.

Steps to play

- 1 Download and install tortoisetsvn (<http://tortoisetsvn.net/support.html>)
- 2 Create a svn repository in your svn server (we propose you to create a "CAD_001" project) (<https://www.visualsvn.com/server/getting-started/>)
- 3 Download the tool (<https://github.com/robertobartola/WouldBePDM>) and unzip it in your favorite folder
- 4 Add a Would-be PDM toolbar in CATIA
 - 4.1 add the macros in CATIA
 - 4.1.1 Tools\Macro\Macros (Alt + F8)
 - 4.1.2 Click «Macro libraries»
 - 4.1.3 Choose «Vba Projects»
 - 4.1.4 Click «Add existing library» and browse the unzipped file WouldBePDM.catvba
 - 4.1.5 Hit Close

4.1.6 Click «Macro libraries»

4.1.7 Choose «Directories»

4.1.8 Click «Add existing library» and browse adding the folder which contains «SVN Commit Active Document.catvbs», «SVN Lock Active Document_4_0.catvbs», «SVN Status Active Document.catvbs», «SVN UnLock Active Document_3_0.catvbs», «SVN Update Active Document_4_0.catvbs»

4.2 Add the toolbars:

4.2.1 You have 2 methods:

4.2.1.1 Replace your DefaultAttributesRepository.CATSettings; FrameConfig.CATSettings; FrameGeneral.CATSettings (you can find them in your CATIA settings folder – i.e.

C:\ProgramData\DassaultSystemes\CATEnv) with the ones in my CATSettings folder. **ATTENTION. This method will delete your settings!!!**

4.2.1.2 Create a new toolbar (Tools\Customize → toolbars\New) and add the buttons:

4.2.1.2.1 «SVN Commit Active Document.catvbs», «SVN Lock Active Document_4_0.catvbs», «SVN Status Active Document.catvbs», «SVN UnLock Active Document_3_0.catvbs», «SVN Update Active Document_4_0.catvbs» taken from the folder

4.2.1.2.2 Open The Macro menu (Alt + F8) and choose The library «WouldBePDM.catvba»

4.2.1.2.3 Add «Begin» and «Export_attributes_job» taken from WouldBePDM.catvba

4.2.1.2.4 Choose some icons to identify the different commands

5 Make the first checkout of the repository

5.1 Create a folder named «CAD_001» in «documents\WORK»

5.2 rightclick on the folder CAD_001 and click on «Svn Checkout» Checking out the URL of your svn server and the repository you created in step 2

6 Edit the project list (PRJList.xml)

6.1 You can edit the file through your preferred editor or you can use the excel tool «PDM_XML_IO_new.xlsm»

7 Place the CAD files in the folder ...\CAD_001\File_CAD\

8 Enjoy Would-be PDM