

# Would-be PDM

User instructions



# Would-be PDM - general



- This software was born to create a tool to manage CAD files and to join CAD with SVN technology
- SVN is used to manage the version and the history of the files
- The SVN tool choosed for Would-be PDM is tortoiseSVN (<https://tortoisesvn.net>)

# Would-be PDM - prerequisites

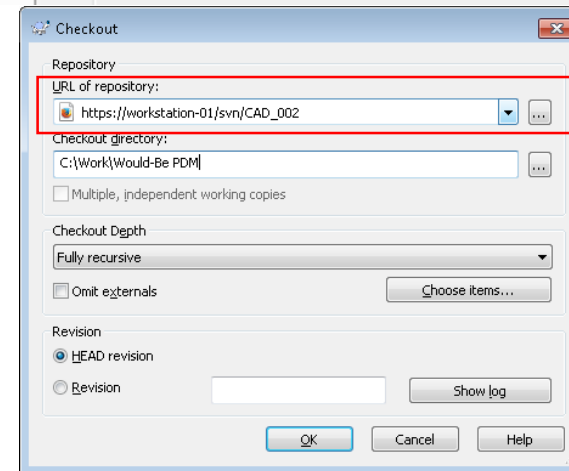
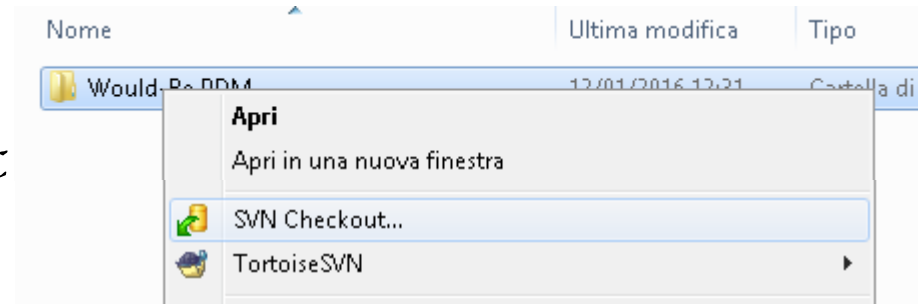


- We assume you already have:
- TortoiseSVN (<https://tortoisesvn.net>) installed
- A SVN server (if you work alone tortoisetsvn can do as server); we tested visualsvn server and it works fine (<https://www.visualsvn.com/server/>)
- A working folder
- Skills on CAD macros
- A lot of patience for our bugs

# Would-be PDM - install



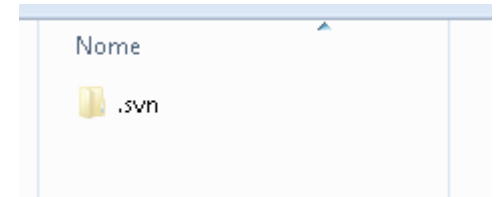
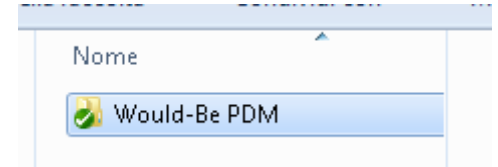
- Create the directory in the final disk (we suggest a local disk); i.e. C:\Work\Would-Be PDM
- Rightclick the directory
- Select SVN Checkout
- Select the SVN repository



# Would-be PDM - install



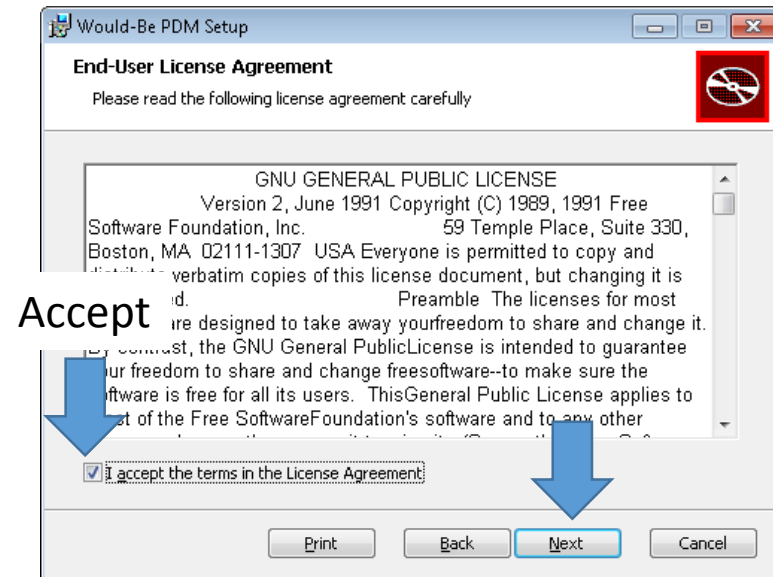
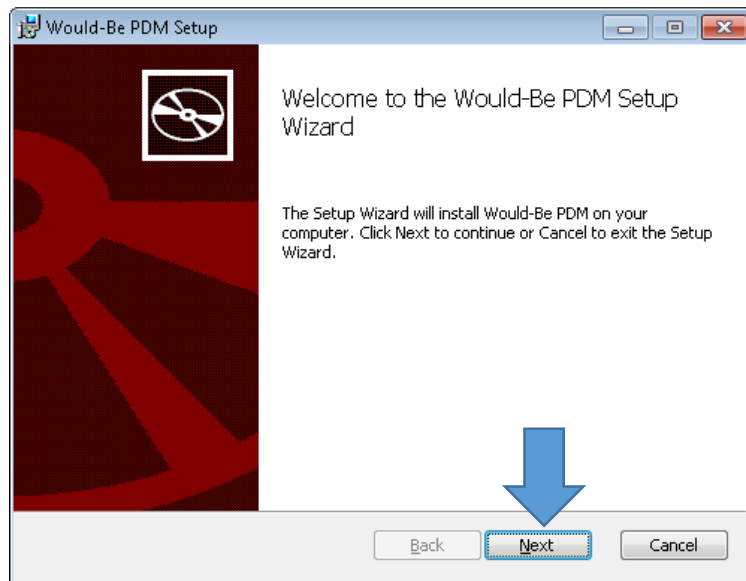
- Your directory appears like:
- it should be an empty dir with only one hidden subdir (.svn)
- Now you can install the software (Would-be PDM)



# Would-be PDM - install



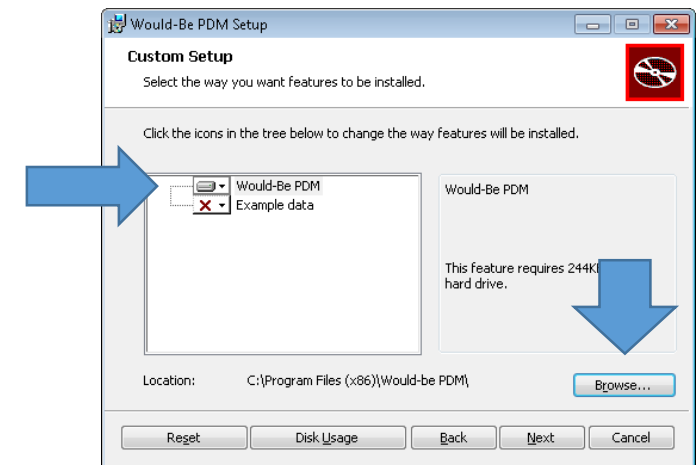
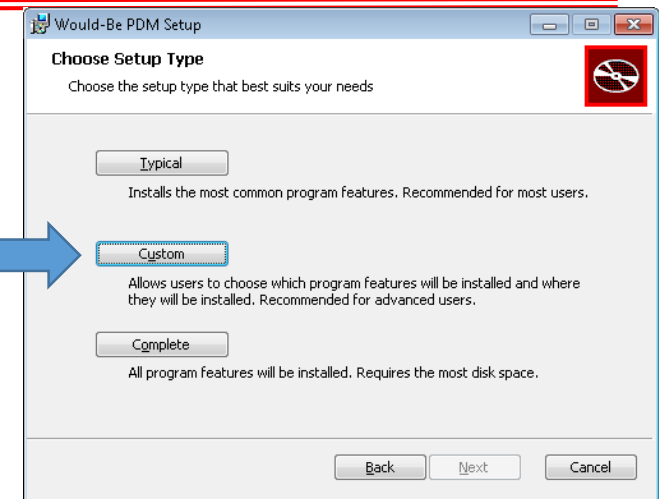
- Download the installer (Would-be\_installer.msi) from github (<https://github.com/robertobartola/WouldBePDM>)
- Run the installer



# Would-be PDM - install



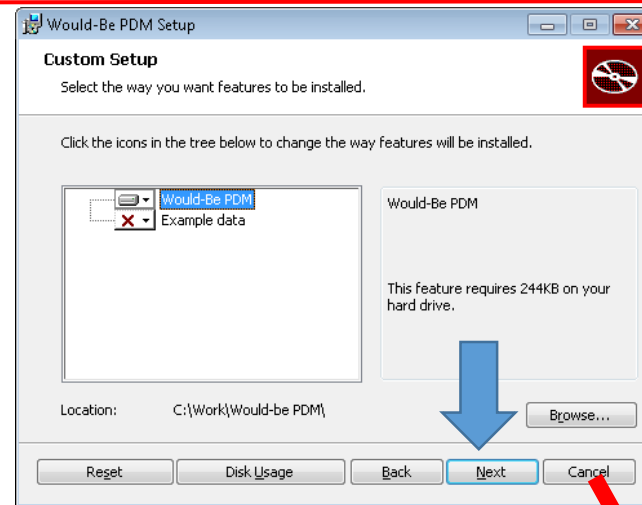
- Select «Custom» installation
- We suggest NOT to install the example data, yet. You can add them later
- Browse target dir and select the dir of page 5



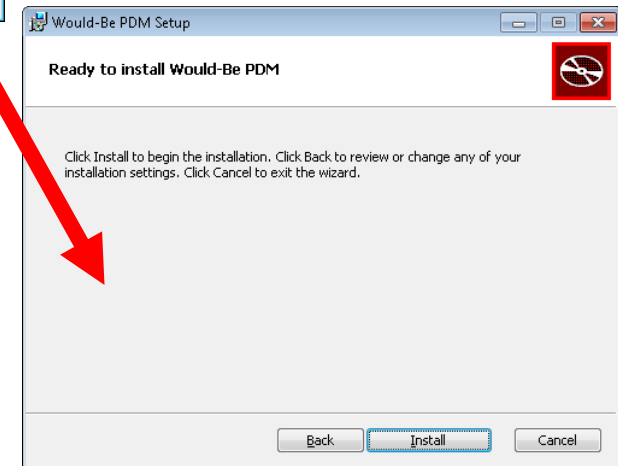
# Would-be PDM - install



- Click Next



- Click Install

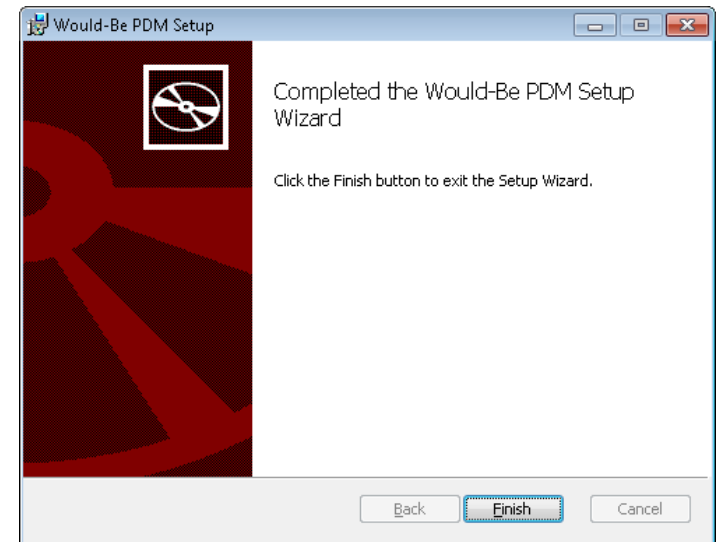
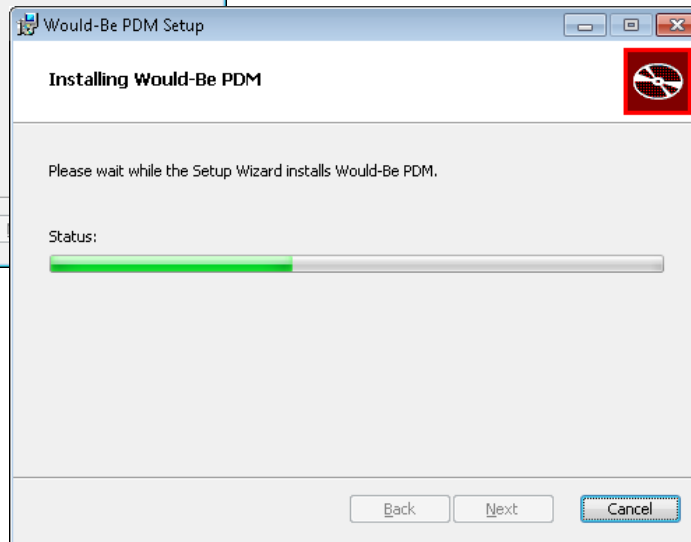
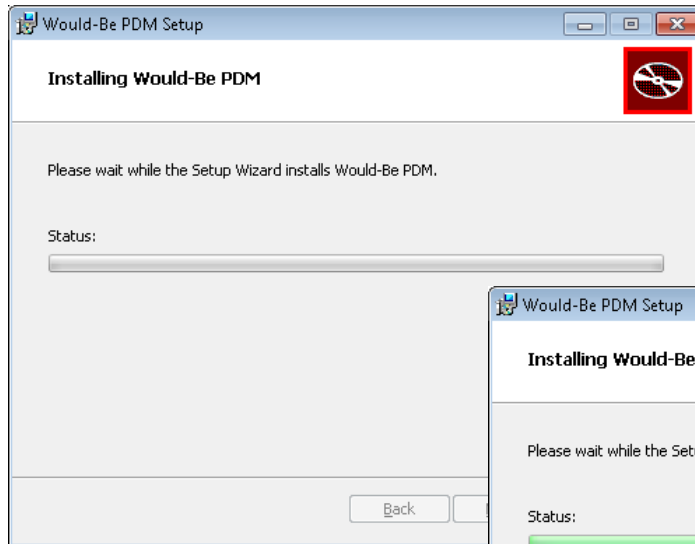




# Would-be PDM - install



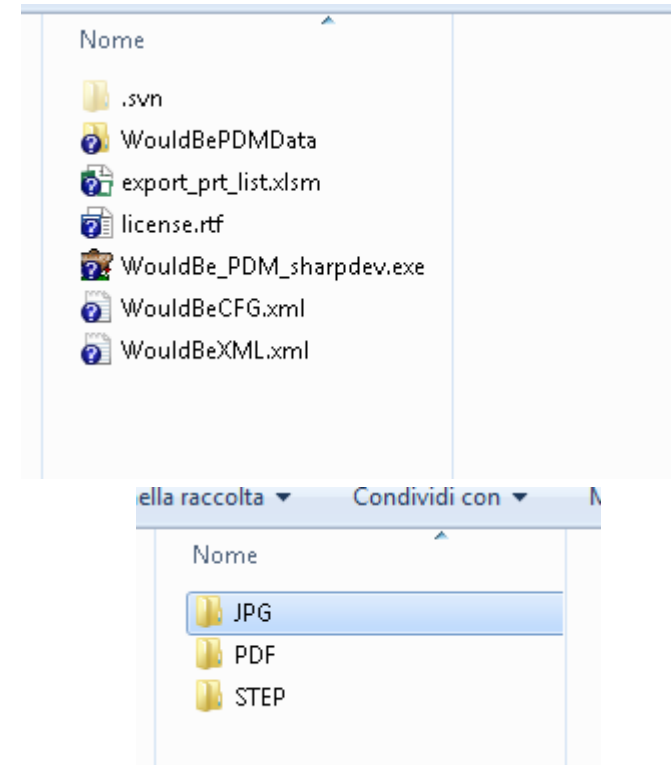
- Complete the installation



# Would-be PDM - install



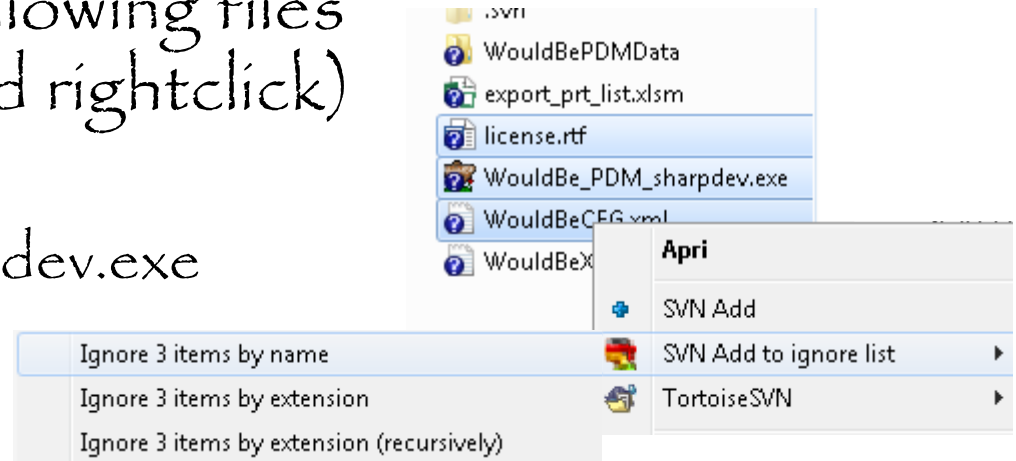
- You should get:
  - Directory WouldBePDMDData ~ the data directory
    - JPG ~ sub dir containing images
    - PDF ~ sub dir containing pdf drawings
    - STEP ~ sub dir containing 3D exported files
  - export\_prt\_list.xlsm ~ to create/edit your xml data base
  - license.rtf ~ GNU - GPL license
  - WouldBe\_PDM\_sharpdev.exe ~ the program
  - WouldBeCFG.xml ~ the configuration file
  - WouldBeXML.xml ~ the XML data base



# Would-be PDM - install



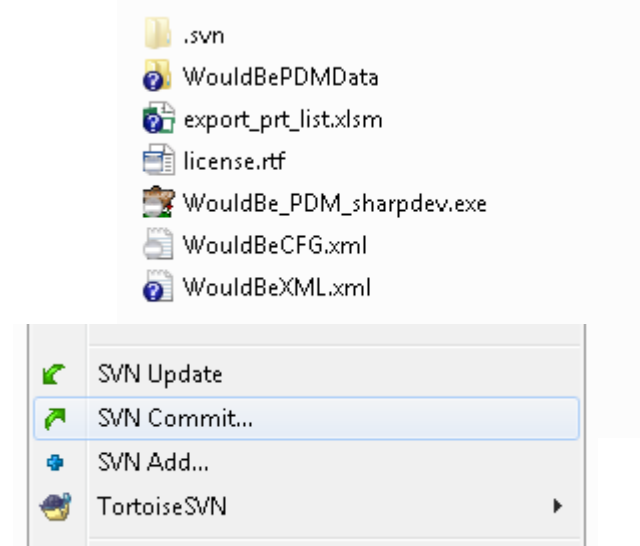
- Add to ignore list the following files (select hitting ctrl key and rightclick)
  - license.rtf
  - WouldBe\_PDM\_sharpdev.exe
  - WouldBeCFG.xml



# Would-be PDM - install



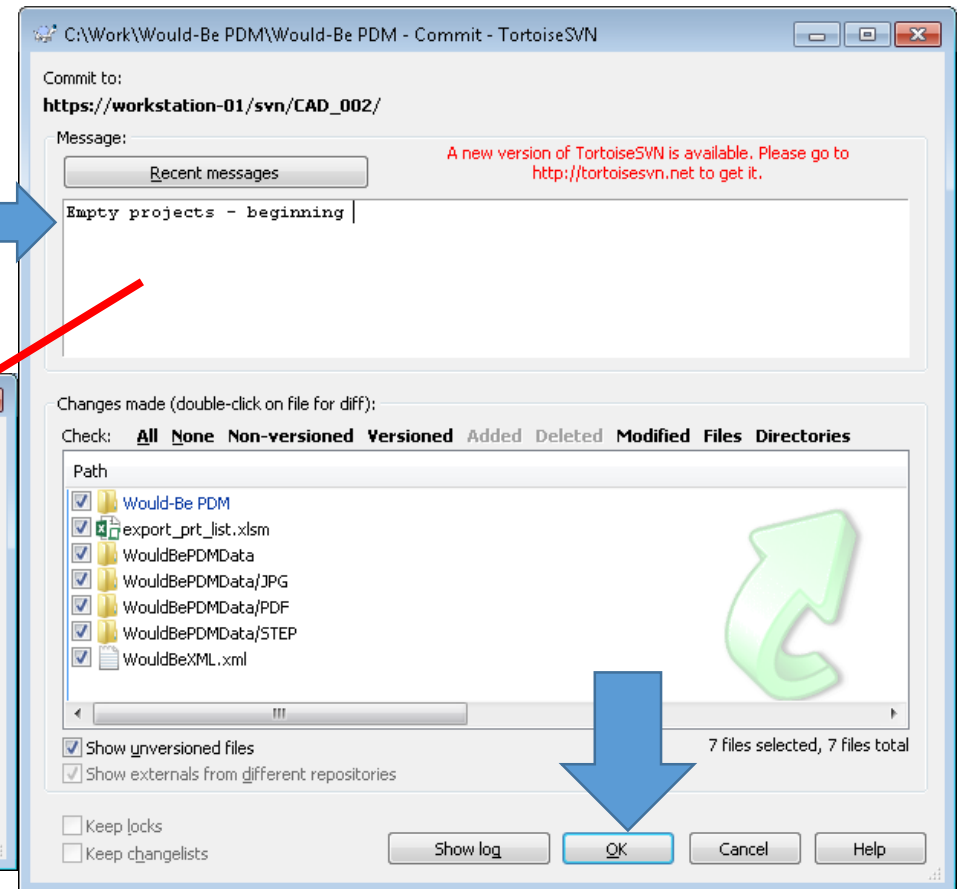
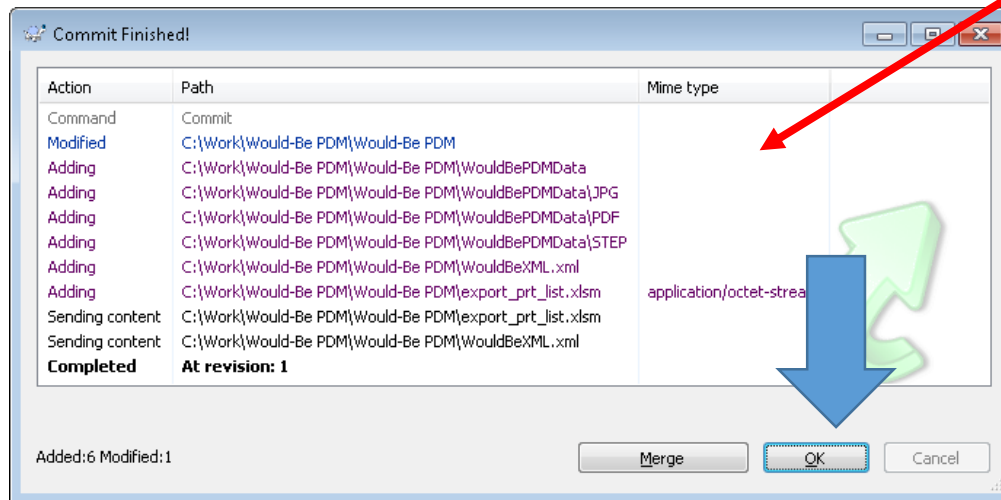
- Right click on the white space and select SVN Commit...



# Would-be PDM - install



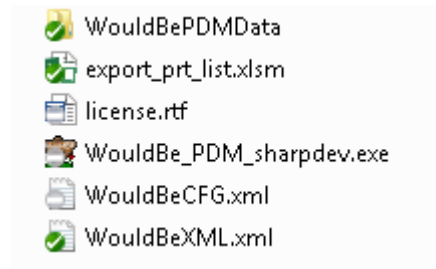
- Add a message and click OK
- And OK



# Would-be PDM - install



- You get:



- And sub dir:

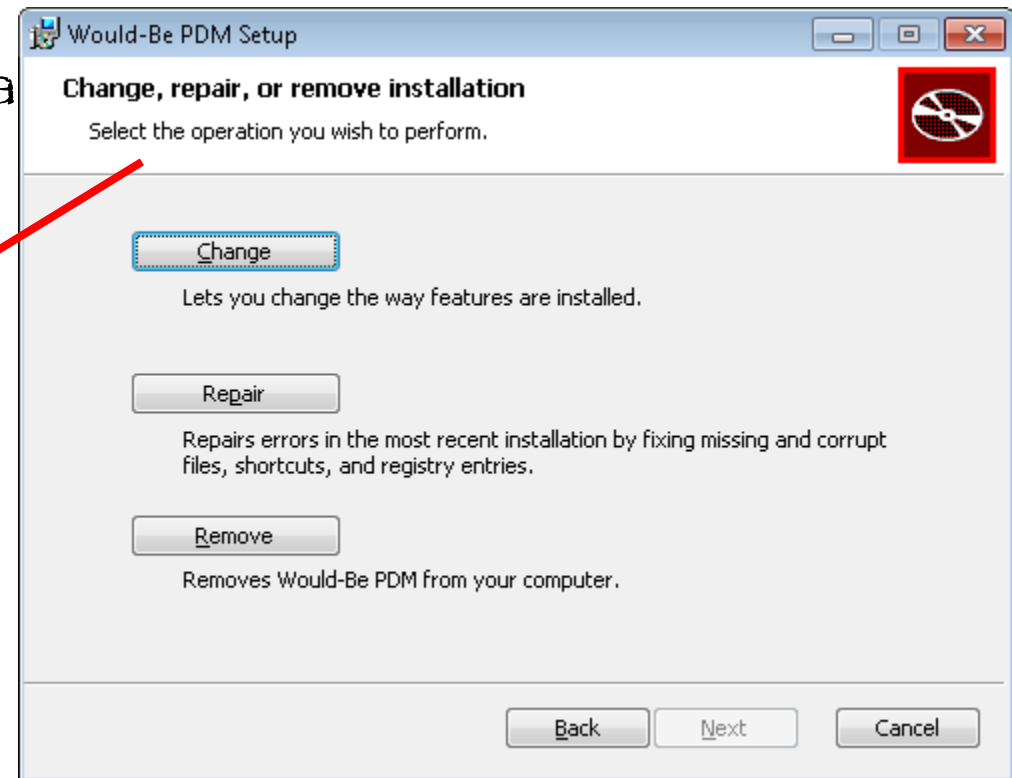
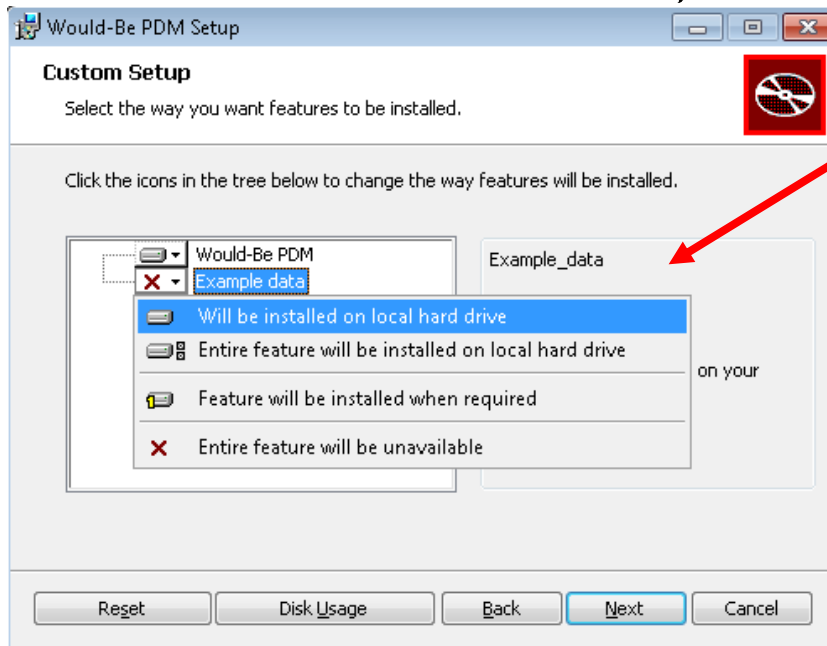


- If you don't need sample files skip next pages and jump to page 18

# Would-be PDM – the samples



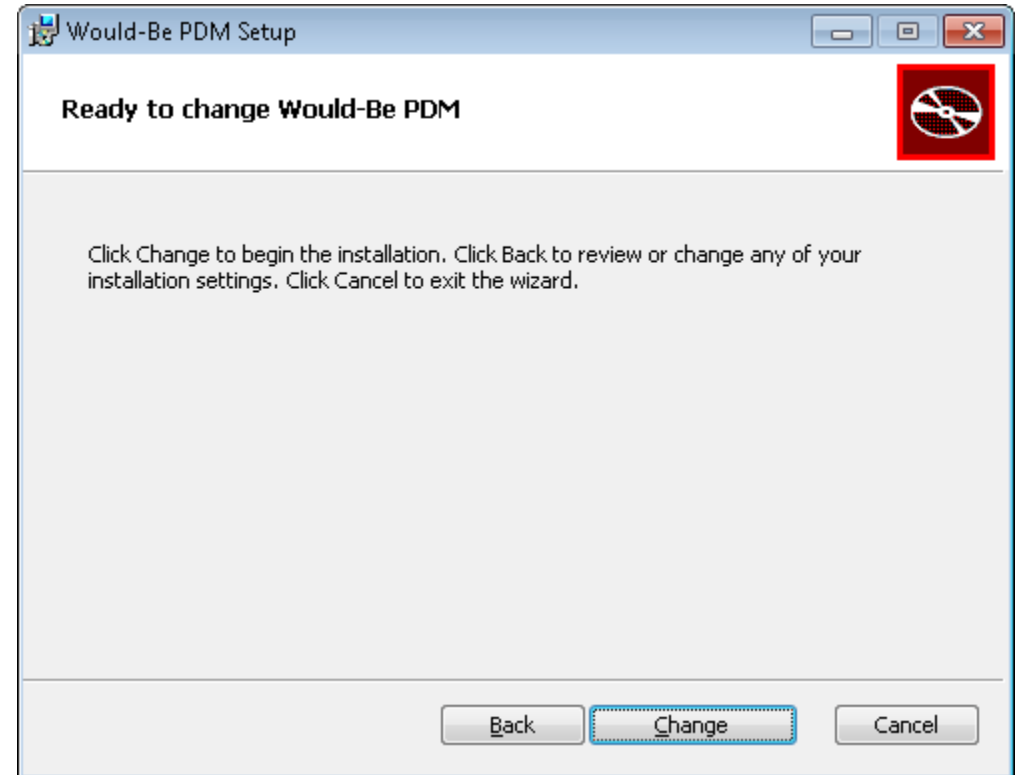
- If you want to add sample files run the installer again and select Change
- Select The Example data



# Would-be PDM - the samples



- Click Next
- Click Change
- Click OK

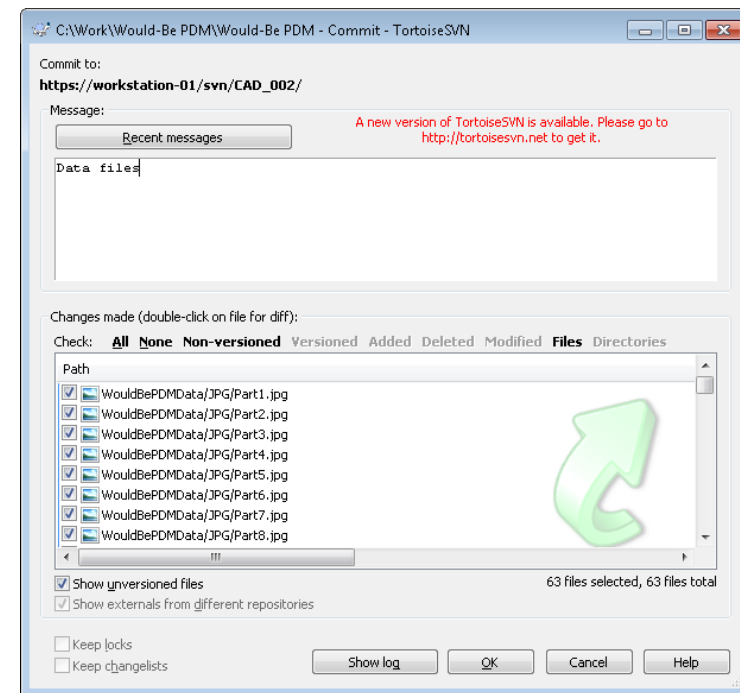
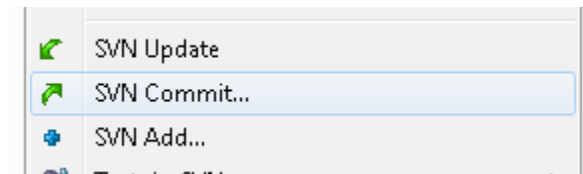




# Would-be PDM - the samples



- Now Commit all the files by right click
- Select SVN Commit...
- Select All
- Write the message
- Click OK



# Would-be PDM - install



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- Now you can play with Would-be PDM.
  - Please remember to commit the files once they are OK

# Would-be PDM – the software



- You find 2 tabs (the Debug is temporary tab):
- PDM – to select and manage the files
- Config – to configure your settings

The screenshot displays the 'Would-be PDM' application window with the 'PDM' tab selected. The interface is organized into several sections:

- Top Section:** Contains four main configuration areas: 'Family' (with a 'Select a Family' dropdown and a 'Modify' button), 'Project' (with a 'Select a Project' dropdown, 'Project Code' field, and 'Status' field with a 'Modify' button), 'Product' (with a 'Select a Product' dropdown, 'Status' field, 'Drawing' field, 'Drawing Rev' field, 'Drawing Date' field, and 'Drawing filename' field with a 'Modify' button), and 'Component' (with a 'Select a Component' dropdown). Below these are buttons for 'CAD dir', 'PDF dir', and 'STEP dir', and a 'Would-Be PDM Info' button.
- Component attributes Table:** A table with columns: CODE, Name, Status, Rev, Date, Designer, Weight, Material, Thermal Treatment, Coating, and Supplier. The 'Where Used' column is currently empty.
- File Management Section:** Divided into four quadrants for different file types: '3D - CAD file', '2D - CAD file', '3D - STEP file', and '2D - PDF file'. Each quadrant includes an 'OpenFile' button, a 'CheckOut' button (labeled '3D', '2D', 'Step', or 'pdf'), and a 'Where Used' or 'Generate' button.
- Launch CAD Section:** Located on the right, it includes buttons for 'CATIA TOP', 'CATIA LOW', 'UG TOP', and 'UG LOW'.
- Picture Placeholder:** A large empty box on the bottom right labeled 'picture'.

# Would-be PDM – the software

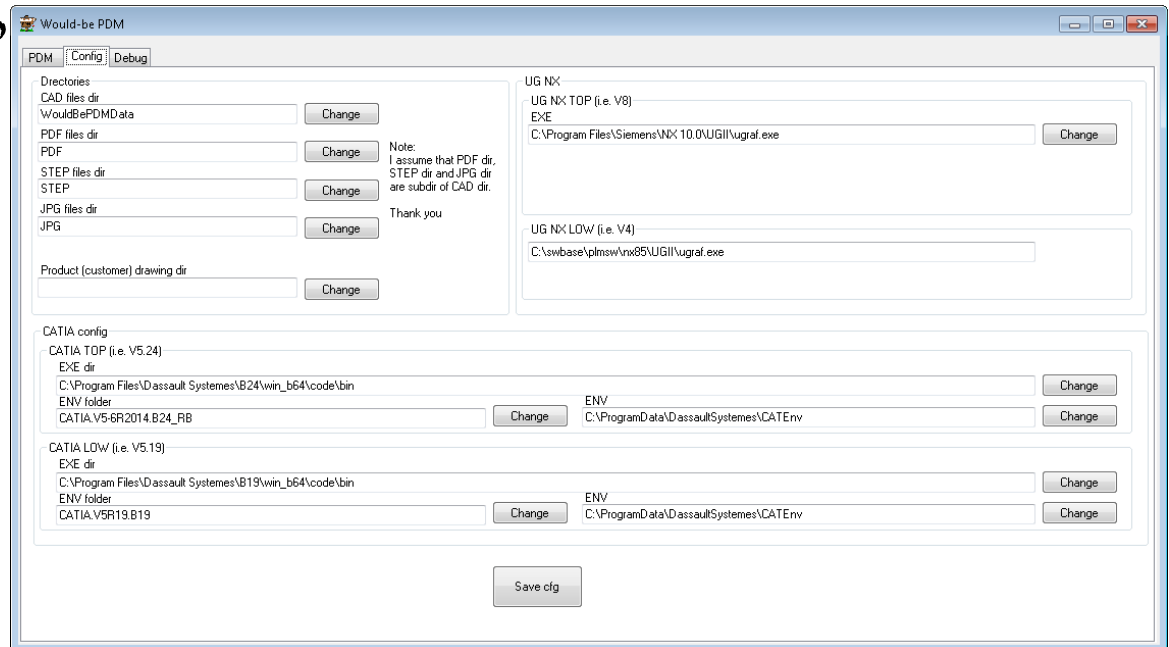


- You can select Family -> Project -> Product -> Component
- For each step you can have some property shown
- Possible will appear step by step

# Would-be PDM – the software



- With Config tab you could customize your directories and the CAD exe and environment files
- If WouldBeCFG.xml does not exist you can create it by clicking Save cfg



Would-be PDM – the software



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Thank you and  
Enjoy while using

Would-be PDM

Roberto