

CMB Modelbuilder Install Instructions for Windows

The CMB modelbuilder application can be used to create Truchas input files from data entered in form-style attribute panels.

Install

The Windows version of modelbuilder is distributed as a zip file. There is no installer program; you only unzip the file to a convenient location in your user area.

Before running modelbuilder, it is recommended that you also create a projects root folder for modelbuilder projects that you will create.

Run

The modelbuilder.exe program is in the "bin" subfolder. You can create a shortcut to it on your desktop, if desired.

The first time you run modelbuilder.exe, your system might display a blue popup with the title "Windows protected your PC". This because our packages are not signed with MicroSoft. You can proceed to run modelbuilder by clicking the "More Info" link, which brings up a "Run anyway" button.

Plugin Setup

The first time you run modelbuilder, the plugins used for Truchas might not be loaded. Use these steps to update the application to auto-load two plugins: smtkProjectManagerPlugin and smtkTruchasPlugin.

- In the "Tools" menu, select "Manage Plugins...", which brings up a dialog with two panels labeled "Remote Plugins" (which should be empty) and "Local PLugins".
- In the "Local Plugins" panel, look in the list for "smtkProjectManagerPlugin" and expand it by clicking the arrow to its left. In the expanded section, check the box labeled "Auto Load".
- In the same way, look in the list for "smtkTruchasPlugin" and expand it by clicking the arrow to its left. In the expanded section, check the box labeled "Auto Load".
- Close the panel, then close the application and restart. On restart, the "Project" menu should now be visible.

If either of the plugins are not shown in the panel, you might have to use the "Load New..." button to navigate to the plugin dll file in the package. The dll files can be found under the install "bin" directory, at the path bin/smtk-3.3.0/*.

Settings Setup

Before using modelbuilder to create and use Truchas projects, you also need to set an item in the application settings that specifies the locations of the installed Truchas "workflows" folder:

- From the application's "Edit" menu, select the "Settings..." item to open the "Settings" dialog.
- In the dialog, select the tab labeled "Sim Pre-processing".
- Near the bottom of the tab is an item labeled "Workflows Folder". Set this to the "share/workflows/Truchas" folder in the unzipped modelbuilder package.