Safety Analysis plug-in
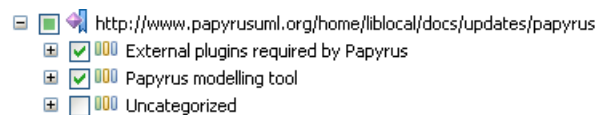
Contents
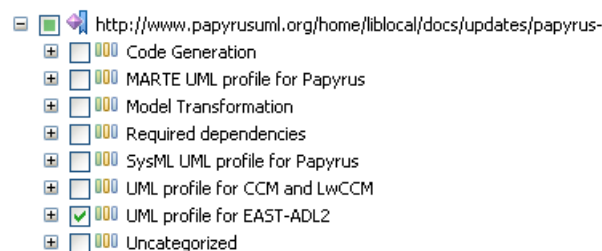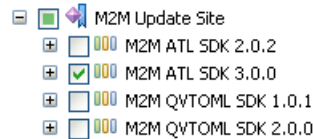
1 Installation

1. **HiP-HOPS** - Automated Fault Tree, FMEA and Optimisation Tool Version 2.0, see ATESST2 SVN:
   `https://www-svn-east-adl.cea.fr/svn/WP3/3.2/HiPHOPS_installation_files`

2. **Eclipse 3.5 Modeling** This plug-in has been tested with Eclipse 3.5 Modeling on Windows (XP/Vista/Windows 7).

3. **Modeling Workflow Engine (MWE)** `http://www.eclipse.org/modeling/emft/?project=mwe`

4. **Xpand Transformation Language** `http://www.eclipse.org/modeling/m2t/?project=xpand`

5. **Papyrus** `http://www.papyrusuml.org`
   Update site available at:
   `http://www.papyrusuml.org/home/liblocal/docs/updates/papyrus`
   Parts to install is: External plugins required by Papyrus, Papyrus modeling tool.

6. **Papyrus for EAST-ADL** `http://www.papyrusuml.org`
   Update site available at:
   `http://www.papyrusuml.org/home/liblocal/docs/updates/papyrus-extensions`
   Parts to install: UML profile for EAST-ADL2.

7. **ATL 3** which should be available from "Help → Software Updates…" and then the tab "Available Software" under "M2M → M2M ATL SDK 3". Otherwise ATL can be found at `http://www.eclipse.org/m2m/atl/`

8. **How to install an Eclipse plug-in** This part describes how to add a new update site and install from it. In the menu bar press "Help" → "Software Updates..." a new window opens. Make sure that the tab "Available Software" is selected.
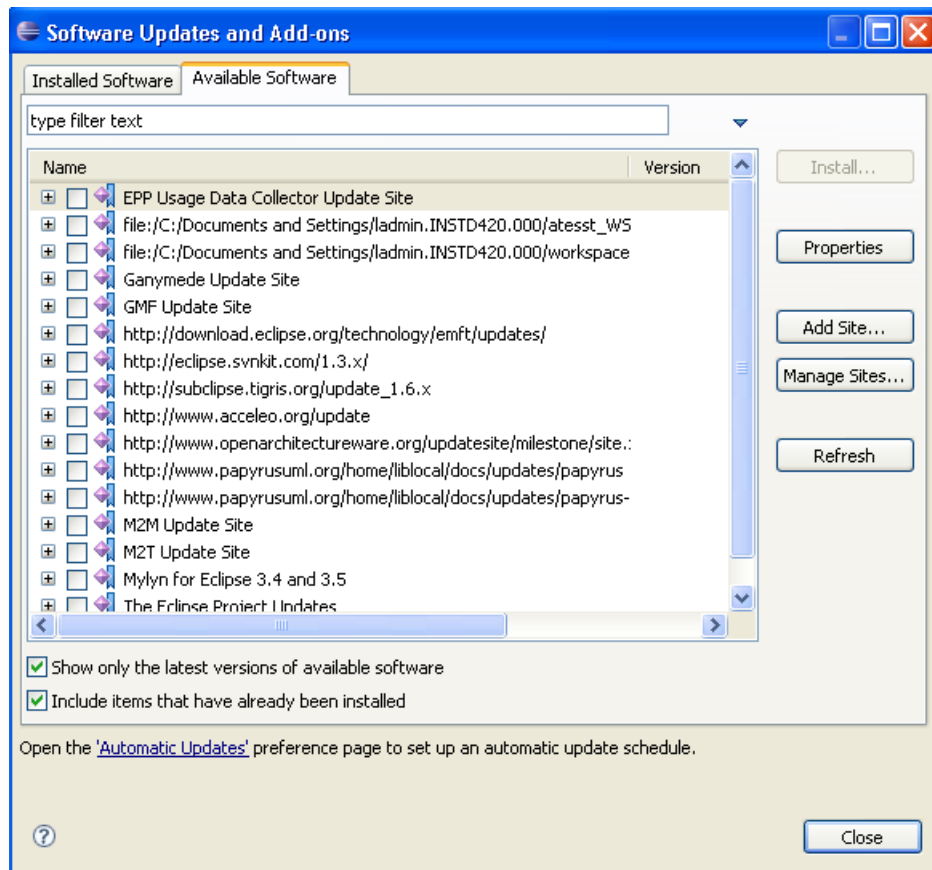

Figure 1: The new window looks something like this.

Press "Add Site..." and another window opens. Enter the address to the update site (`http://www.md.kth.se/~biehl/east-adl/safetyanalysisplugin/`) and press "Ok". This site has now been added to the "Available Software" list. Expand the added site and select the "Safety Analysis Plug-In". Then press "Install..." and follow the instruction on the screen.

9. **Configuration** In your home directory (usually `C: Documents and Settings accountname`) create a new file named `pathToHiphopFolder.config`. Open the file in Notepad and write `HHpath TAB PATH`, where TAB is the tabulator key and PATH is the path to the HipHOPS executable. The content of the file could be for example:
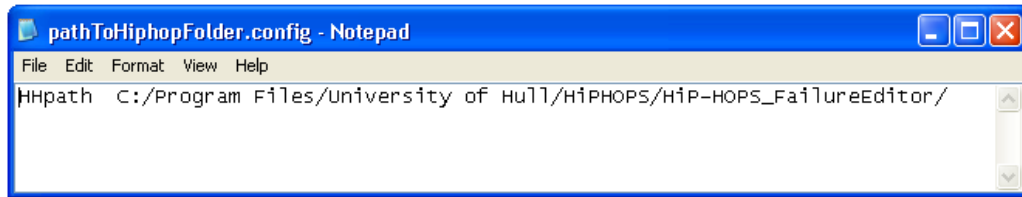
Figure 2: Example of how the content of the file could look like

2 Usage

- After Installation, restart Eclipse.

- Create a new project in Eclipse, import the example files as a new project.

- Right click on the *.uml file. In the context menu there will be an entry *Start Safety Analysis in HiP-HOPS, click on it.*

- *Internet Explorer will be started with a site showing the results of safety analysis. Unblock the security warnings in IE to explore the analysis data.*