Model-based Software Engineering for/with Petri Nets

Installing Eclipse, the ePNK, and EMF

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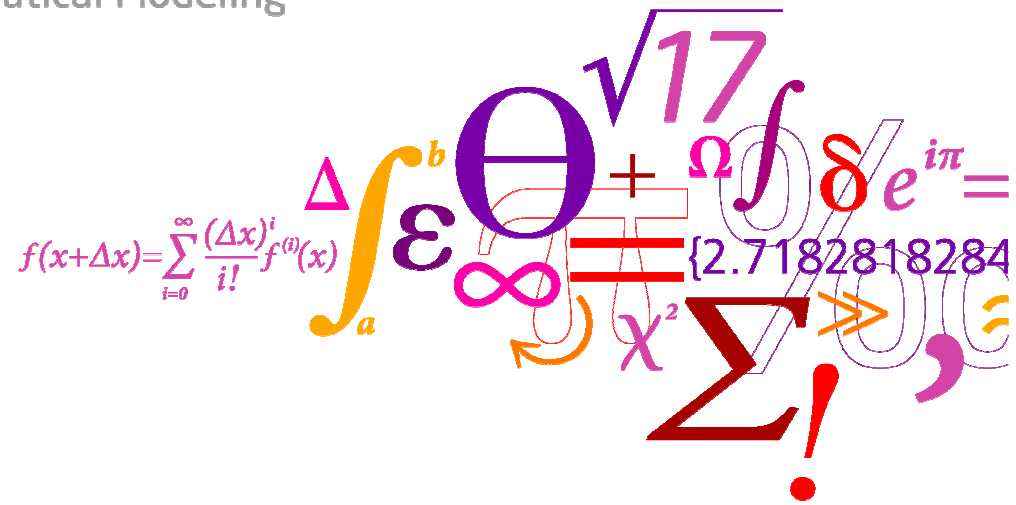
Note: If you use Windows, you do not follow through this, you can just download a pre-configured eclipse installation from …



Download Eclipse

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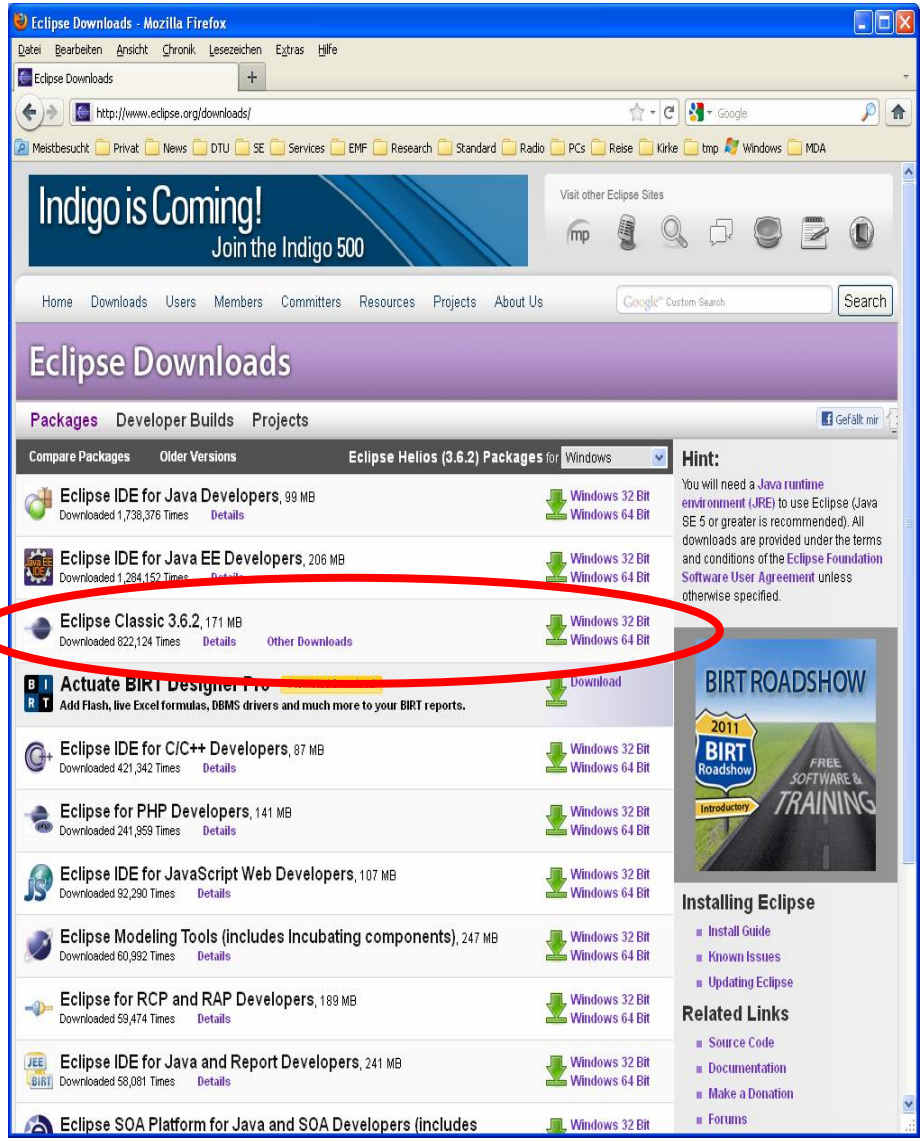

- You should have a Java 6 JRE installed before you can install eclipse
- Download “Eclipse Classic 3.6.2” for your platform from http://www.eclipse.org/downloads/
- Extract the downloaded file to whichever location you want eclipse to be installed on your computer
- In the extracted structure, there will be a folder “eclipse” on the top level. This folder contains an executable file “eclipse” (e.g. “eclipse.exe” on the Windows platform); start it for starting eclipse

First start

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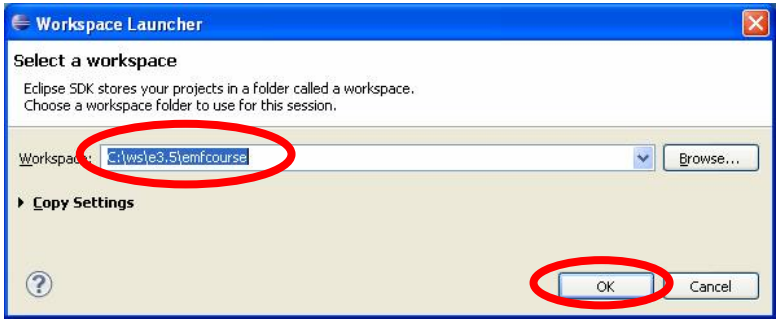
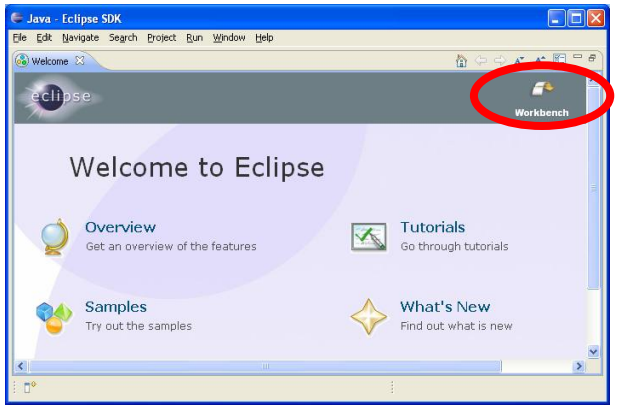
- At the first start of eclipse, you will be asked for a directory for the eclipse workspace (the place were all your eclipse projects will be stored)

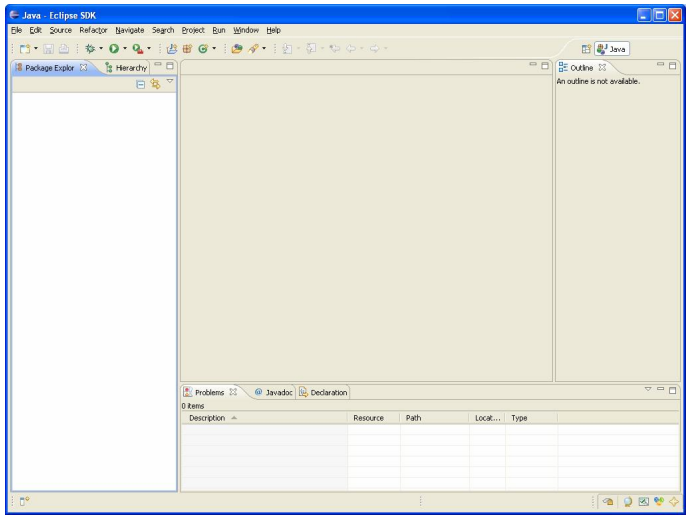


- Choos one (on Windows platforms, make sure that the path is not to long!)

- Then, eclipse will look like



- after a click on ”workbench”



Adding the ePNK update site

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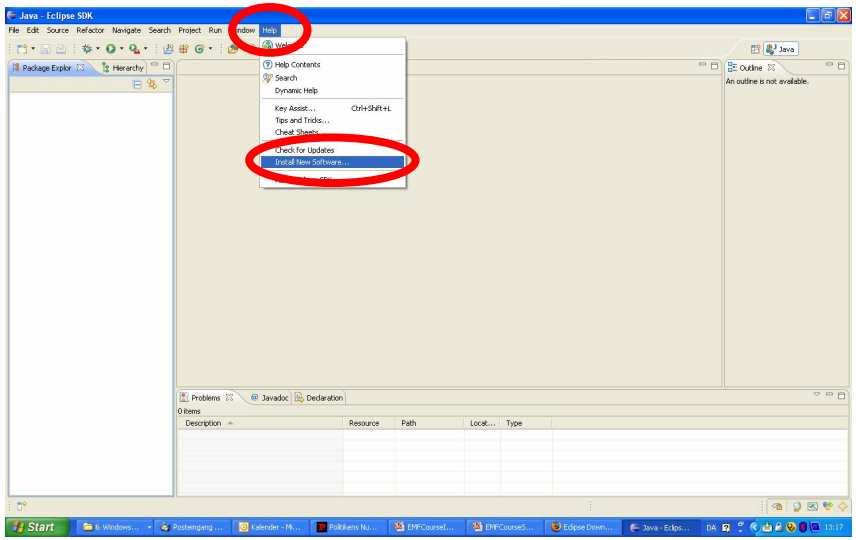
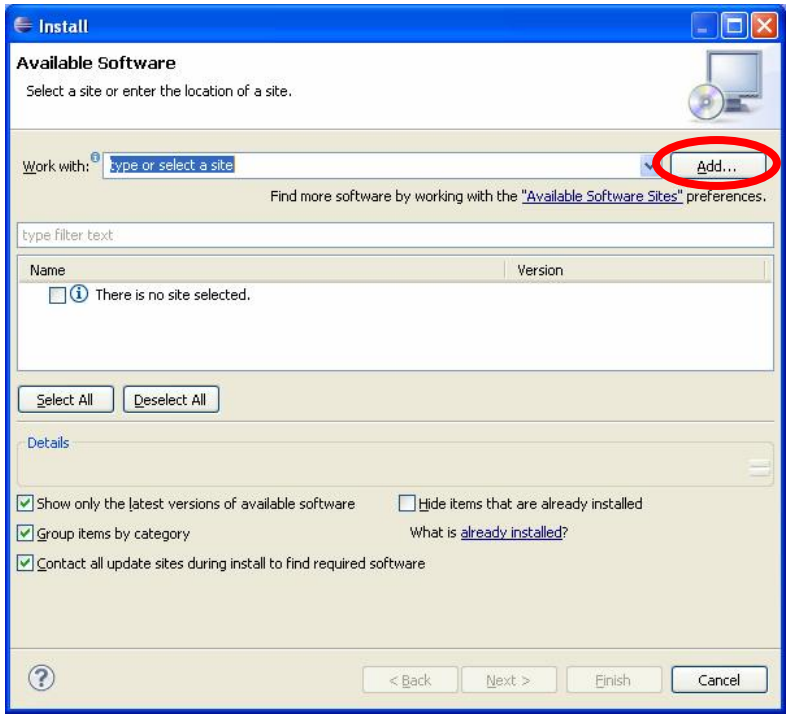
- Next, we install the ePNK
- To do this select
  Help→Install New Software…

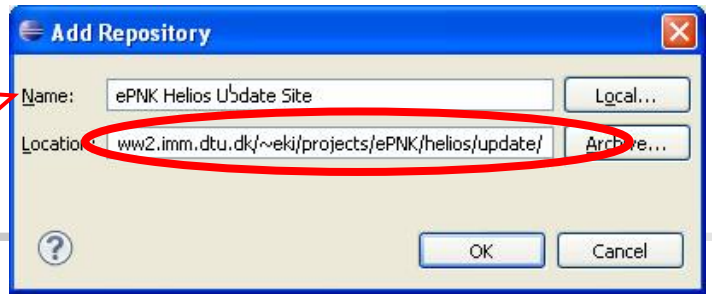




- Add the ePNK update site as Location: http://www2.imm.dtu.dk/~eki/projects/ePNK/helios/update/

- Then, the following Install dialog will open

As Name, you can chose anything you want (and can remember)!



Installing the ePNK

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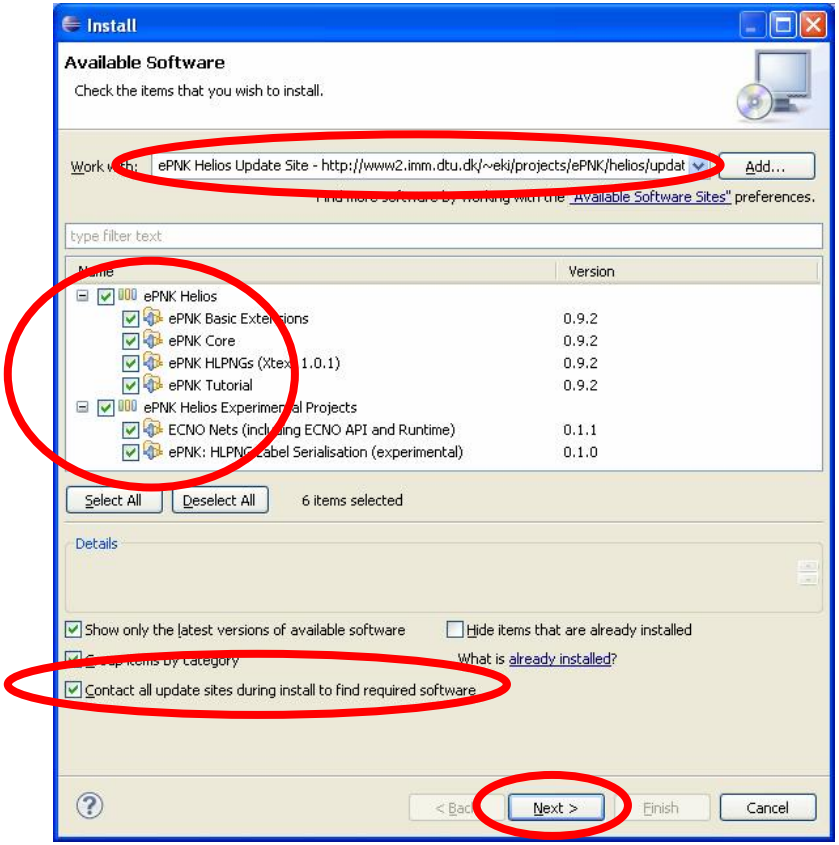
- In the still open Install dialog, select the ePNK update site now



- select all the ePNK features you want (minimum is “ePNK Core”),
- make sure that you have checked the “Contact all update sites during install to find required software” ,
- and follow through the installation dialogs:
  - don’t forget to accept the licence agreement
  - it is a good idea to restart eclipse after the install (you will be prompted for that after the installation)

Creating projects and nets

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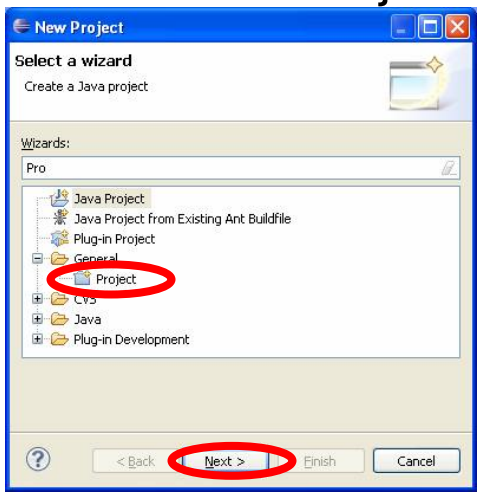
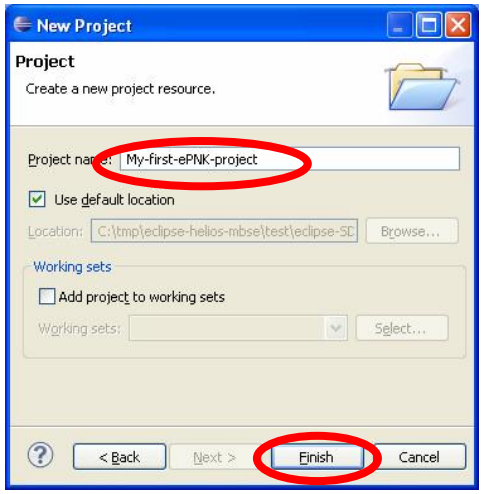
- In order to create some first examples, you need to create a new project: Select File→New→Project

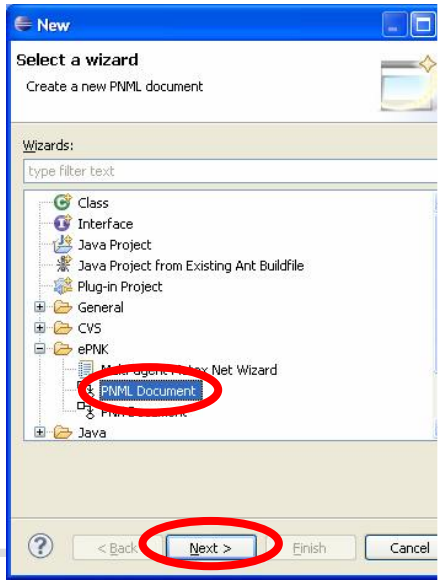


- In the opened "New Project" wizard, select "Project" in category "General"

- give the project a name, and finish



- In this project, you can now create a PNML document with File→New→ Other…



Using the ePNK

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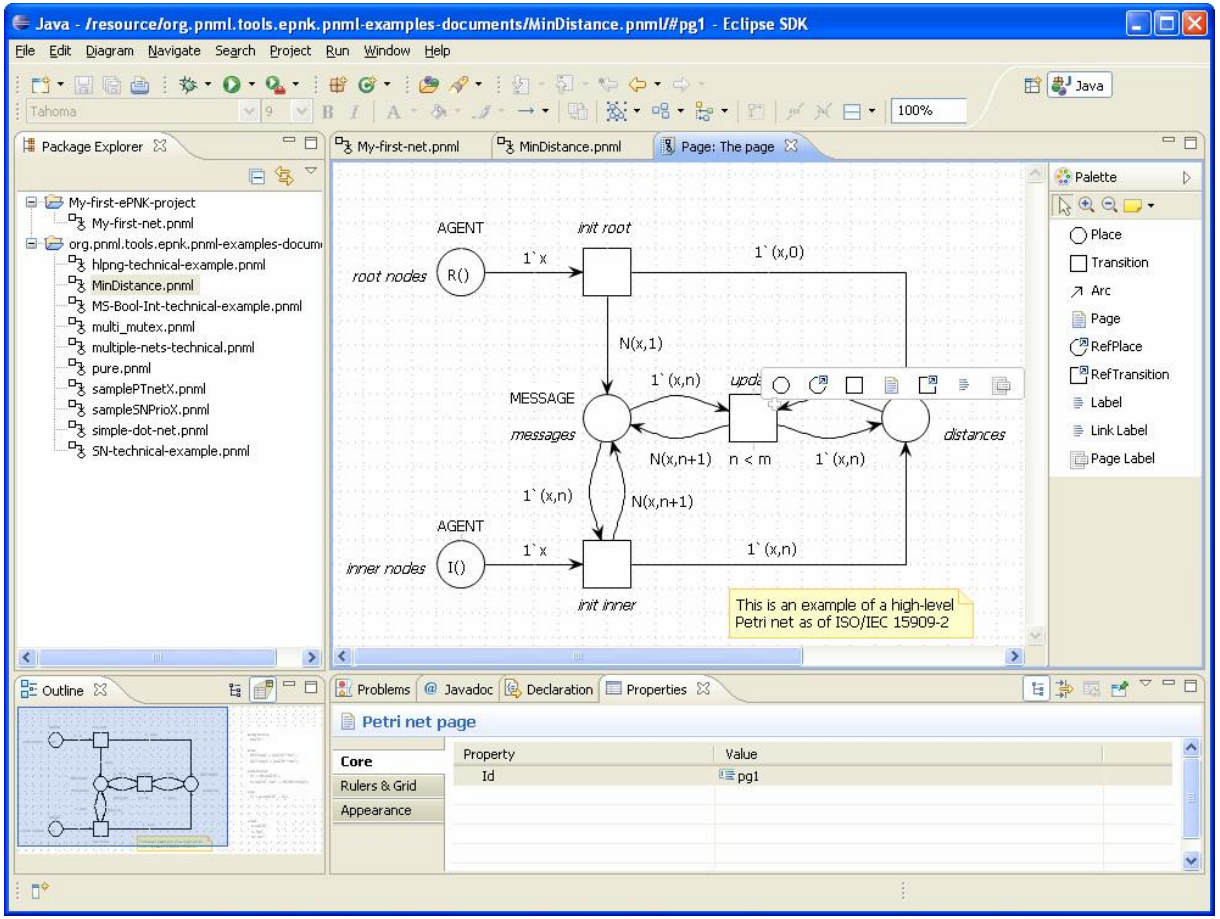
- For details on using the ePNK, we refer to the ePNK Manual (see links in lecture notes or on the ePNK web page)

- From this site, you can also obtain some PNML example files, which you can import with the eclipse import project feature



Developing with the ePNK

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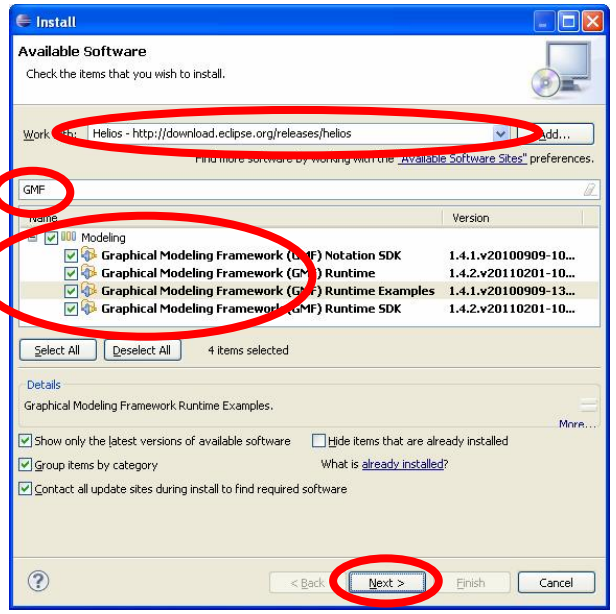
- If you want to develop extensions for the ePNK and use EMF, you need to install some extra features that support this developement:
  - Graphical Modeling Framework (EMF will then be installed automatically as a prerquiste)
  - Ecore Tools SDK



- This can be installed via Help→Install New Software… from the standard Helios update site
  (filtering for “GMF” resp. “Eco” narrows down the long list)