

It seems that it's impossible to create a RAP application involving EMF model and RAP e4 ui. Using Parsley Target platform EMF model is possible but e4 ui not.

Using Rap Target Platform ui is ok but EMF model is impossible.

Step 1 :

Install eclipse-modeling-2019-09-R-win32-x86_64.zip

Step 2 :

Install Rap tools :

1. Help -> Install New Software ...
2. select the main Eclipse Update site
3. expand category "Web, XML, Java EE and OSGi Enterprise Development"
4. select "RAP Tools" and complete the installation, restarting the IDE at the end
5. after IDE restarts just close the Welcome page

Step 3 :

Setup the EMF Parsley RAP Target Platform

After having installed EMF Parsley as described [here](#) and created a new workspace, you can setup the EMF Parsley RAP Target Platform in the following way:

1. File -> New... -> Example...
2. from Category "EMF Parsley Examples", select "EMF Parsley RAP Target Platform Example"
3. press Next and Finish
4. open the Target Definition file **emf-parsely-rap.target**
5. wait until the "Resolving Target Definition" job is done (check the status bar)
6. when finished, click on hyperlink "Set as Target Platform"

If you use the RAP Platform here : <https://www.eclipse.org/rap/developers-guide/devguide.php?topic=target-install.html&version=3.10> The future problems will be different but still impossible to develop an application using EMF and E4 features for the GUI.

Step 4 :

Create an EMF Model : here use Model_BUG in the Zip file.

Step 5 :

Create a plug_in project using a RAP e4 template.

Workspace_bug - org.eclipse.emf.parsley.examples.rap.targetplatform/emf-parsely-**rap.target** - Eclipse IDE

File Edit Navigate Search Project Run Window Help



Model Explorer

type filter text

- > Model_BUG
- > Model_BUG.edit
- > org.eclipse.emf.parsley.examples.rap.targetplatform
 - > META-INF
 - build.properties
 - emf-parsely-**rap.target**

model_BUG model_BUG.genmodel emf-parsely-**rap.target**

Target Definition

Target Name

EMF Parsley RAP

Locations

The following list of locations will be used to collect plug-ins for this target definition.

- <http://download.eclipse.org/emf-parsley/rt>
- <http://download.eclipse.org/releases/2018-09/>

☐ Show location content

Workspace_bug - org.eclipse.emf.parsley.examples.rap.targetplatform/emf-parsely-**rap.target** - Eclipse IDE

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model_BUG model_BUG.genmodel emf-parsely-**rap.target**

Target Definition

Target Name

EMF Parsley RAP

Locations

The following list of locations will be used to collect plug-ins for this target definition.

- <http://download.eclipse.org/emf-parsley/rt>
 - EMF Parsley CDO RAP SDK
 - EMF Parsley CDO RAP SDK
 - EMF Parsley RAP SDK 1.8.0
 - EMF Parsley RAP SDK Development
- <http://download.eclipse.org/releases/2018-09/>
 - Apache Jakarta log4j Plug-in
 - Atinject Dependency Injection
 - CDO Model Repository Client
 - CDO Model Repository Server

☐ Show location content

Content

The [Content](#) section specifies the set of plug-ins to be included in the target.

Definition Content Environment Source

Properties Problems

No properties available

Outline

There is no active editor that provides an outline.

New Plug-in Project

Plug-in Project

Create a new plug-in project

Project name:

☒ Use default location

Location:

Project Settings

☒ Create a Java project

Source folder:

Output folder:

Target Platform

This plug-in is targeted to run with:

☒ Eclipse

☐ an OSGi framework:

Working sets

☐ Add project to working sets

Working sets:



Model Explorer

type filter text

- Model_BUG
- Model_BUG.edit
- org.eclipse.emf.parsley.examples.rap.targetplatform
 - META-INF
 - build.properties
 - emf-parsely-rap.target

Outline

There is no active editor that provides an outline.

model_BUG model_BUG.genmodel emf-parsely-rap.target

Target Definition

Target Name

EMF Parsley RAP

Locations

The following list of locations will be used

- http://download.eclipse.org/eclipse/modeling/emf-parsley/EMF Parsley CDO RAP SDK
- EMF Parsley CDO RAP SDK
- EMF Parsley RAP SDK 1.8.0
- EMF Parsley RAP SDK Development
- http://download.eclipse.org/repository/org.eclipse.emf.parsley/
- Apache Jakarta log4j Plug-in
- Atinject Dependency Injector
- CDO Model Repository Client
- CDO Model Repository Server

☐ Show location content

Content

The [Content](#) section specifies the set of

Definition Content Environment Source

Properties Problems

No properties available

New Plug-in Project

Content

Enter the data required to generate the plug-in.

Properties

ID:

Version:

Name:

Vendor:

Execution Environment: [Environments...](#)

Options

☐ Generate an activator, a Java class that controls the plug-in's life cycleActivator: ☒ This plug-in will make contributions to the UI☐ Enable API analysis

Rich Client Application

Would you like to create a rich client application?

☐ Yes ☒ No

< Back

Next >

Finish

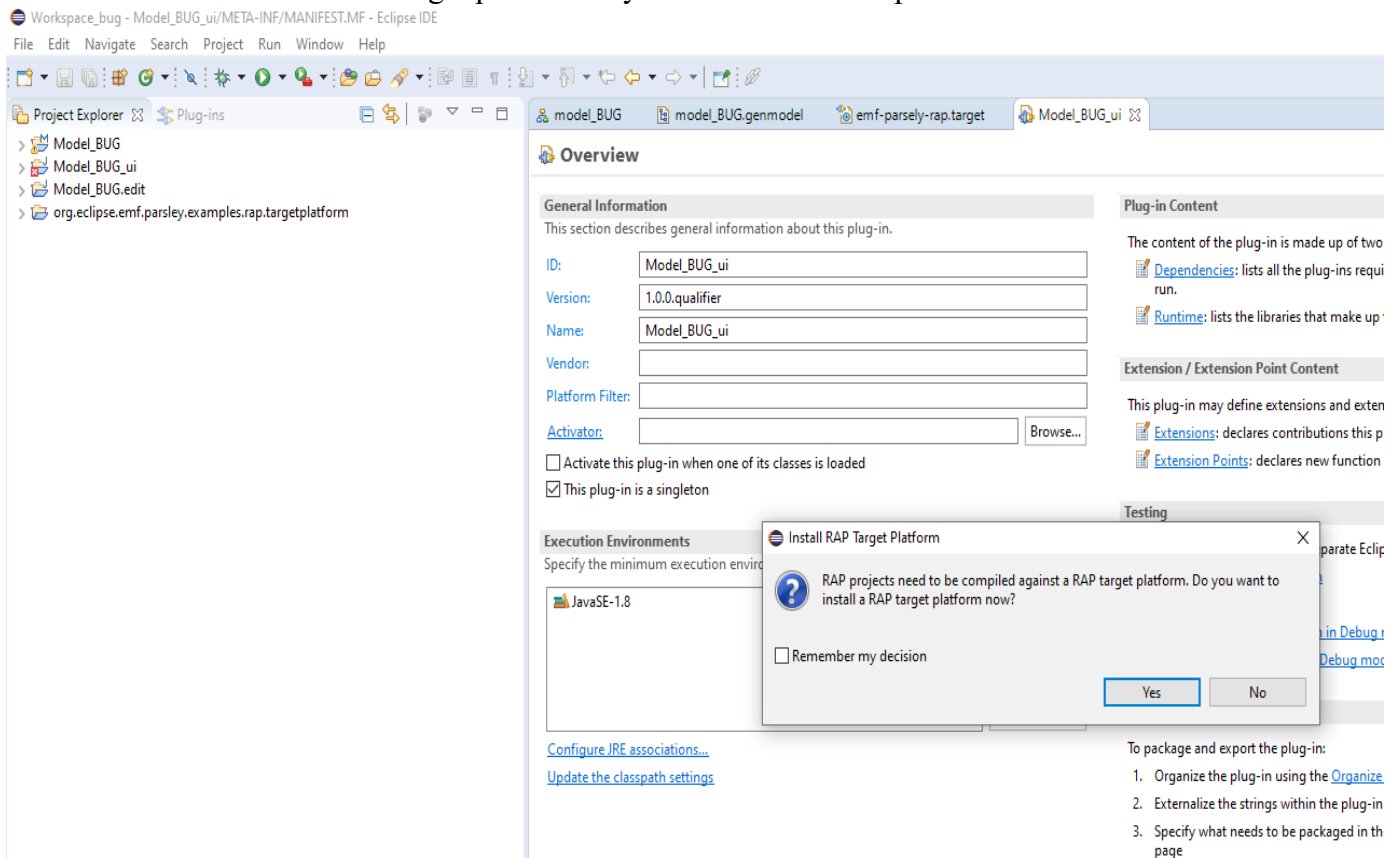
Cancel

Environm

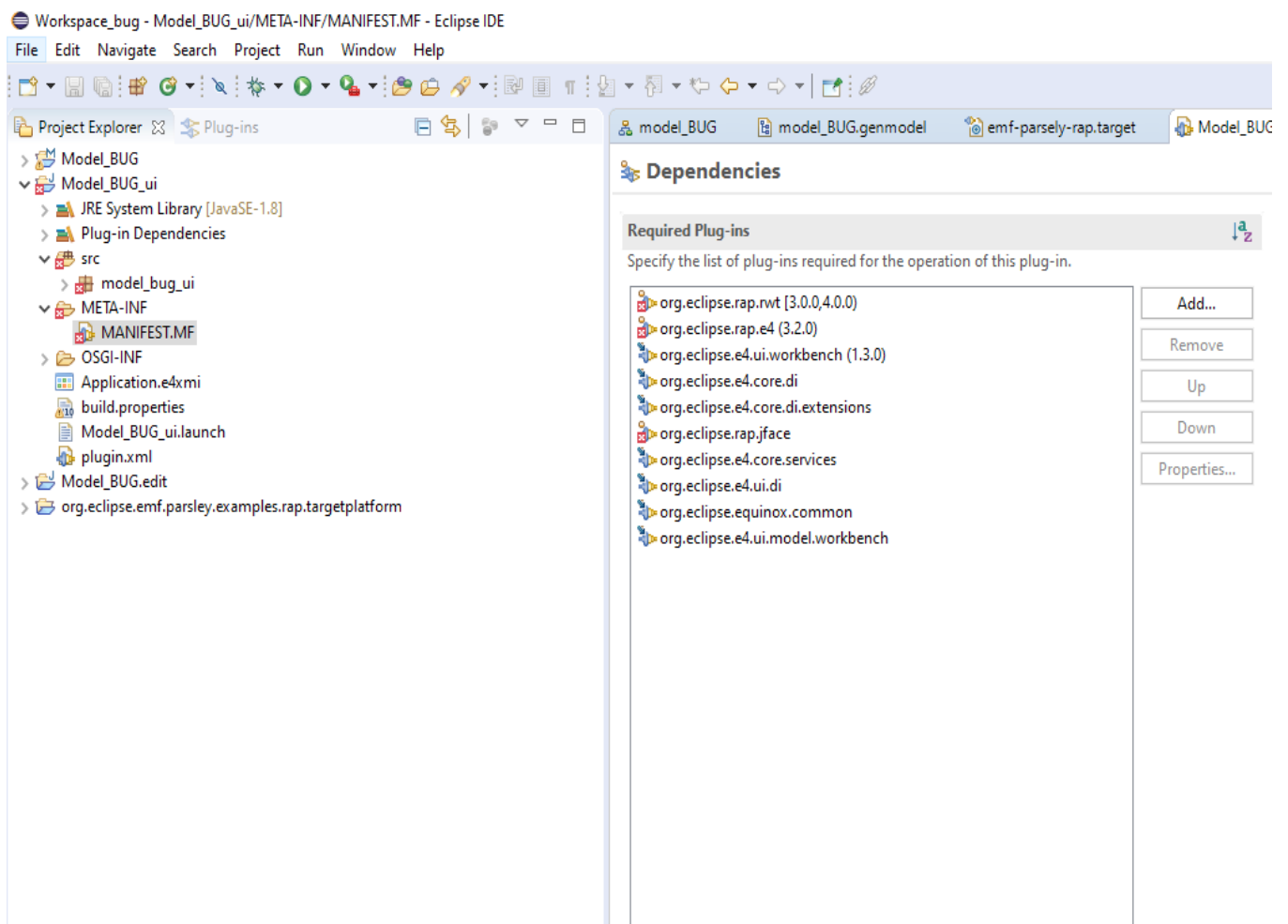
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After all this we have a very strange result :

- The target platform is yet installed. But eclipse ask to install another one.



- The project Model_Bug_ui come with a problem :



Conclusion :

It's seems impossible using RAP to develop an RAP e4 plugin using an EMF model