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Model Detachment

Kitalpha



OPEN
Version 1.0.0

THALES



- 1 Introduction
- 2 User Perspective
- 3 Developer Perspective

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Context

- A model is used by different stakeholders
- Each stakeholder has his own tooling environment (e.g., with installed and uninstalled viewpoints)

Need

- Removing data from a model
- Use cases: reasons of confidentiality or security between stakeholders / partners / sub-contractors; model cleanup; uninstallation of viewpoints

Objective

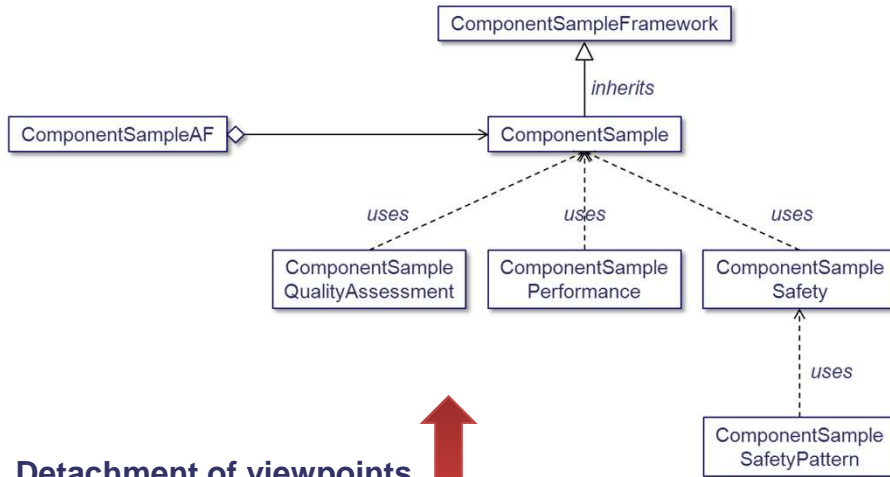
- The Model Detachment is a service which allows removing data (i.e., model and representations) thanks to detachment criteria



- 1 Introduction
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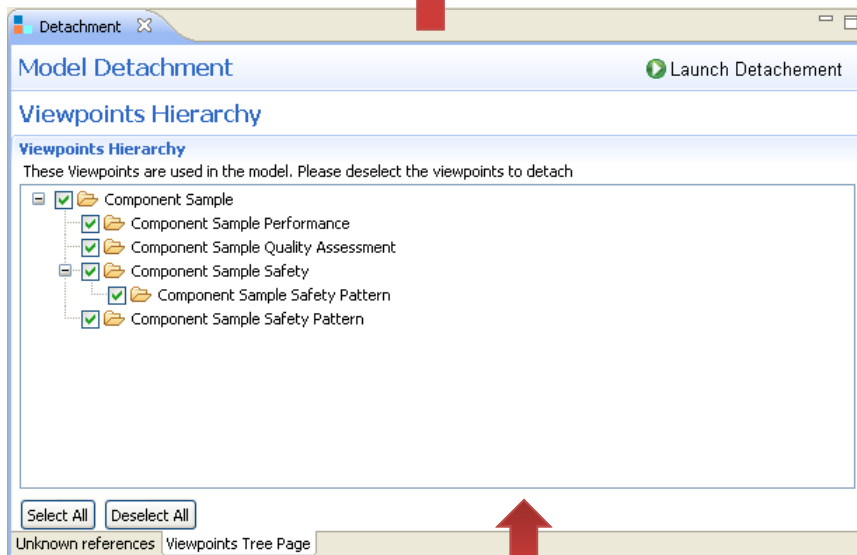
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- 1.The User launches the model detachment
- 2.The Model Detachment analyzes the model
- 3.The User selects the data to be detached
- 4.The Model Detachment backs up the model
- 5.The Model Detachment removes the data from the model

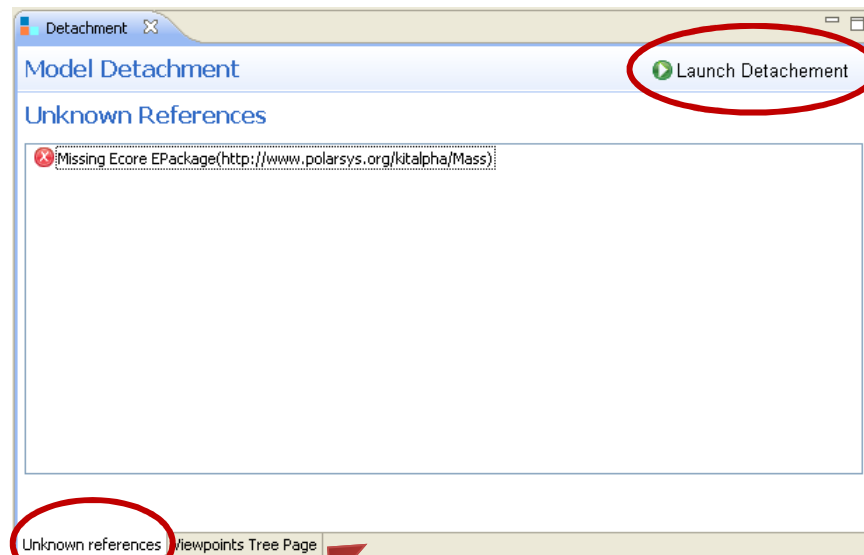


Detachment of viewpoints

Command to launch the detachment



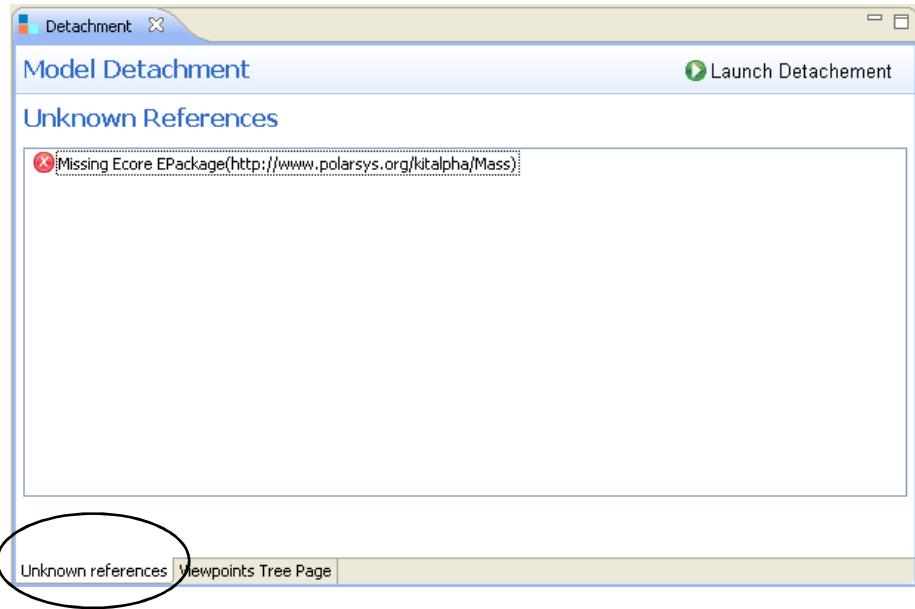
Selection area for a detachment topic



Topic of detachment

Extensible list of detachment topics

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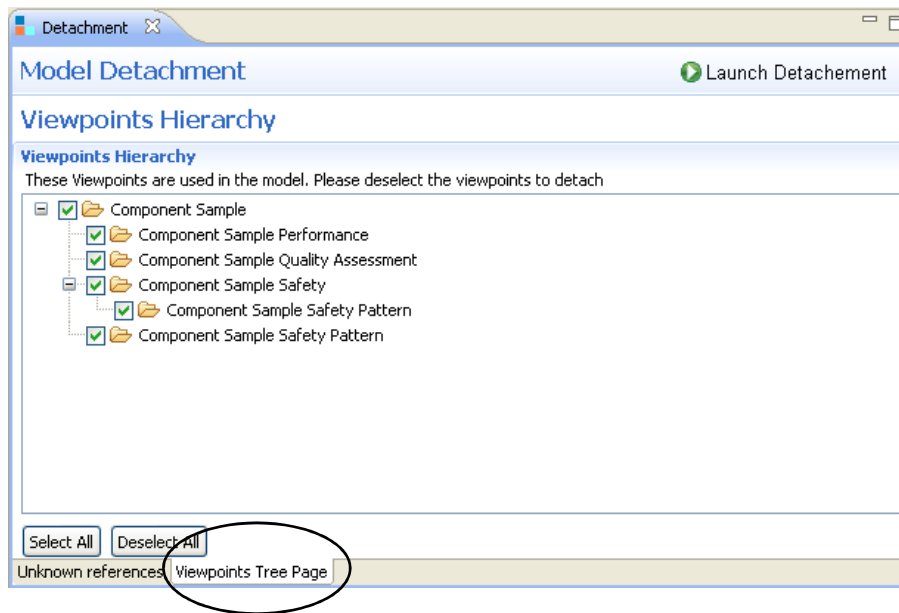
Objective

Removing all the unknown references which prevent to open or work with a model

Actions

No action required from the user

OPEN



Objective

Detaching data and representations of a viewpoint

Actions

The user unselects the viewpoint to be detached

Model Detachment Launch Detachement

Model Resources

Known Resources
List of resolved resources used by the model.
Deselect resources to delete

- platform:/resource/example/example.aird
- platform:/resource/example/fragments/OA.melodyfragment
- platform:/resource/example/fragments/PA.melodyfragment
- platform:/resource/example/example.melodymodeller

Unknown Resources
List of unresolved resources used by the model.
Deselect resources to delete

- platform:/resource/example/fragments/EPBSA.melodyfragment

Viewpoints Tree Page **Model Resource** Unknown references

Objective

Unreferencing resources (e.g., library) all over a model

Actions

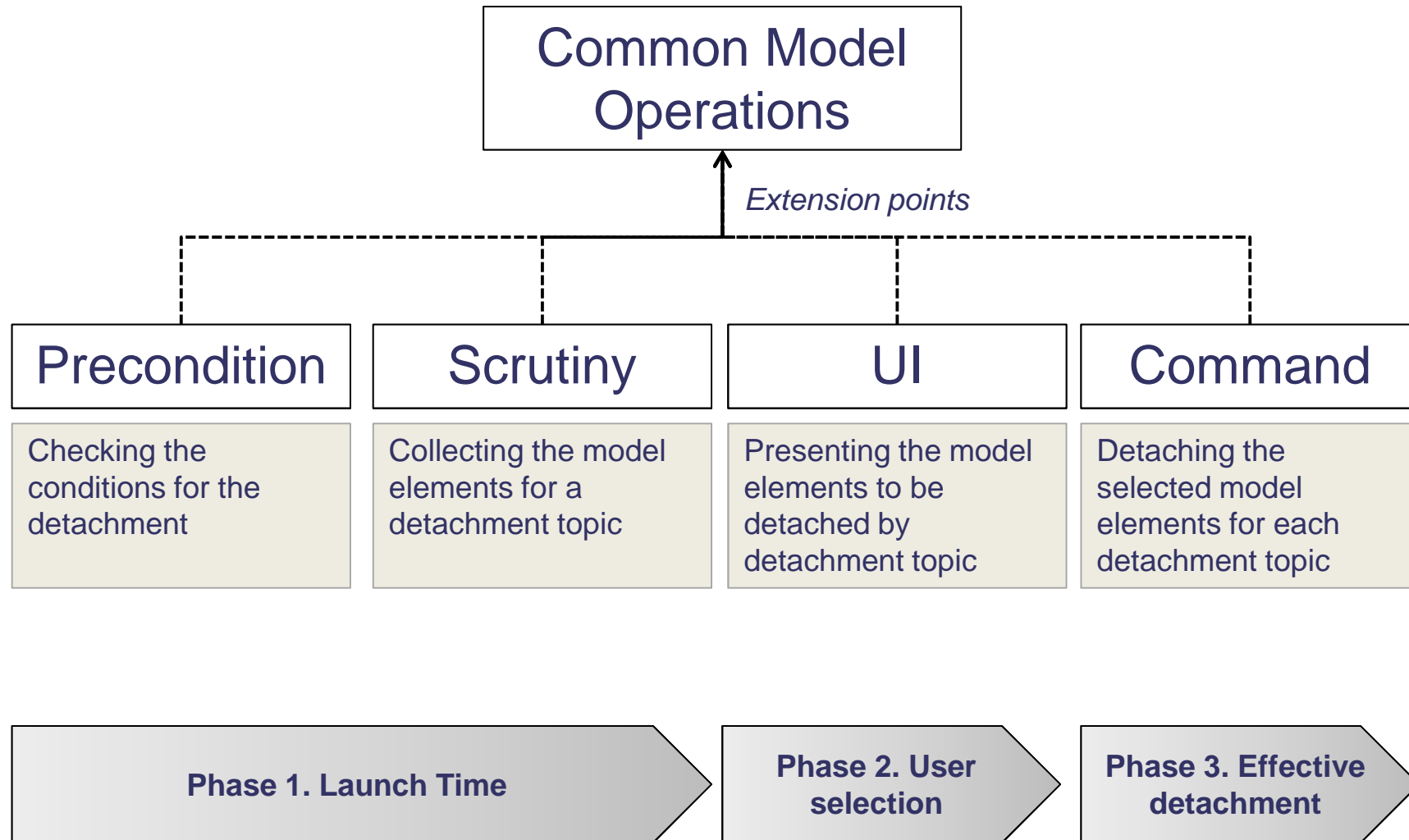
The user unselects the resources to be detached, known (installed) or not in the platform



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Foundations



Step 1.1. Start up – Verification of the detachment preconditions

Implementation

Plugin name	org.polarsys.kitalpha.model.detachment.ui
Java Package	org.polarsys.kitalpha.model.detachment.ui.action

Extension point(s)

Name	Plugin	Schema
Precondition	org.polarsys.kitalpha.model.common.precondition	precondition.exsd

Step 1.2. Scrutiny

Extension point(s)

Name	Plugin	Schema
Scrutiny	org.polarsys.kitalpha.model.common.scrutiny	scrutinize.exsd

Default extension(s)

Name	Plugin
Scrutiny	org.polarsys.kitalpha.model.common.scrutiny.contrib.viewpoints

User Interface

Extension point(s)

Name	Plugin	Schema
UI	org.polarsys.kitalpha.model.detachment.ui	page.exsd

Extension point(s)

Name	Plugin	Schema
Command	org.polarsys.kitalpha.model.common.commands	command.exsd

Step 3.1. Additional resource checking

Default extension(s)

Name	Plugin
Command	org.polarsys.kitalpha.model.common.commands.contrib.resourcesChecker

Step 3.2. Detachment for each detachment topic

Step 3.3. Resource refresh (e.g., diagram)

Default extension(s)

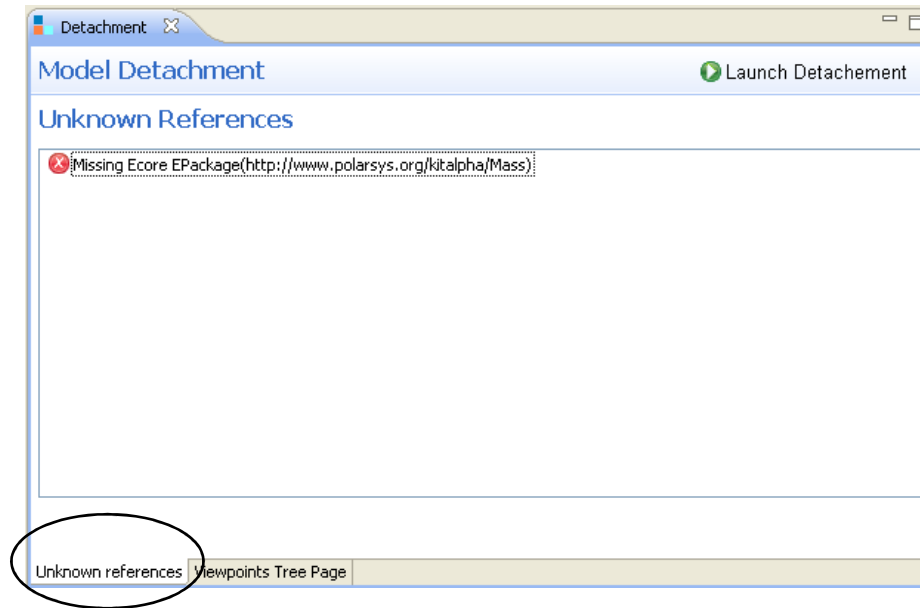
Name	Plugin
Command	org.polarsys.kitalpha.model.common.commands.contrib.refresh

Step 3.4. Back up and save

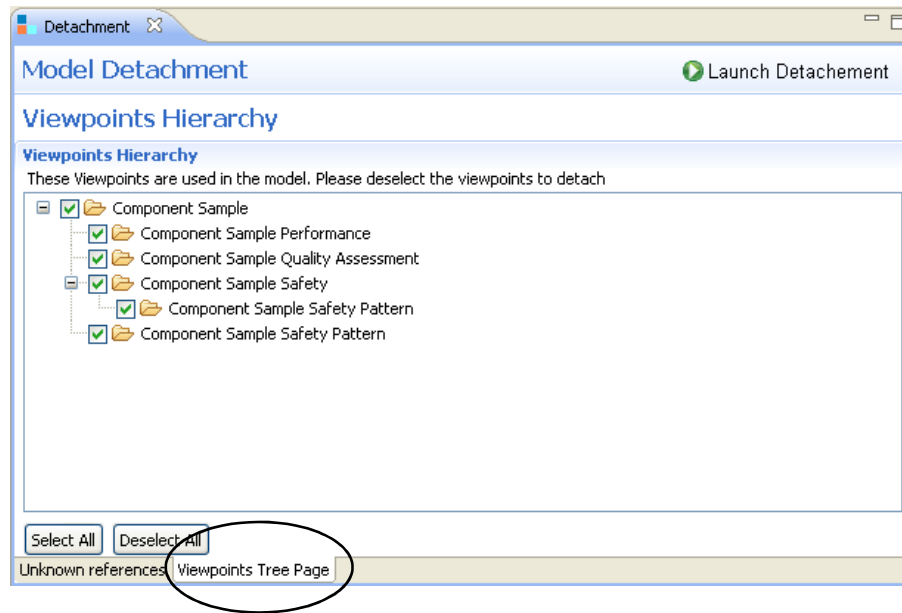
Default extension(s)

Name	Plugin
Command	org.polarsys.kitalpha.model.common.commands.contrib.backup

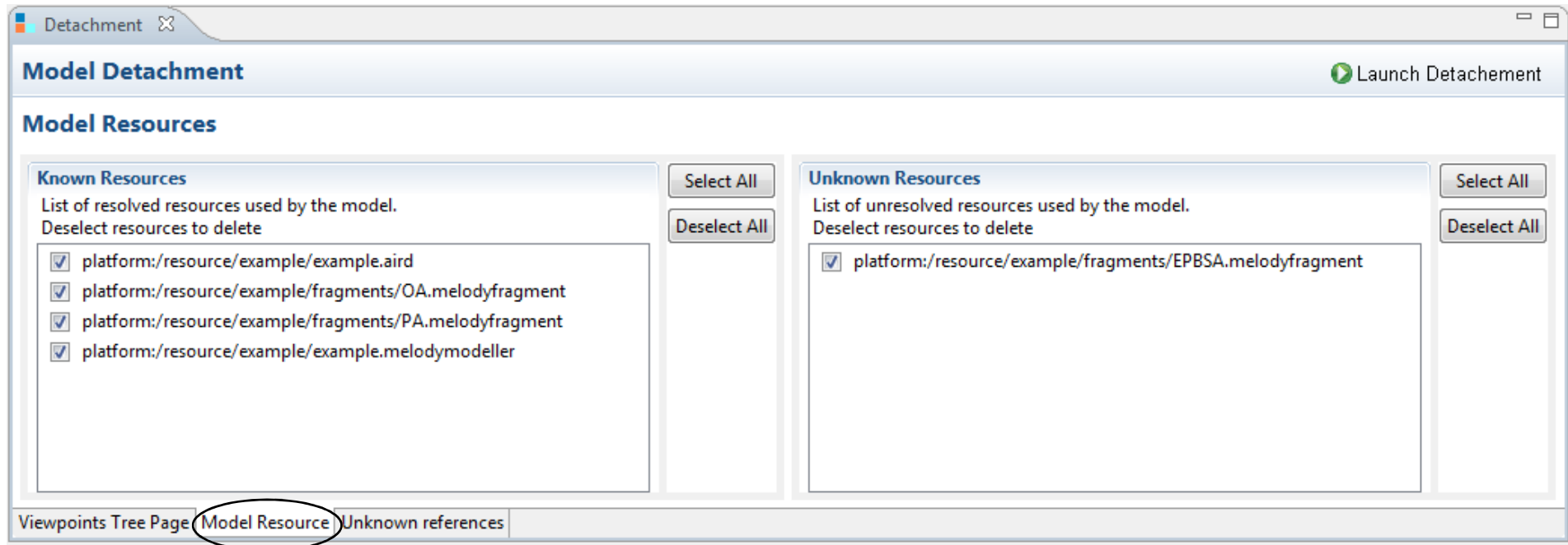
Detachment Topics



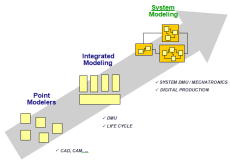
Extension	Plugin name
Scrutiny	org.polarsys.kitalpha.model.common.scrutiny.contrib.unknownreferences
UI	org.polarsys.kitalpha.model.detachement.ui.contrib.unknownreferences
Command	org.polarsys.kitalpha.model.common.commands.contrib.unknownreferences



Extension	Plugin name
Scrutiny	org.polarsys.kitalpha.model.common.scrutiny.contrib.viewpoints
UI	org.polarsys.kitalpha.model.detachment.ui.contrib.viewpoints
Command	org.polarsys.kitalpha.model.common.commands.contrib.viewpoints



Extension	Plugin name
Scrutiny	org.polarsys.kitalpha.model.common.scrutiny.contrib.modelresources
UI	org.polarsys.kitalpha.model.common.ui.contrib.modelresource
Command	org.polarsys.kitalpha.model.common.commands.contrib.modelresources



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Thank You!

<https://www.polarsys.org/projects/polarsys.kitalpha>

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