ELEMENT TYPES CONFIGURATIONS FRAMEWORK

Papyrus Team

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DIAGRAM GENERATION IN PAPYRUS
Let say you reorient the association from Class2 to Class3.

What should be done on the UML model?
Usecase diagram

- Editparts (custom-code)
  - CustomAssociation
    - EditPart
- Editpolicies (custom-code)
  - CustomAssociation
    - EP
- Commands (custom-code)
  - CustomAssociation
    - Command
- Helpers (custom-code)

...
Element Types:

“The domain-specific concepts that can be displayed, created, modified and destroyed as logical elements in a GMF application are described using element types.”
Element Type Framework

Element Type Registry

Requests

Commands

MetamodelType

SpecializationType

Advices (pre and post actions)
IMPLEMENTATION DETAILS

UML Diagrams

UML Types (org.eclipse.papyrus.uml.service.types)

-.uml.elementtypeconfiguration
-EditHelpers.java
-Advices.java

ElementTypesConfigurations Framework
(org.eclipse.papyrus.infra.elementtypesconfiguration)

Elementtypeconfiguration.ecore

GMF ElementTypes
Usecase diagram

- Editparts (generated)
- Editpolicy (generated)
- Commands (generated)
- Models (generated)
- Helpers (generated)
- ... (custom-code)
THANK YOU FOR YOUR ATTENTION