FROM RESEARCH TO INDUSTRY

cea tech

list

DIAGRAM EDITORS GENERATION IN PAPYRUS

Papyrus Team

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INSTITUT CARNOT CEA LIST

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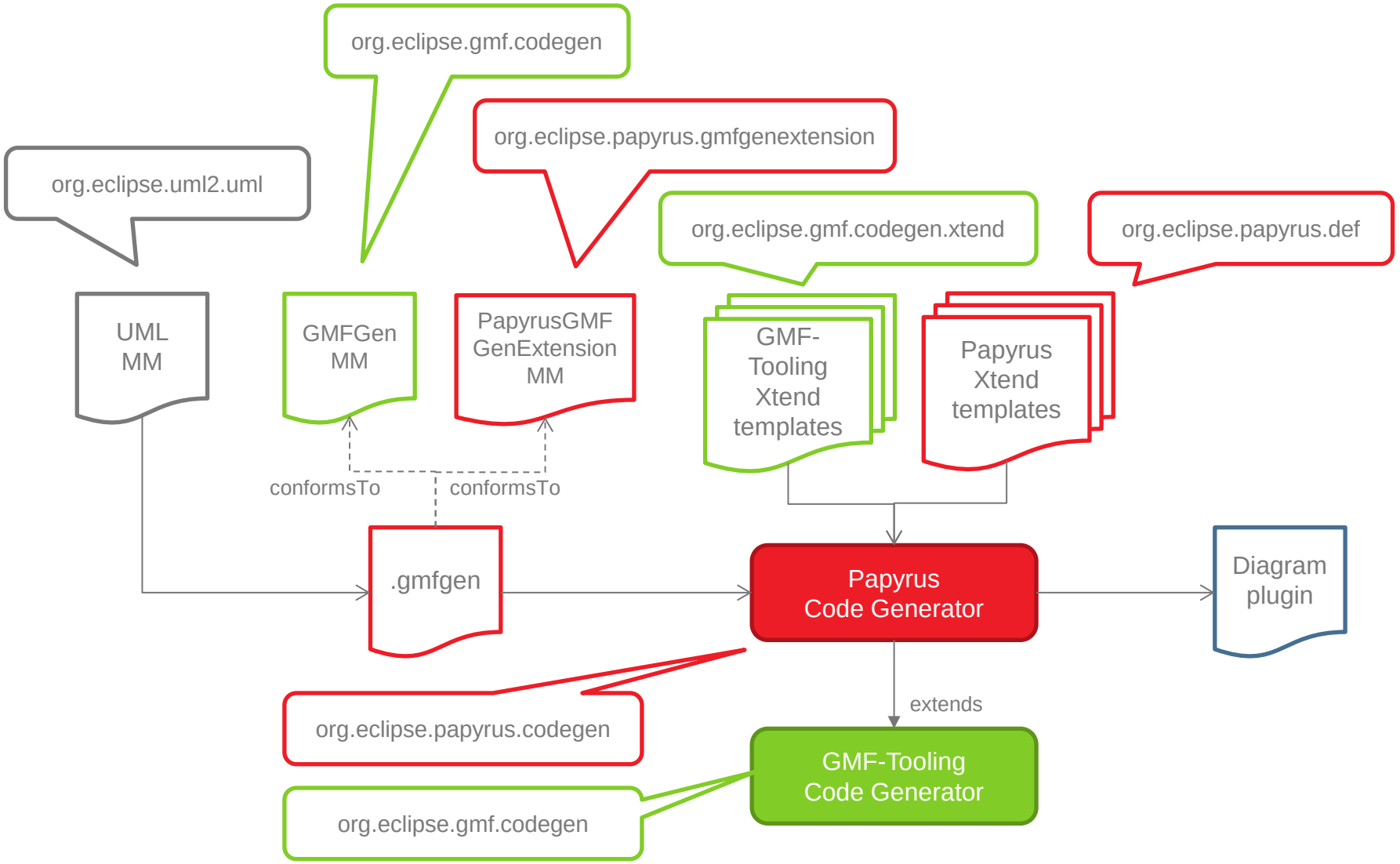
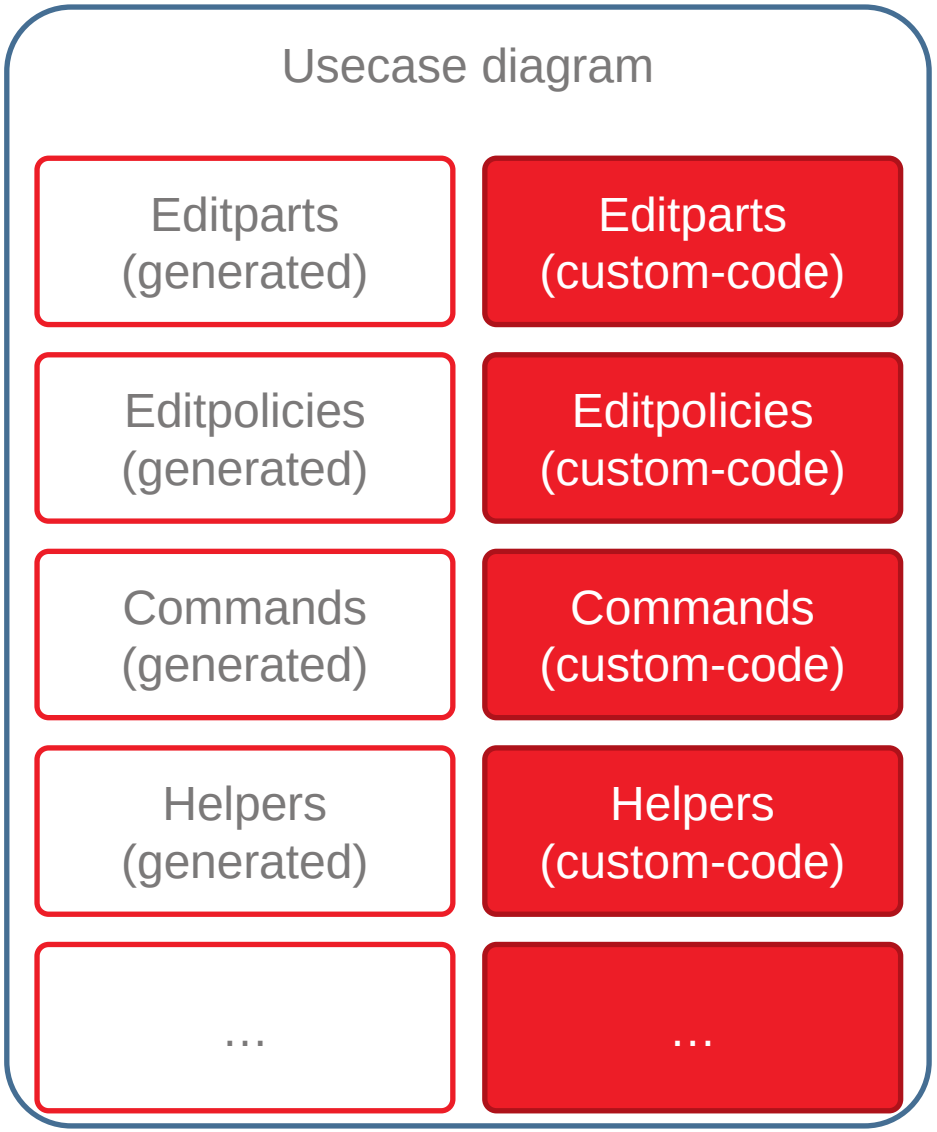
DIAGRAM GENERATION IN PAPYRUS

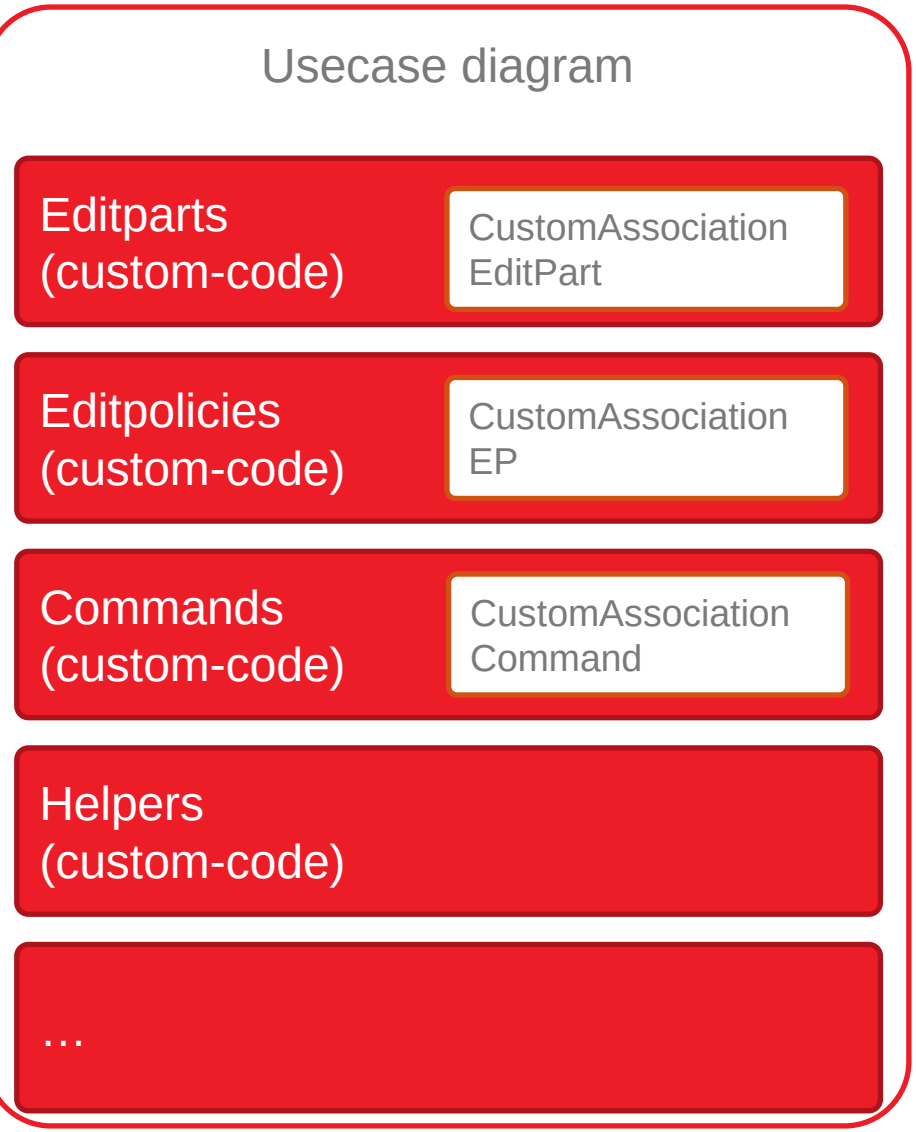
DIAGRAM CODE GENERATION PROCESS

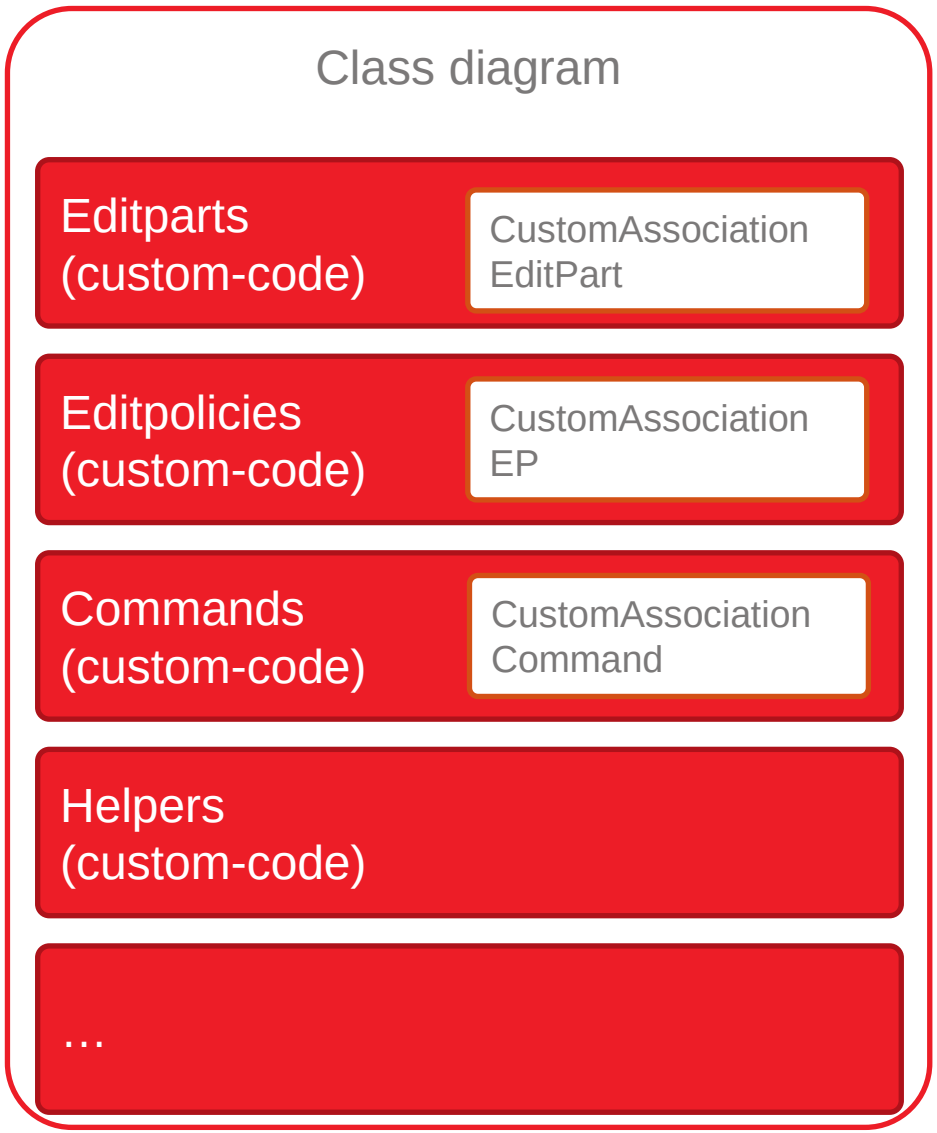


GENERATED DIAGRAM
A CLOSER LOOK



GENERATED DIAGRAM
A CLOSER LOOK

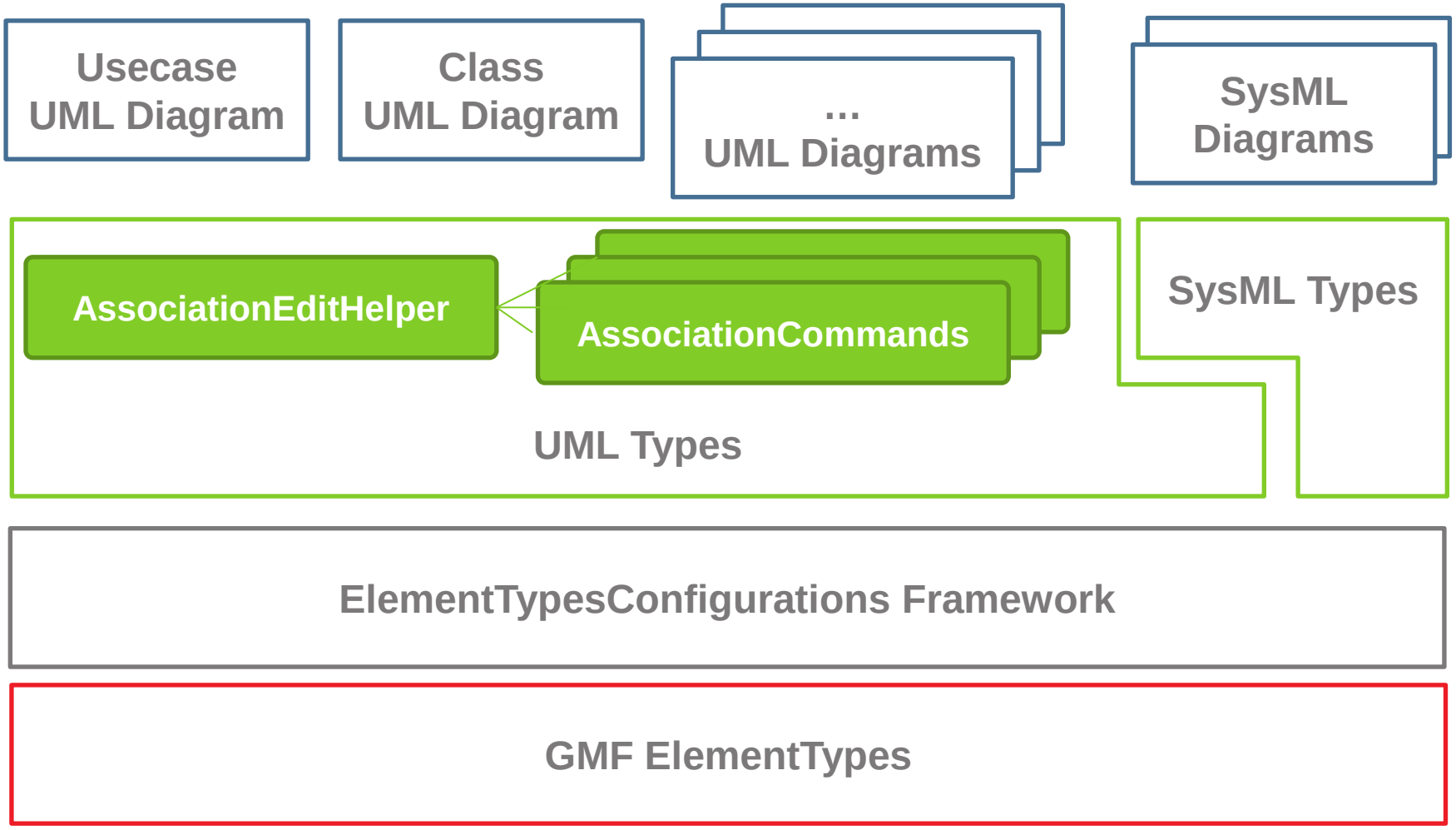




Element Types:

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

ELEMENTTYPECONFIGURATION ARCHITECTURE



IMPLEMENTATION DETAILS

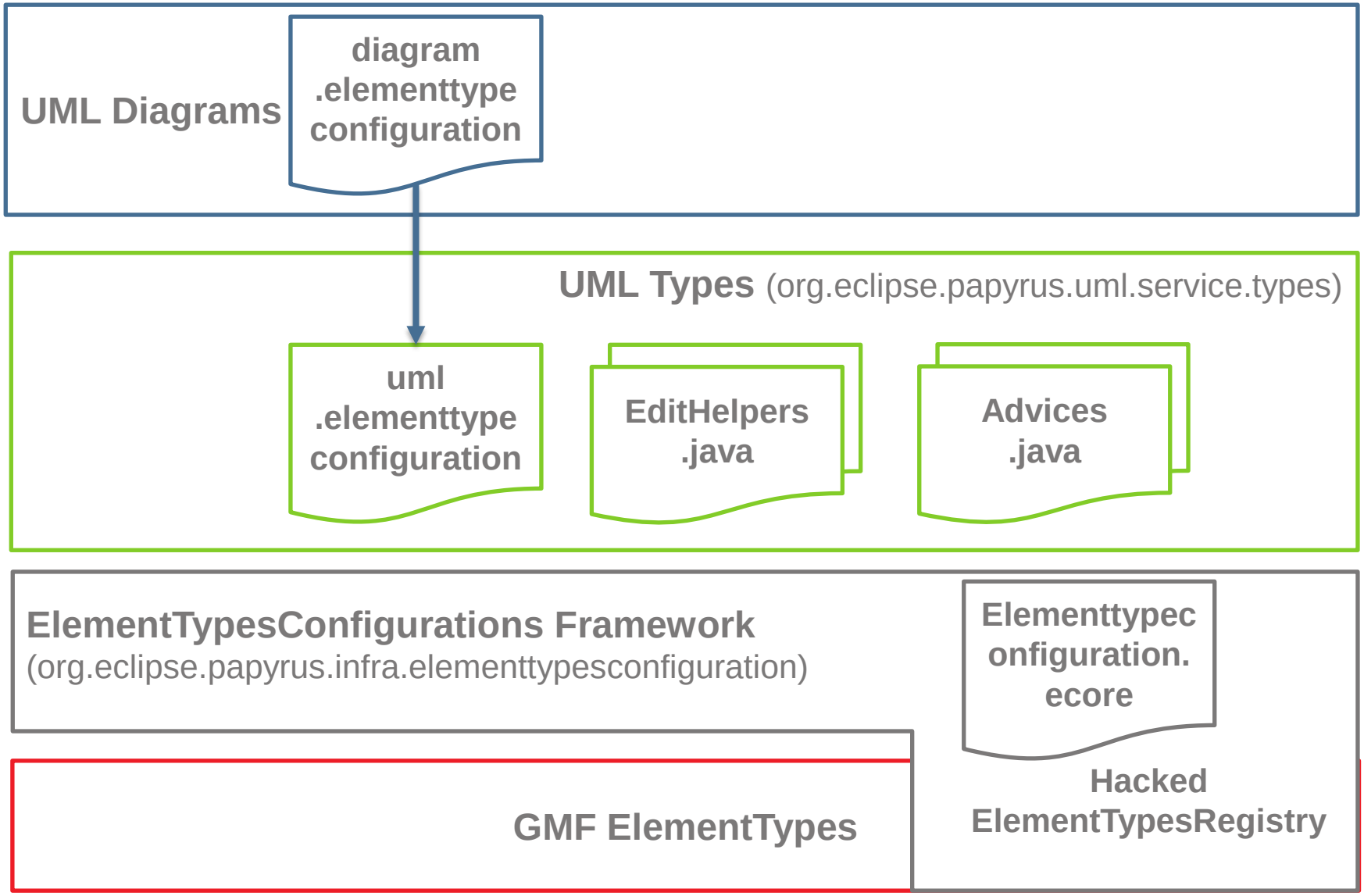
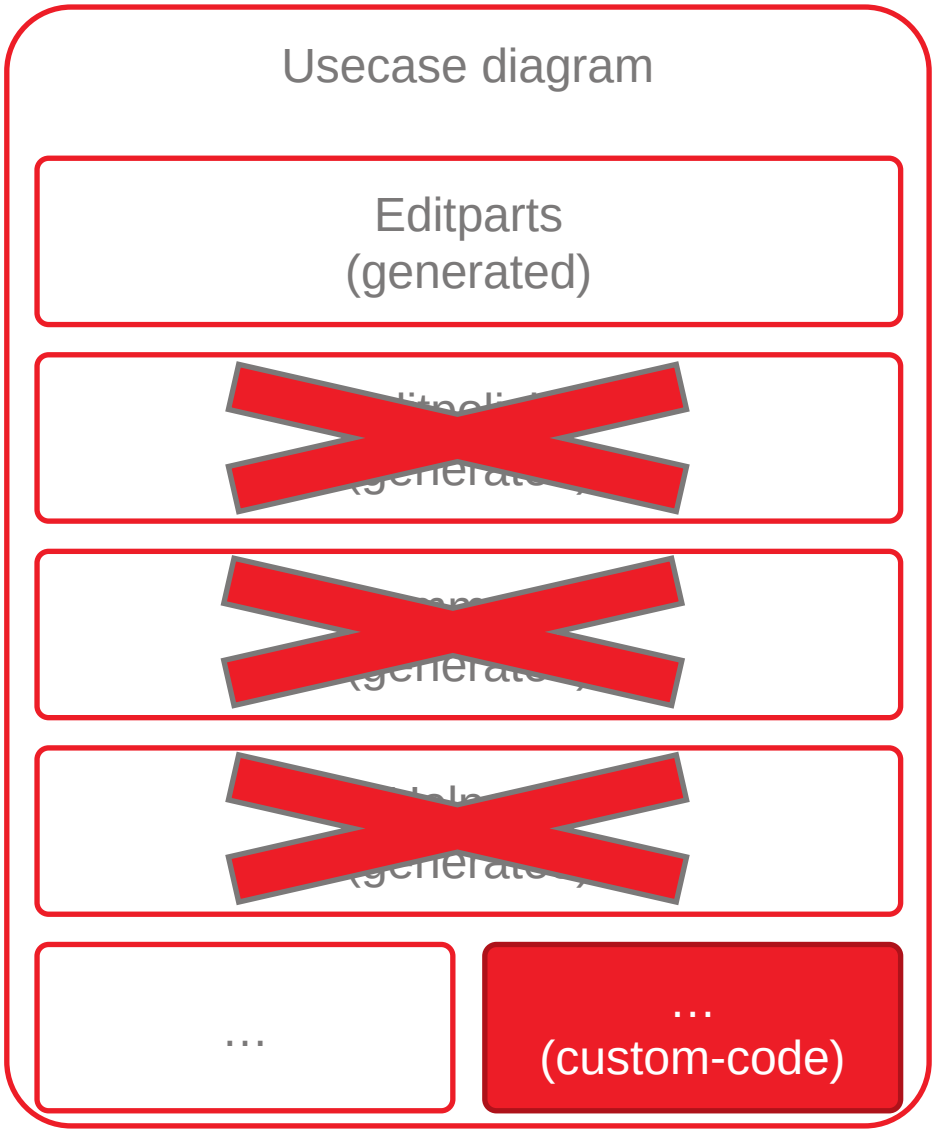


DIAGRAM CODE NOW



WHEN ?

- **Very soon (probably Mars M3)**
  - ElementTypesConfiguration Framework as such
  - Migrated UML Service Types
  - Migrated SysML Service Types
  - Migrated Usecase diagram

- **Before Mars release**
  - All UML diagrams will be migrated to ElementTypesConfiguration

DIAGRAM DEFINITION

DIAGRAM CODE GENERATION PROCESS

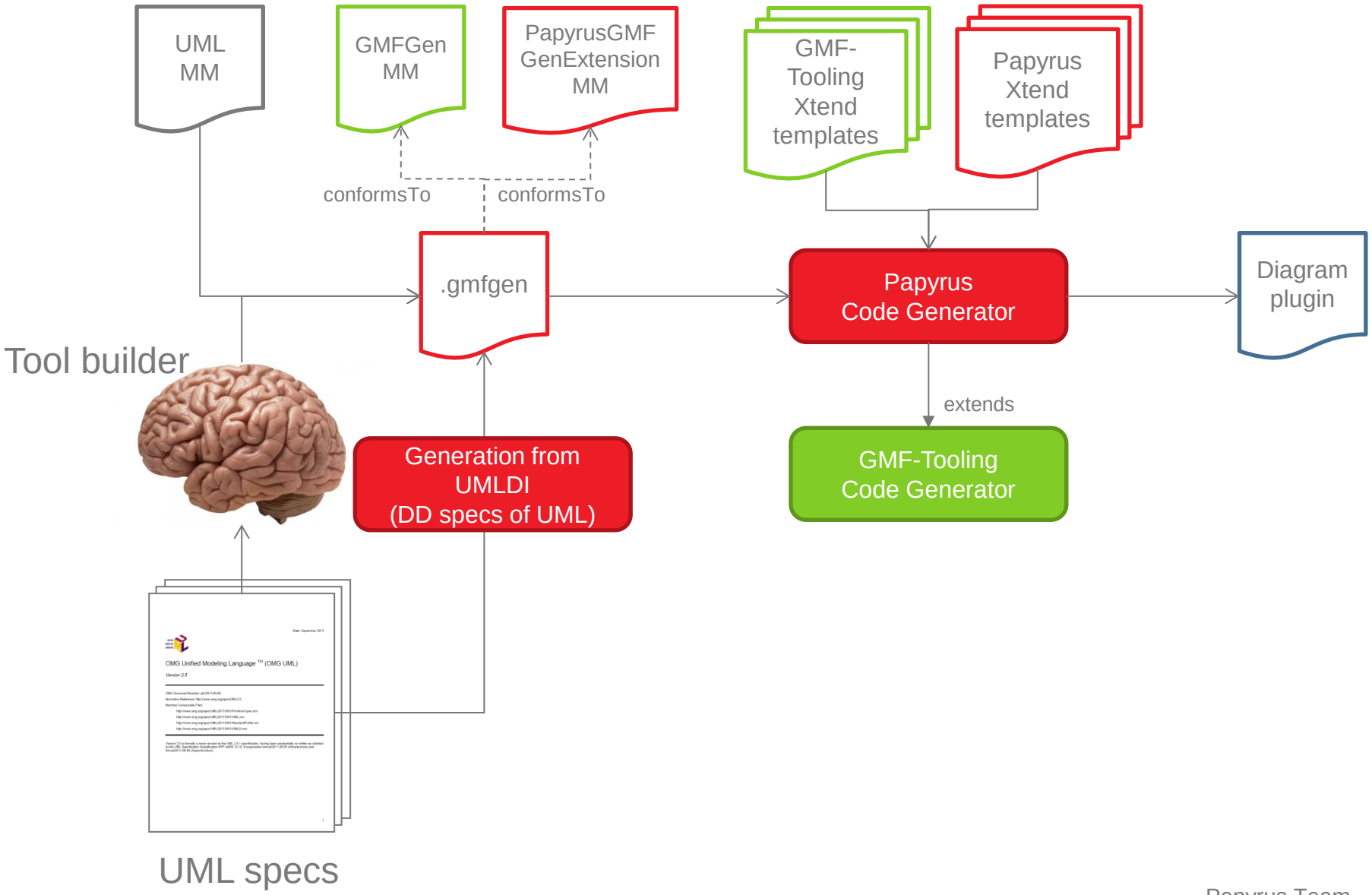


DIAGRAM DEFINITION UPDATES

- **Papyrus provides the reference implementation of DD**
  - Implementation of DC metamodel
  - Implementation of DI metamodel
  - Implementation of DG metamodel
  - Implementation of a SVG renderer of DG models
- **Papyrus provides the reference implementation of UMLDI**
  - Implementation of the extension of DI for UML
  - Implementation of the transformation of UMLDI to DG (in QVTo)
- **Papyrus Class diagrams can be exported to standard UMLDI**

Check it out:

org.eclipse.papyrus.git/extraplugins/diagram-definition

THANK YOU FOR YOUR ATTENTION

Commissariat à l'énergie atomique et aux énergies alternatives
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