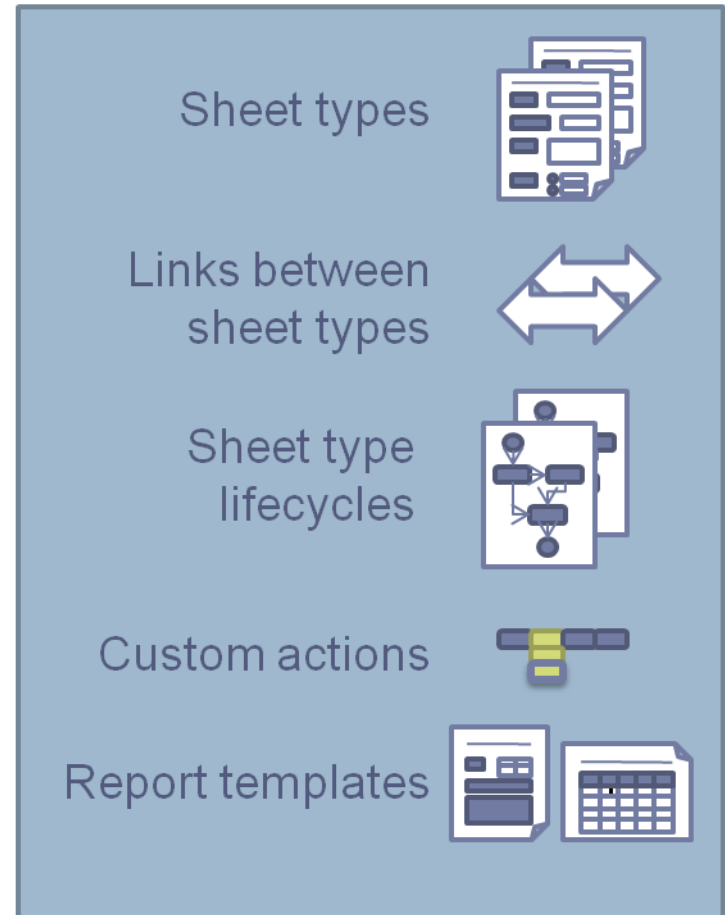

gPM features and architecture

07/03/2012

- ▶ **Main objective** : generate applications from a process definitions
- ▶ gPM : **generic** application / meta-tool
 - for **sheets** and **lifecycles** management
 - **customizable**
- ▶ Possibility to create **applications fully adapted to the process**, whatever the process :
 - Change management
 - Test management
 - ...
- ▶ gPM is part of TOPCASED toolkit.

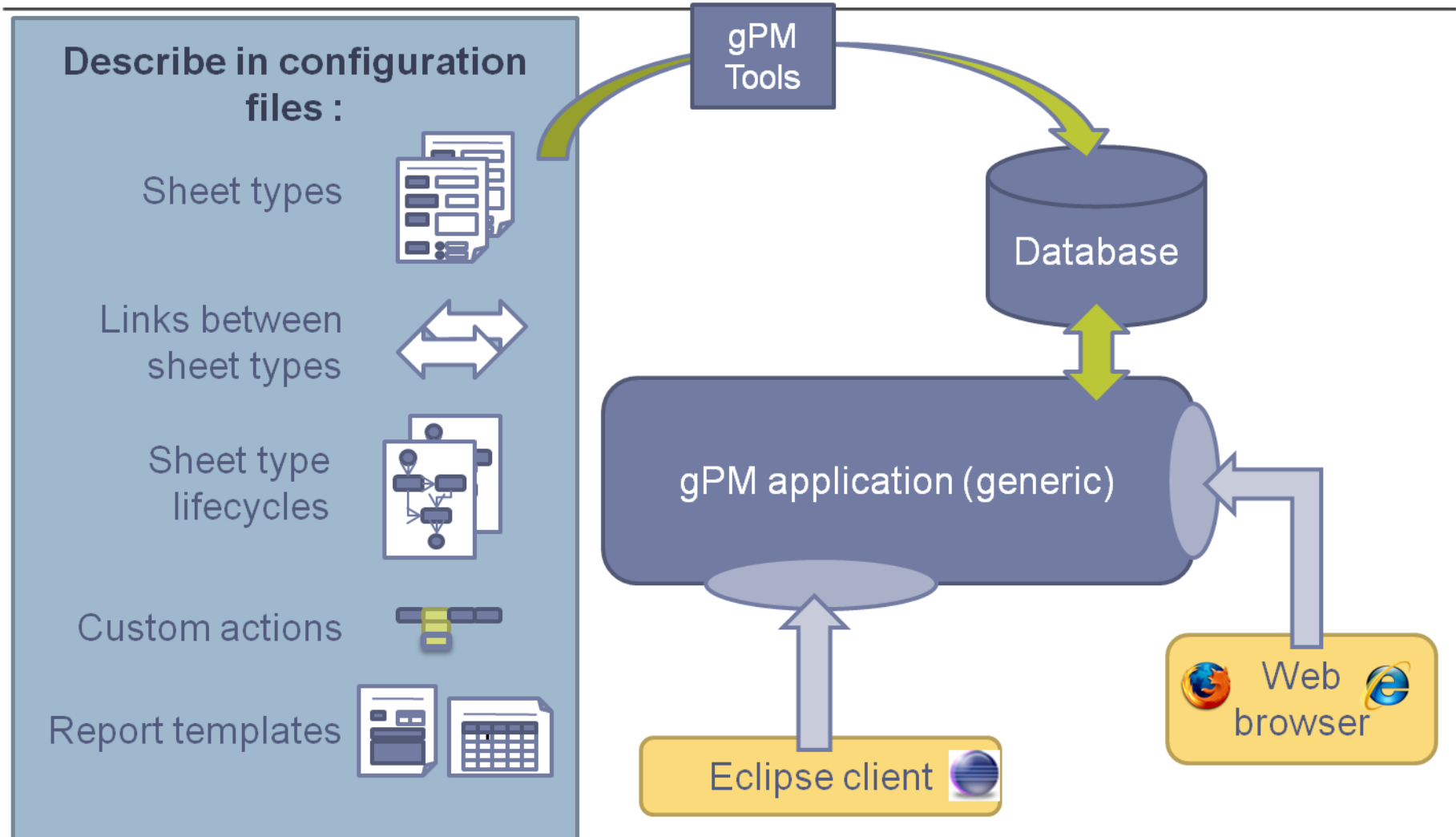


- ▶ Defining a process :
 - Identify the **elements to handle** and their structure:
 - ⇒ Will be the sheet types, and the forms
 - Identify **links** between these elements
 - Define the **lifecycle** for each sheet
 - ⇒ States / transitions
 - Identify **specific actions** to add
 - ⇒ UI actions added to the final application
 - Define **export templates** (PDF/XLS/ CSV)



gPM : from process to application

07/03/2012



The screenshot displays the gPM web client interface. At the top, there is a header with the TOPCASED logo and the text "Open Source Engineering Workshop". The main content area is divided into several sections:

- Filters Table:** A sidebar on the left containing a list of filters under the "Process" category, such as "All bugs", "All FRs", "All sheets", etc.
- Filter result:** A table listing all bugs with columns for ID, Title, Severity, State, Reporter, Assigned to, and Last update.
- Bug Detail View:** A detailed view of a specific bug (TOPCASED-Gendoc2-BUG-4) showing its general information, description, and additional details.

ID	Title	Severity	State	Reporter	Assigned to	Last update
TOPCASED-Gendoc2-BUG-1	Bullet lists not handled correctly in DDT documents		New	Kris ROBERTSON		
TOPCASED-Gendoc2-BUG-2	Tags cannot be nested		Resolved	Kris ROBERTSON		
TOPCASED-Gendoc2-BUG-3	Error when generating file from SysML model		Resolved	Emilien PERICCO	Tristan FAURE	
TOPCASED-Gendoc2-BUG-4	generation of an empty diagram		New	Emilien PERICCO	Tristan FAURE	

TOPCASED-Gendoc2-BUG-4 (New)	
General	
Bug number	4
Title	generation of an empty diagram
Description	If you have an empty diagram. The generated picture is not correct. At least, the name of the diagram should appear and not a zoom on the package.
Additional information	
Reporter	Emilien PERICCO
Date submitted	Apr 14, 2010 12:00:00 AM
Assigned to	Tristan FAURE
Description	
Reproducibility	
Severity	
Priority	Normal
Detected in version	4.0.0
Information	
Last update	
To be fixed in	4.1.0
Attached files	
View Status	
Monitors	Tristan FAURE
Notes	
Notes	Author Date Content

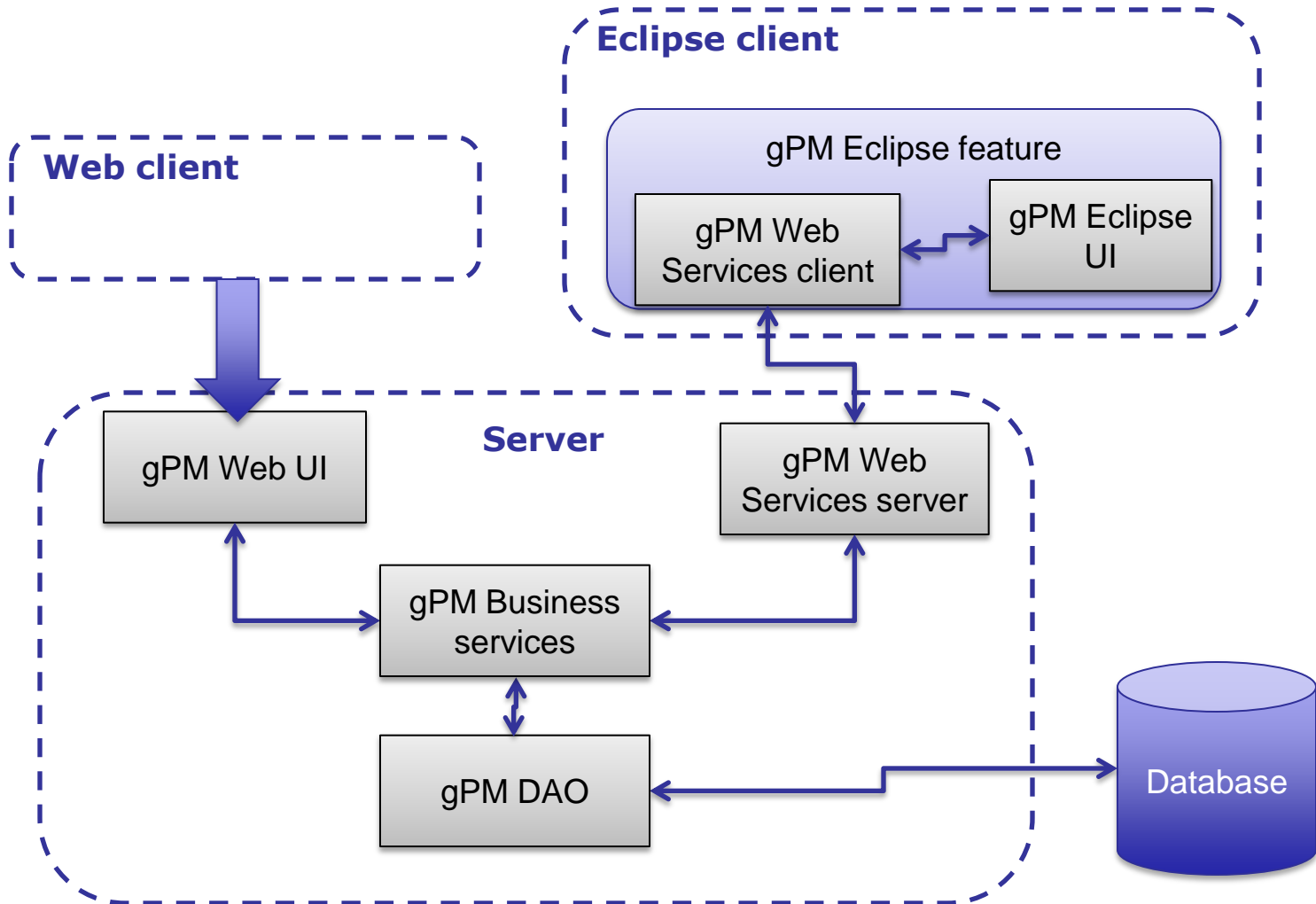
gPM – Eclipse client

07/03/2012

The screenshot displays the gPM Eclipse Platform interface. The main window is titled "gPM - Eclipse Platform" and contains several panes:

- gPM Instances:** Shows a list of instances, including "TOPCASED-Gendoc2 (admin)".
- gPM Filter Results:** A table listing all bugs. The table has columns for ID, Title, Severity, Sheet state, Reporter, Assigned to, and Last update.
- gPM Filter (Table):** A search filter interface with a text input and a list of filter categories.
- TOPCASED-Gendoc2-BUG-4 (TOPCASED-Gendoc2):** A detailed view of a bug with the following information:
 - Product: TOPCASED-Gendoc2
 - Current state: New
 - General:
 - Bug number: 4
 - Title *: generation of an empty diagram
 - Description *: If you have an empty diagram. The generated picture is not correct. At
 - Reporter: Emilien PERICO
 - Date submitted: 2010-04-14
 - Assigned to: Tristan FAURE
 - Description:
 - Reproducibility:
 - Severity:
 - Priority: Normal
 - Detected in version: 4.0.0
- TOPCASED-Gendoc2-FR-1 (TOPCASED-Gendoc2):** A detailed view of a feature request with the following information:
 - Product: TOPCASED-Gendoc2
 - Current state: New
 - Possible transitions: [dropdown]
 - General:
 - FR Number: 1
 - Title *: Add attributes for image tag to avoid
 - Description *: When you add an image in gendoc2, you can use keepH and keepW attri
 - Reporter: Emilien PERICO
 - Assigned to: Analyze (dropdown) Realization (dropdown)

- ▶ Management of simultaneous tool instances designed for specific business processes
- ▶ Management of products and product hierarchy
- ▶ Parameterization of sheet types : number, content and life cycle
- ▶ Creation, modification , initialization and display of sheets
- ▶ Customization of functional id management
- ▶ Possibility to create links between sheets
- ▶ Set up of data dictionary to control values inserted by user
- ▶ Customizable search using filter
- ▶ Sheet initialization functionality
- ▶ Mail management
- ▶ Specific or generic export functionalities (PDF, XML, Excel)
- ▶ Access control management
- ▶ Administration functionalities



- ▶ Java :
 - JDK 1.6.0_18+

- ▶ Database server
 - PostgreSQL v8.4+
 - or Oracle v10.X

- ▶ Application server :
 - Apache Tomcat v5.5+
 - or Jetty v6.1.15+

Some applications realized with gPM

07/03/2012

▶ **gPM SUMO : change management process**

- ~ 22000 sheets, 100 products, 600 users



▶ **gPM Track-Dev : coordination processes between Airbus and Suppliers**

- ~ 4000 sheets, 320 products, 1300 users



▶ **gPM APIS : manage support, defects and enhancements for gPM meta-tool project itself**

- ~ 1400 sheets, 15 products, 30 users



▶ **gPM DOJO : Configuration management process**

- Status : not in production yet

