



# Java Workflow Toolbox (JWT) Creation review

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# Overview



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- WE Logical Architecture
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# JWT Purpose



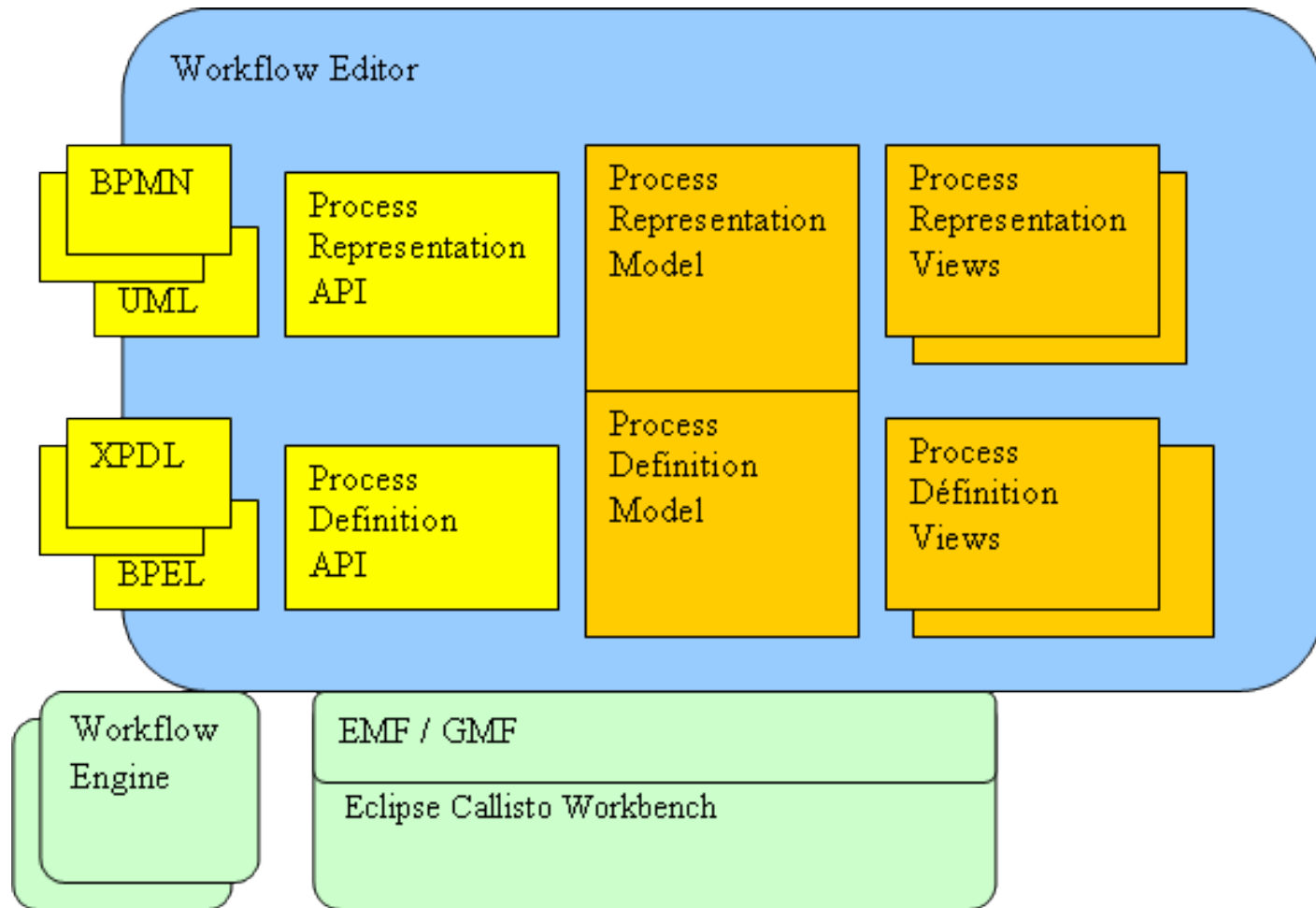
- Provide build time and run-time tools to help develop processes
- Typical use cases will be :
  - Graphically design a process
  - Start/Stop a process/workflow engine
  - Deploy a process definition in an engine
  - Administrate/monitor engine in order to debug a deployed process
- No particular focus on a specific engine implementation or standard (even if standards will be promoted) : need for an independent process meta model definition
- No constrained graphic representation but BPMN will be targeted at first. Motivations are to be able to give to different user profiles different representation of the same workflow definition. E.g. : simplified view for business oriented users.

# JWT Description

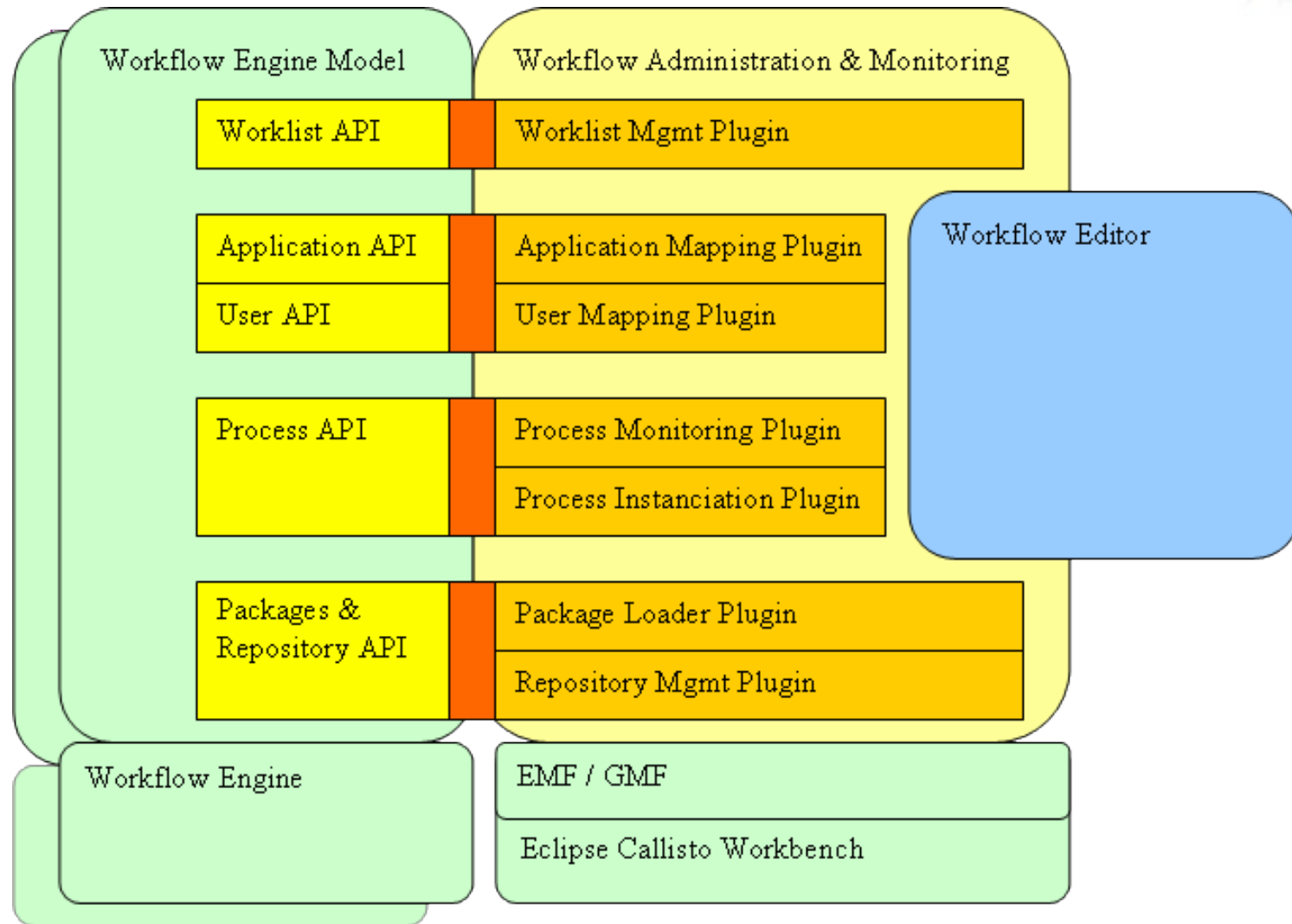


- JWT is divided in two related parts :
  - Workflow Editor (WE)
    - Graphical representation of process definition
    - Export of process definitions to XML
    - Import of valid XML process definition and its graphical representation
  - Workflow engine Administration and Monitoring (WAM)
    - Process Definition Management (Repository & Package)
    - Process Execution Management (Instantiation, Monitoring...)
    - Process Runtime Resources Mapping (Application & Users)
    - Worklist Management & out of the box “Desktop BPM” features

# WE Logical Architecture



# WAM Logical Architecture





# Eclipse Touch points

- WST (Web Standard Tools)
- GEF(Graphical Editing Framework)
- EMF (Eclipse Modeling Framework) for the underlying meta-model
- STP (SOA Tools platform)
- Validation frameworks (like EMF Validation Framework or Recipe from GMT/OAW)
- Eclipse Callisto and Upcoming Eclipse Europa



# Extension Points

- WE
  - Editor plugin
  - Grammar plugin
  - Application tools plugin
- WAM
  - One plugin for each API
    - Workflow Management
    - Application Mapping
    - User Mapping
    - Process Monitoring & Instanciation
    - Packager Loader & Repository Management
  - Server definition plugin



# Community Response



- Proposal one year old - because of
  - Change of project leader at Open Wide
  - New sponsoring organisations, partners and funding
- Now:
  - AgilPro contribution from the University of Augsburg, with :
    - Modelling tool
    - Desktop application for local simulation
    - Generic adapters for several proprietary applications
  - Funding and expected contributions from european SOA / SCA - oriented research project SCORWare
  - Promising ties with STP / BPMN and Intalio, Bull (creator of Bonita and Orchestra BPM Open Source solutions), Obeo (Open Source MDA& DSL technologies), jBoss BPM...

# Project Community



- Marc Dutoo (Project Lead) - Open Wide, FR
  - Florian Lautenbacher (Project Lead) – University of Augsburg, DE
  - Miguel Valdez (Technology Advisor) – Bull, FR
  - Alain Boulze (Market Advisor) – INRIA / ObjectWeb, FR
  - Fabrice Dewasmes (Vision Advisor) – Pragma Consult, FR
  - Günther Palfinger (Technical Advisor) – eMundo, DE
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- Koen Aers – JBoss corp.
  - Roman Zulauf – Object Engineering GmbH
  - Pardeep Sood – Independent Consultant
  - Surrendra Reddy – Optena Corp.
  - Shanghai JiaoTong University – School of Software
  - Guennadi V. Vanine – Independent Consultant
  - BeiJing ChiPu - Network Technic limited



# Roadmap

