

Emakin Process Modeling

Process Modeling in Emakin is entirely carried out using the process designer tool provided within the same web interface. The designer tool allows the management of all the definitions involved with a process, including forms, databases and web services. Any process design can be exported as a package to be migrated into another system.

In Emakin terminology, processes are made up of 5 major building blocks: Pools, Tasks, Actions, Routes and Roles. The Process Map provides an overhead view of the process, clearly displaying all Tasks assigned to Roles and all steps defined as automatic jobs. The resulting map is a much more straightforward and standard view of the process than one that would be produced by conventional diagramming applications.



Version Management

This allows storage of different versions and enables all development and change management to be tracked.



Basic Process Diagrams

Emakin supports sub processes, one of the major necessities in the design of large scale workflows.



Time Management

All time-sensitive elements such as deadline notifications or business calendar entries employ the local time zones for users.



Data Model

Data Model is defined during the design process and is an industry standard of XSD (XML Scheme Definition).



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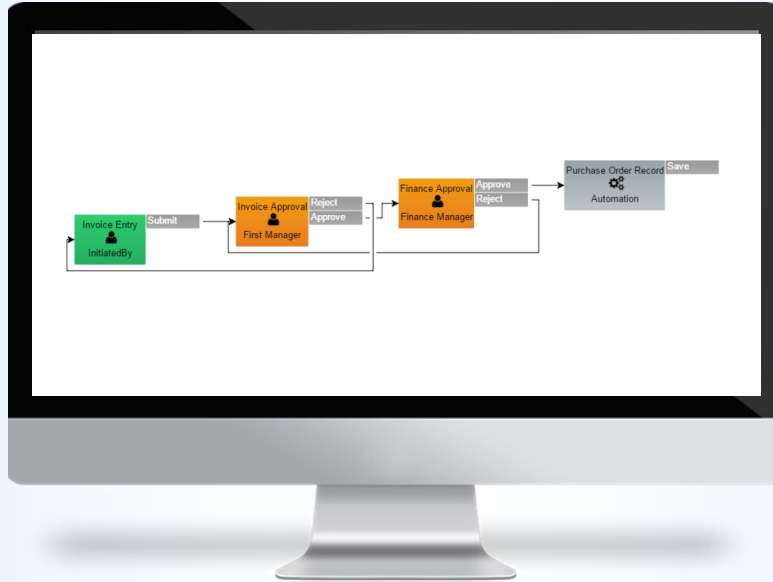
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Scripting and Business Rules

Emakin provides scripting support in many points within processes to allow execution of custom business rules. All scripts are written in JavaScript (ECMAScript 5) which is familiar to most developers. Access to form data from within scripts is facilitated via XPath or XQuery, two widely accessible standards.



Scheduled Tasks

Tasks with predetermined time priorities and rules can be appointed. Appointed task can be assigned to users under specified circumstances by starting a new workflow within the system, or can be completed by assigned tasks on users under specified circumstances.



History

Emakin BMPS keeps all records of transactions during the execution of processes. Within History, all details, such as who started work, when the next steps are started and finished, what is being done, who owns the current step and so on, are stored as records.



Sub Process

Emakin supports sub processes, one of the major necessities in the design of large scale workflows. Depending on the form data definitions, it is possible to dynamically initiate unlimited sub processes. These sub processes can also be nested under unlimited levels.



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