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WorkFlow Management Coalition (WfMC)

Documentación:

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- Modelo de referencia
- WAPI's
- Interoperabilidad de Workflows (Wf-XML)
- Otros...

WorkFlow Management Coalition (WfMC)

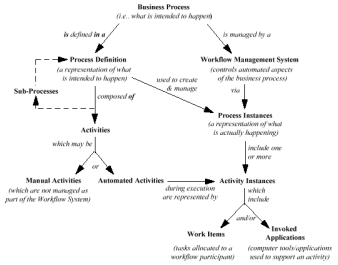

Figure 1 - Relationships between basic terminology

WorkFlow Management Coalition (WfMC)

Business Process

Definition

A set of one or more linked procedures or activities which collectively realise a business objective or policy goal, normally within the context of an organisational structure defining functional roles and relationships.

WorkFlow Management Coalition (WfMC)

Process Definition

Definition

The representation of a business process in a form which supports automated manipulation, such as modelling, or enactment by a workflow management system.

The process definition consists of a network of activities and their relationships, criteria to indicate the start and termination of the process, and information about the individual activities, such as participants, associated applications and data, etc.

WorkFlow Management Coalition (WfMC)

Workflow Management System

Definition

A system that defines, creates and manages the execution of workflows through the use of software, running on one or more workflow engines, which is able to interpret the process definition, interact with workflow participants and, where required, invoke the use of tools and applications.

WorkFlow Management Coalition (WfMC)

Activity

Definition

A description of a piece of work that forms one logical step within a process. An activity may be a manual activity, which does not support computer automation, or a workflow (automated) activity. A workflow activity requires human and/or machine resources(s) to support process execution; where human resource is required an activity is allocated to a workflow participant.

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Instance (as in Process or Activity Instance)

Definition

The representation of a single enactment of a process, or activity within a process, including its associated data. Each instance represents a separate thread of execution of the process or activity, which may be controlled independently and will have its own internal state and externally visible identity, which may be used as a handle, for example, to record or retrieve audit data relating to the individual enactment.

WorkFlow Management Coalition (WfMC)

Workflow Participant

Definition

A resource which performs the work represented by a workflow activity instance. This work is normally manifested as one or more work items assigned to the workflow participant via the worklist.

Work Item

Definition

The representation of the work to be processed (by a workflow participant) in the context of an activity within a process instance.

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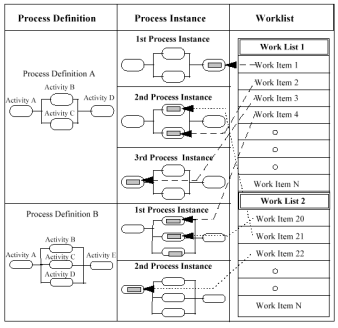


WorkFlow Management Coalition (WfMC)

Workflow Reference Model

Definition

An architectural representation of a workflow management system, identifying the most important system interfaces, developed by the WfMC

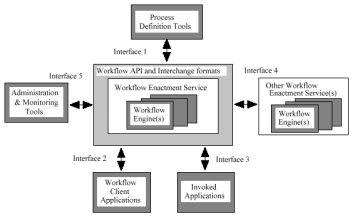


Figure 4 - The Workflow Reference Model

WorkFlow Management Coalition (WfMC)

Process

Definition

A formalised view of a business process, represented as a coordinated (parallel and/or serial) set of process activities that are connected in order to achieve a common goal.

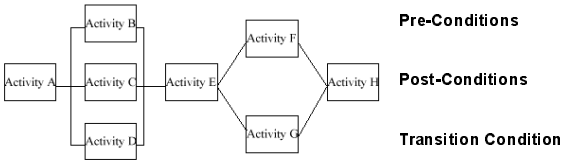
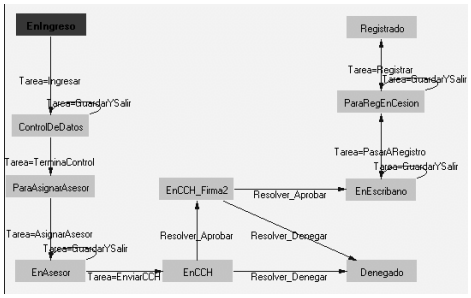


Diagrama de Actividades
Vs.
Diagrama de Estados



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WAPI

Definition

WAPI is an abbreviation for Workflow APIs and Interchange Formats, published by the WfMC, and incorporating specifications to enable interoperability between different components of workflow management systems and applications

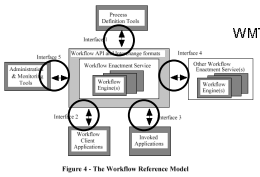
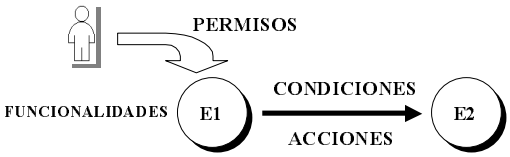


Figure 4 - The Workflow Reference Model

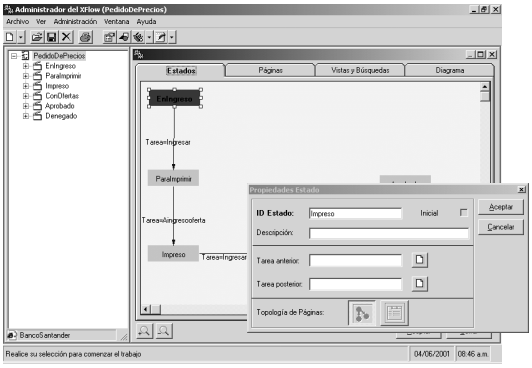
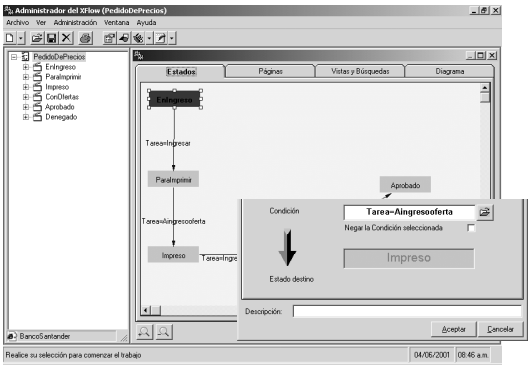
WMTErrorRetType **WMCreateProcessInstance(**
In WMTPSessionHandle **psession_handle**,
In WMTPProcDefID **pproc_def_id**,
In WMTPText **pproc_inst_name**,
Out WMTPProcInstID **pproc_inst_id)**

Xflow

Modelado de procesos de workflow en base a un grafo (diagrama) de estados



Xflow



Xflow