

A GTRBAC Based System for Workflow Composition and Management

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ADAPTABILITY

Dynamic reconfiguration of workflows to ensure serviceability and security in changing environment

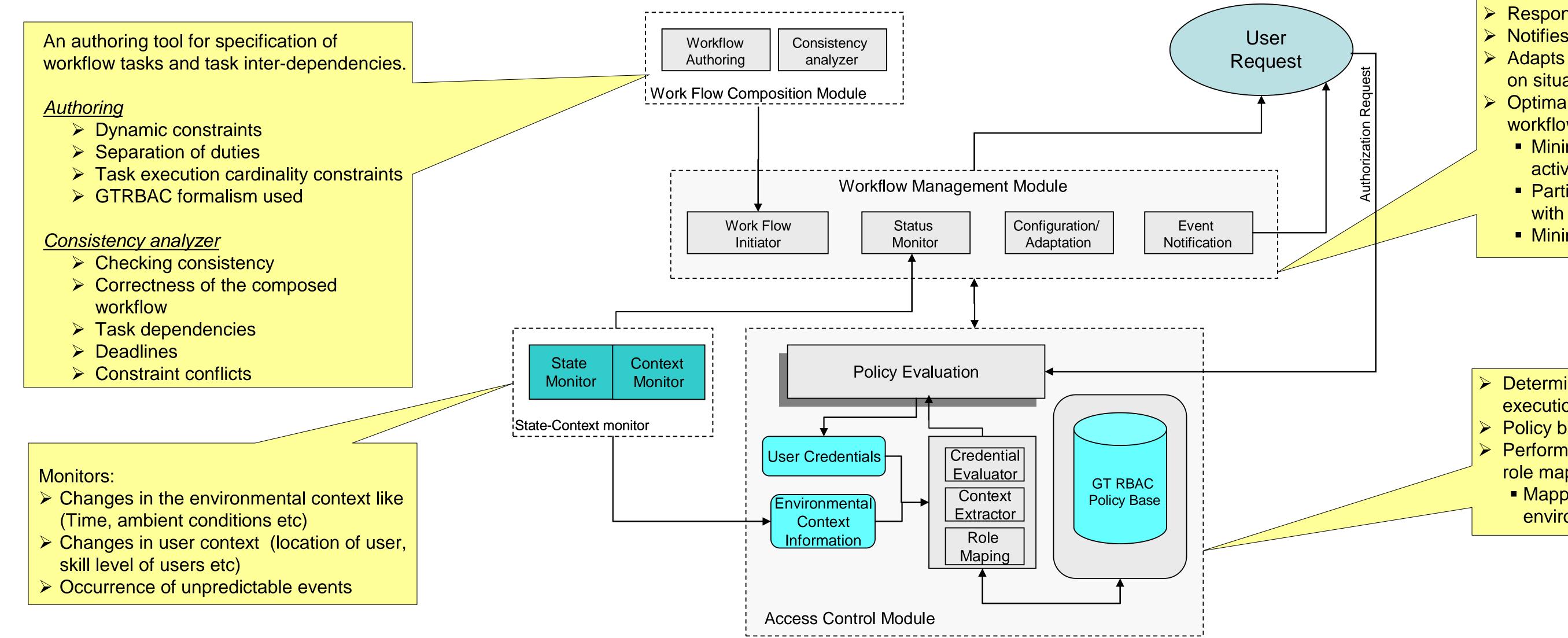
To provide the right data to the right person at the right time

SECURITY

Authentication and authorization of users to ensure secure accessibility in a collaborative environment



Environment sensitive accessibility of data and services



- Responsible for instantiation of a workflow
- Notifies users of system events
- Adapts work flow and/or invocations based on situation and context
- Optimal reconfiguration of instantiated workflow
 - Minimum deviation from scheduled activities
 - Partial completion of workflow instance with abortion of blocked task
 - Minimum relaxation of constraints
- Determines authorization of users for execution of workflow tasks
- Policy base of all roles and users
- Performs user to role mapping and task to role mapping
 - Mapping based on user credentials and environmental context

PURDUE IVERSITY



