

FORMAL DESCRIPTION AND AUTOMATE BUSINESS PROCESSES THROUGHOUT THE ENTERPRISE USING SYSTEMS WORKFLOW MANAGEMENT

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For a qualitative problem solving automation of business processes to effectively apply the theory of automated workflow (Workflow) and systems capable of solving the problem of their implementation (Workflow Management Systems).

Developing a model of the system occurs in three stages. First a hierarchical membership process and the time sequence of their interaction, further developed the structure of interaction between units for a certain period and finally determined by the performance criteria, rating each of them. This approach allows us to obtain results close to optimal.

Workflow management system provide the necessary sequence of actions associated with the stages of interaction with staff and resources. Built-in functions, which are given a definition and modeling process workflow, monitoring functions when the responsible for managing workflow in the operating environment and function of the interaction with users or software systems contribute to the organization of a rational and effective existing processes.

As a promising tool is the use of open source workflow system RunaWFE - specialized and universal method by which workflow management system is implemented. The sequence of tasks defined by the graph of the business process, a manager or business analyst can quickly modify them with an intuitive editor of business processes.

The use of workflow management will develop a set of software tools needed to automate complex distributed business processes with the use of human resources and software systems to interact with information-analytical systems and data stores. Application of dynamic debugging workflows, provide in a short time to achieve stable operating business processes.

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1. A.V. Nesterenko, T. Sysoev, Office workflow management system to manipulate repository resources. 6, 5 (2003).