

iWORKFLOW

What is iWorkflow?





iWorkflow is a software for automating, managing and monitoring business processes. Everything you need to organize, automate, execute, and analyze business processes in order to connect people, data, and daily activities.

Typically it uses a database server. It helps you track your process performance by triggering business rules based on data and facilitates the flow of information, tasks and events. iWorkflow can help you automate rules, notifications, reminders, escalations, and service level agreement.

Application manages and monitors state of activities in a workflow, such as processing and approval of a certain activity and it determines to which new activity it has to transit according to defined processes.

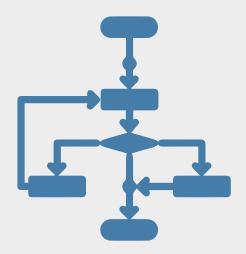
The actions can be anything from starting a trigger based campaign to sending an e-mail reminder to users or escalating overdue items to management.

Use iWorkflow to take the complexity out of incoming information automate business process for better insight into your tasks and their effect on the overall system.

iWorkflow framework is providing common functionalities such as monitoring, alarming, configuration management, logging, tracing, workflow design and execution.



iWorkflow platform



On top of this framework there is a set of specific **pluggable components** (such as component for data correlation collection or component for binary data decoding, ...) each providing additional functionality to the whole system.

The idea behind the iWorkflow platform is to provide possibility to implement and test those constantly repeated patterns. Such design enables the whole system to be easily extended by adding new components without any impact to the existing ones.

Components are used as building blocks for creating processing workflows. You can use them in a form of plugin modules and then reuse them in a number of different solutions throughout graphical workflow design while preserving the clarity of overall solution design and transparency of implemented logic.

The iWorkflow is here also to implicitly ensure that nonfunctional requirements of the target solution are up to required standards.

By using the **data designer** users can define their own data structures and then use them in workflow designs for storing messages and all the other data instances that workflow works with.





- Configuration of workflows is intuitive and flexible
- You can create a flexible workflow process which can be modified at any time. Steps can be complex or simple, you can set multiple or single branching...
- Copying of a previously built process is possible, as well as using workflow as a part of another workflow
- Run sequential or parallel activities, enabling simultaneous tasks to be completed in parallel
- Set status indicators to flag processes that have various levels of urgency and enable subsequent checklist of activity within each workflow step
- Configure e-mail notification and reminder capability
- Application can meet any integration requirements and organization's unique needs





Workflow designer

Design custom forms and screens with the easy-to-use dragand-drop designer.

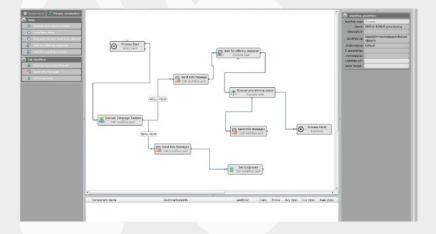
By using the iWorkflow designer it is possible:

- to define data types used with external or internal interfaces
- to add, modify and remove workflow components and connections
- edit configuration
- edit scripted code
- define rules
- · search tables and more.

Data designer

Data designer is part of Workflow designer that provides convenient and easy to use graphical tool to design data structures which can be used with internal and external workflow interfaces.

Through data designer it is also possible to define structures used as persistent tables (extension tables, stored as database tables) for which database schema, grid based GUI, query/lookup and store functions are automatically generated by the platform.







Components and connections

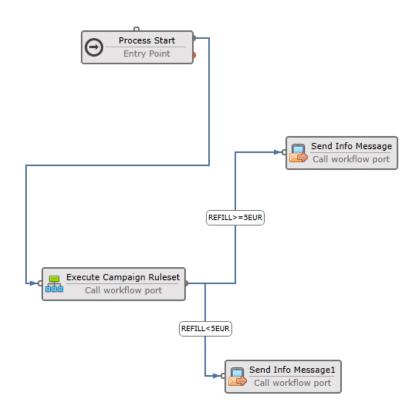
Workflow is made up of tasks carried out by the plugin components.

A component

- can have any number of input or output ports
- can provide some fixed data types (schemas) to the workflow
- can inject the meta data variables into the workflow definitions
- has its own configuration schema presentation related configuration (image, relative position of ports, etc)
- provides specific functional implementation to the workflow.

Connections are used to propagate data between components and also to control the program flow and order of execution.

Component ports are visually connected together on the designer by using the connection lines.



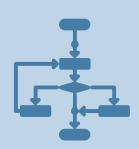


Rules component

iWorkflow comes with integrated rules component.

Rules component provides a possibility to define a set of rules, hierarchically organized, that can be used to either influence the message flow or message content or both.

Rules are defined by using a graphical user interface without any coding.



Composition of workflows

Different workflows can be connected together to create more complex definitions.

In other words one workflow can be used as a component in other workflows.

In this way some common functionality can be designed once and reused in many different scenarios.



Full flexibility through scripting

In case when some complex handling is required that cannot be managed by using other components alone, the workflow platform is equipped with rich set of features that enable convenient use of CSharp as a scripting language in the workflow definition.

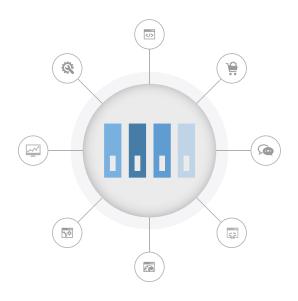
Benefits



- Accelerate business processes
- Automate processes in your organization
- Improved interaction between people and data
- Simplify communications and maintenance
- Apply changes faster
- Easy implementation of business processes across applications
- Insight into business process performance
- Lower redundancy
- Reduced administration costs
- Records of taken actions
- Easily create targeted, integrated multichannel campaigns and track their progress
- Automate any business process in your organization
- Automate assignment with business rules







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