

EZIFlow Technical Specifications

The flexible simple workflow system, built on the Microsoft .Net platform to provide a simple to use yet powerful workflow capabilities to organizations seeking to automate and streamline their document centered work processes.

General features:

- Fully multilingual (Arabic / English / French), localization includes designer interface, web control panel and engine systems messages
- Scalable n-tier architecture
- Web based control panel
- Dual APIs for easy integration in multiple environments.
- Oracle / MS SQL Server database support.
- Powerful email agents.
- Seamless Integration with Third Party Applications
- Support both Gregorian and Hijri calendars
- Automatic job load balancing among users.

Process Design:

- Define visual models of work processes
- Enable flow to follow different paths through conditional logic.
- Conditions can be programmable scripts.
- Developers can work off-line and connect and upload templates later.
- Import / Export process definitions in XML format
- No programming or scripting is necessary for core features.
- Simplified management and manipulation of process variables
- Assign absolute or relative time limits to activities
- Assign absolute or relative time limits for process completion
- Parallel routing with splitters and joiners.
- Asynchronous step completion in processes
- Sub-processes executed synchronously or asynchronously with a two-way data interchange between parents and sub processes.
- Generate special notifications during process flow
- Escalation of late processes
- E-mail notification of system events
- System events / event handlers: on start, on end, on execute, on timer
- Free scripts in event handlers allow programmer to write custom designed handlers.
- Process global data variables of many types (text, numeric,)
- Activity specific variables.
- Variables can be protected or hidden in certain activities.

Users management and security

- Ability to manage different users and groups
- Special administrative privileges to users and groups
- The system is able to set expiry times for user accounts.
- Active directory integration and single log-in support.

Web administration

- Remote administration via HTTP
- Process templates upload and download.
- Monitor Instances
- Manage access rights
- Manage workload
- Easy activation/deactivation of processes
- Force completion of steps
- Pull tasks from queues for immediate assignment
- View and change task recipients
- Delegate tasks to other users
- Abort process instances
- Instance Monitor

Auditing

- Instance Activity Report
- View/Manage log files
- Export audit trail data to XML format
- Simple and extended log views
- Graphical display of instance status

Web Access

- Prioritized task list
- Automatic browser refresh

Email Interface

- Activities can be executed directly from MS Outlook or any other email client
- Process variables and arrows can be displayed and manipulated from the mail client.
- All process objects can be tagged in mail messages to produce sophisticated to-the-point mail messages.

Forms

- Integration with Microsoft InfoPath form designer, combine InfoPath superior form design and management capabilities with EZIFlow powerful workflow engine routing and branching features.
- Easily map InfoPath form fields and buttons to EZIFlow process variables and arrows respectively.
- Complete system transparency. All workflow functions are performed in the background, users only see email notifications delivered to their mail boxes and links to forms.

Workflow Engine

- Custom code driven process initiation
- Process initiation from email message.
- Automatic Server startup and recovery
- Centralized server side database connectivity
- Flexible handling of installation of new processes

- attach files to process instances
- Secure file storage

System Integration

- Function set includes all the functionality of the workflow engine
- Two full integration APIs:
 - XML Web service interface for cross platform integration
 - DLL interface for Windows applications integration
- System event handlers can be scripted to interface with any other third party system.