



- Work more closely with business users
- Reduce time to deployment – and see benefits more quickly
- Reduce costs and minimise upfront investment
- Connect to legacy systems without investing in expensive EAI

## Workstream

### Enabling Rapid Automation of Business Processes

#### Introduction

Are you struggling to keep pace with demand from business users for new IT systems, or for changes to existing ones? Do you find it hard to get users to express their requirements clearly? And do you wrestle with development tools and methodologies that are so slow that the business's needs have often changed even before you can get the application into production?

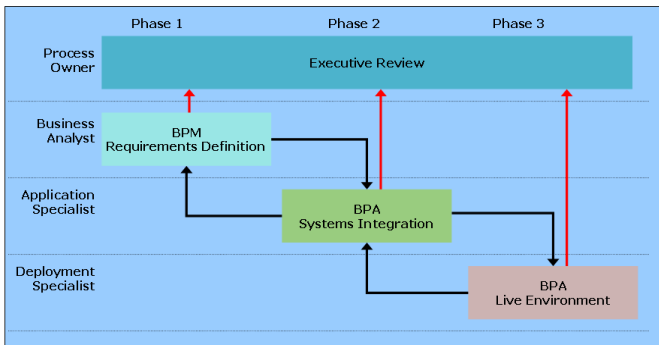
Or are you simply frustrated by the limitations of the tools and methodologies on the market? Many lock you into proprietary approaches. Often they're expensive: demanding vast upfront investment in technology, training and consultancy before you've written a line of code. And they aren't designed to help you automatically generate audit and compliance information as a by-product of normal use

Workstream Automation, through its powerful combination of technologies and services, can help you tackle these challenges. Our Workstream solution is specifically designed to seamlessly support the full system lifecycle, from analysis, development and deployment, through to providing management information to allow further process improvement.

#### Workstream Components

Our flagship Workstream Enterprise Edition solution consists of a number of different Workbenches to support each of the main project roles in any software development lifecycle:

- **Business Analysts** can use Workstream to help users model any business process, gathering workflow information on people, processes and information through a highly intuitive interface. They can then analyse processes in terms of time, resources, cost and efficiency, and look at the impact of automation and process change. Our drag and drop interface let them create forms, and quickly link them to data sources in current applications, to generate a fully working prototype for users to review and amend.



- **Developers** can take advantage of the fully-fledged Java development and debugging environment that supports Workstream to turn that prototype into a production system. Designed to run over internet-based infrastructures, applications developed in Workstream can be quickly and cost-effectively rolled out to users anywhere in the world. The connectors within Workstream allow rapid and straightforward extraction of data from back-end systems without the need for programming.

- Once the application is running, Workstream automatically provides **Business Managers** with management information such as the time taken to complete tasks. This allows them to benchmark performance within the organisation or against industry best practice, and change the application quickly and easily to implement process improvements by using Workstream's graphical modelling and programming capabilities.
- Throughout this development lifecycle, **Process Owners** can review, amend and approve every aspect of the design, prototype and production system, using intuitive web-based tools.

*The "Best Practice" Approach – Using Workstream Design Tools*



These Workbenches are underpinned by the **Workstream Process Server**, which executes the processes created in Workstream, and communicates with other applications such as databases. Workstream Server can host hundreds of active processes simultaneously.

As well as our offering core Workstream Enterprise Editions product, we have developed a range of packaged applications designed to handle common processes such as Credit Approval for Financial Service organisations or New Client Adoption for professional service practices such as solicitors. These can quickly be tailored to meet your organisation's specific needs and deployed rapidly, using Workstream's powerful modelling and application capabilities. Our experienced consultants can also work with you to deploy Workstream-based solutions. You can use them to augment your in-house resources, to give your organisation a jump-start on implementing Workstream, or to make sure you start seeing the cost savings and ROI from Workstream-based applications as quickly as possible

### Workstream Technical Architecture

Workstream offers:

Connectors are available for:

- ODBC-compliant databases, through JDBC
- HTTP
- HTTP over SSL
- EJB
- POP3/SMTP
- Web Services (XML)
- SOAP

- an intuitive, graphical, BPM-oriented design-time environment based on the industry-standard Business Process Modelling Notation (BPMN).
- a J2EE-based run-time environment, using Enterprise Java Beans (EJB).
- compatibility with J2EE servers such as WebSphere, WebLogic and JBoss.
- full access to third party EAI tools and databases through J2EE-based interfaces (JDBC, EJB), as well as connectors which allow data to be extracted from legacy systems without the need for programming.
- Web Services, including support for XML, HTTP, HTTPS, POP3 and SMTP.
- automatic detection to support deployment on PDAs as well as desktop web browsers.
- built-in document repository with full version control, audit-trail, and document indexing and searching support.

### The Workstream Advantage

Workstream has been designed by experts in business process modelling and automation to:

- ensure business users and IT experts work closely together throughout the business process automation project lifecycle, with constant review of the software against business needs.
- support rapid application development, allowing organisations to benefit more quickly from cost savings and process improvements than has been possible with traditional IT development projects.
- automatically provide management reporting on applications and processes to support continuous process improvement.
- use industry standards to allow organisations to make the most of investments in existing systems, with fast and simple integration to legacy applications and databases.
- deliver web-enabled applications that can be deployed on infrastructures from a wide range of vendors, including IBM, Oracle, Sun and Microsoft, as well as on open source infrastructure such as Linux, Apache and MySQL.
- minimise upfront investment in tools and implementation costs by taking advantage of open source software in the development of Workstream itself, and through our process-based licensing model