



Open Source Solutions

The use of the Open Source technologies in the enterprise sector is no longer a question, but a necessity for reducing ownership and operational costs. The movement itself gained its biggest popularity in the 90s with the introduction of Linux Operating system.

As a response to mass adoption and demand for support services and predictable maintenance of the products released under open-source licenses, a new market has emerged in the form of 'professional open source companies'.

With this model, businesses are able to take advantage of lower cost, early access and expansive license terms while using enterprise grade products along with the addition of professional services - like training, maintenance and technical support.

With the adoption of the open source technologies well under way, we have identified and are constantly trying to improve our offering in the following areas, as recognised by industry experts:

Cost

The combination of up-front cost savings and improved time-to-market come first and the most powerful motivation behind the adoption of the open source technologies.

Innovation

Comes hand in hand with the open source technologies as new ways of how to optimise

various software aspects are constantly emerging and being tried and tested.

Breaking Vendor Lock-In

Breaking vendor lock-in by source code availability protects you from depending upon a single provider for access to the product, enables you to implement custom functionality easily and enhances your support options.

Agility and Scale

This has never been so easily achievable. Transformation of the cost factor and expansiveness of the licenses terms allows you to deploy the open source technologies in ways not possible with the closed software.

Our Open Source solutions expertise is focussed around using Java and Java Enterprise Edition (JEE) professional open source software to build cost effective, secure, flexible and reliable systems. As a Red Hat partner and leaders in JBoss Development for over ten years, we provide a comprehensive, quality service offering around Open Source technologies.

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Our Open Source Development Team specialises in the following technologies:

- > Redhat Fuse: A lightweight, flexible integration platform that enables rapid integration across the extended enterprise—on-premise or in the cloud. We have taken many organisations, large and small, on their journey to a Modern Automated Enterprise starting with an early version of the Apache project and moving to the professional enterprise grade JBoss Fuse BPM.
- > Redhat JBoss: We incorporate the technology to work alongside the core application server, whether that is business process automation or encapsulating business rules within systems to remove the reliance on human interventions for many tasks. Customers include RS Components, Siemens Financial Services, The Copyright Licensing Agency and Danwood.
- > Open Source AWS & Azure: Recent projects have included the use of cloud based services such as Amazon Web Services (AWS) and Microsoft Azure to provide both fully cloud based delivery of open source and closed source bespoke software applications for software providers as well as hybrid environments for end customers just embarking on a programme to move their systems to a cheaper and more available/accessible delivery method. Recent projects have combined the development of JAVA based applications using Open Source components, deployed using Microsoft Azure, through to mobile applications delivering services globally.
- > SOLR: An Open Source project based around the core Lucene search engine, but providing highly performant and scalable Enterprise level search, with high-end search capabilities such as faceted search. The technology is embedded in many commercial software vendors' products, but can be integrated easily into bespoke applications. We have extensive experience with a UK leading TV broadcaster as well as The Copyright Licensing Agency and leading STM publishers.
- > Redhat jBPM: A enterprise Redhat project based on the core open source project enabling organisations to model their business goals by describing the steps that need to be executed to achieve that goal and the order, using a flow chart. This greatly improves the visibility and agility of your business logic, results in higher-level and domain-specific representations that can be understood by business users and is easier to monitor. We have deployed jBPM across a number of market sectors and customers from retail to financial services.
- > Spring: An Open Source project which enables the development of applications faster by making use of a proven developer framework looking after many of the core processes that would otherwise have to be manually coded, tested and supported. We have worked with Spring on a number of large scale application builds including global e-commerce systems with real-time integration to SAP and JE Edwards ERP's to manage inventory, finance and distribution.
- > Drools and Redhat BRMS: An Open Source Business Rules Management System solution. It provides a core Business Rules Engine, a web authoring and rules management application (Drools Workbench) and an Eclipse IDE plugin for core development.

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