



ONE POINT
CONSULTING LTD



Message-centric communication platform

Open Source Systems Integration and Development – Case Study

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Table of Contents

Table of Contents	2
Background.....	3
One Point's role	3
The Business Benefits	3
Client Feedback	4
Further Information	4

Background

Eventra's software is used by many of the world's leading and most profitable aerospace and automotive corporations. Everybody who has flown in a plane or driven a car has used items manufactured with Eventra's Vendor Site supply chain software. Eventra software is also used in business intelligence applications for two of the three of the world's largest credit card processing organizations as well as in other areas of equities and fixed income applications.

One Point Consulting Ltd. ("One Point") came to their attention as an Alfresco partner that is experienced in messaging (One Point has experience in implementing Zimbra messaging solution), with a team that possessed the experience and skill-sets required to implement this project successfully. One Point's deep-technical expertise and know-how in Open Source was a decisive factor that allowed Eventra to shortlist One Point as their consulting, SI and development vendor for this project.

One Point's role

One Point was contracted to architect, design and implement the next generation of email archiving solution that will also improve Eventra's ability to implement additional intelligent email processing, routing capabilities and LDAP import.

Upon careful analysis of Eventra's requirements, One Point suggested a solution comprising mainly of Open Source components. The solution-set included integration of enterprise-grade Open Source Software ("OSS"), such as Alfresco ECM, Liferay Portal Server and JSIG CAS (Single Sign-On system) and development of portlets for providing the user-interfaces for a variety of email packages including Exchange, Zimbra and Sendmail.

In addition One Point also short listed Open Source development frameworks, such as the ExtJS framework for Ajax functionality in the portlets, Grails for rapid development of mid-size custom applications (like the transaction management application), and Apache Tomcat as the servlet container.

There was also the need to include Proprietary libraries, like the Tasman SDK for barcode recognition and PDFlib for PDF document personalisation for Fax cover pages.

Project was delivered in several phases.

The resulting solution is completely web-based, thus, allowing the users to use it without the need of any special client, other than the web browser.

Application integration was based on well-defined and emerging standards such as JSR168, JSON and REST.

The Business Benefits

The key business benefits delivered are:

- Avoiding vendor lock-in to proprietary software. Using open source and standard based systems will enable Eventra to work with a variety of fax and EDI gateways, including Open Source products like Asterisk. Currently they are locked into proprietary systems.
- Reduced cost of implementation and deployment – using open source products has reduced the cost base and will enable Eventra to deploy these gateways in multiple geographic regions at much lower cost Application has been architected to support a geographically distributed deployments in service provider environments
- Modular architecture allows phased incremental delivery building on proven foundation.
- A scalable architecture that can expand as required to meet business growth.
- Enhanced functionality such as better number management.

Client Feedback

One Point's architectural competence in adapting open-source technology to our miles of Java and .NET code is rare. It becomes even more extraordinary in light of our client base, which primarily consists of large, demanding organizations. These firms have complex communications formats with intricate workflow and content parsing requirements, and the demand for greater speed and throughput grows constantly. It is not uncommon to have to process a hundred thousand messages in as little as fifteen minutes using fax, e-mail, IM, Blackberry and voice technology while reporting on transmission success.

Despite these formidable demands, One Point has never failed to meet its commitment to quality and timeliness, leading to their office nickname "One-Week One Point". Its personnel are always intelligent, engaged, accessible, dependable, and quick on the uptake. One Point consistently surpasses our expectations, and we are looking forward to many years of successful partnership.

Further Information

For further information about this case study please feel free to contact:

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For further information regarding Eventra please contact Eventra at www.EVENTRA.com