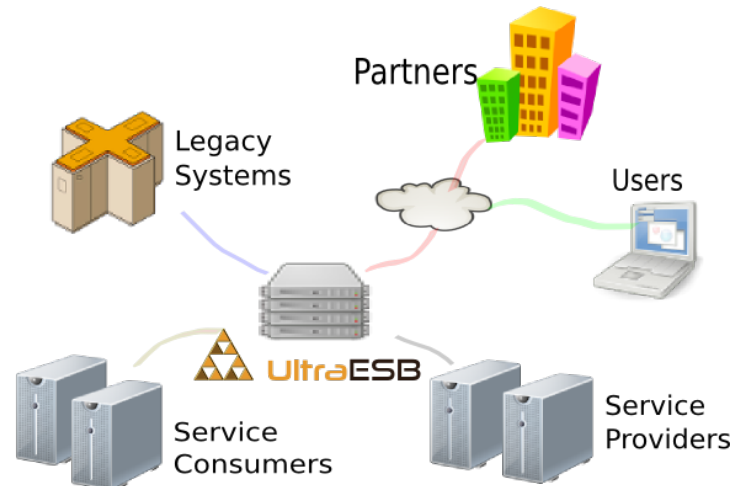**UltraESB**

The UltraESB sits between service endpoints and service consumers and facilitates the integration of disparate systems by mediating the messages passing through.

Messages may flow into or out via:
- HTTP/S
- Email (POP3, IMAP, SMTP)
- MLLP/S
- TCP/S
- JMS
- AMQP
- JDBC (Database)
- S/FTP, FTPS, File
- AS2
- Quartz / CRON based scheduling

> Our objective and passion, is to build the best ESB - in terms of Ease of use, Performance and the Ability to Extend

By introducing an innovative Zero-Copy proxying model coupled with Non-Blocking IO [NIO] and Memory mapped files/RAM disks, the UltraESB has proven its lead in extreme performance against other open source and commercial ESBs

The messages maybe mediated using
- Java code fragments or classes
- JSR 223 scripting languages (Ruby, Groovy, Javascript etc)
- XSLT / XQuery / HAPI
- Any compiled Java class / library
- Spring beans, EJBs and Custom code

Additionally, supporting
- Cloud friendly Clustering, and node fail-over for High Availability
- Local and distributed Caching and Throttling
- Authentication, Authorization, and Security
- JTA XA and resource local transactions

Management and Monitoring
- 'UConsole' - Web based management console to manage an instance or cluster
- Command line interface 'UTerm' for system administrators and scripts
- Automated Zabbix integration with customizable templates for monitoring, alerting and graphing

The messages may be
- SOAP 1.1 / 1.2
- REST, JSON, Protocol Buffers
- XML / POX, JAXB,
- Hessian, FastInfoset
- Binary, Text, Map, CSV
- HL7, EDI, EDIFACT, X12,
- or many other formats

AdroitLogic

Easier to use - Learn, Develop, Debug and Unit Test

The UltraESB does not force its users to use a customized and heavy IDE. Instead you are free to use IntelliJ IDEA, Eclipse, NetBeans or another IDE as you prefer, and use auto-completion support for configuration as well as mediation. Best of all, you can test and step-through debug your configuration from within your IDE, and write unit tests to ensure features work as expected without regression or performance issues.

Mediate with Java or any JSR 223 scripting language (Groovy, Ruby, Javascript etc)

The UltraESB allows one to mediate messages using Java code fragments, JSR 223 scripting languages, compiled classes / libraries, third party JAR files, Spring beans or EJBs etc. This allows mediation logic to be simple to learn, debug and unit test by any Java or scripting language developer.

> "In a very demanding and rapidly changing market it is of utmost importance to be able to quickly adjust the technical platform to support product innovation and change. The UltraESB was able to demonstrate to the Jesta Digital Technology team in Berlin that its simplicity, testability, extensibility and performance is made for a matching foundation"
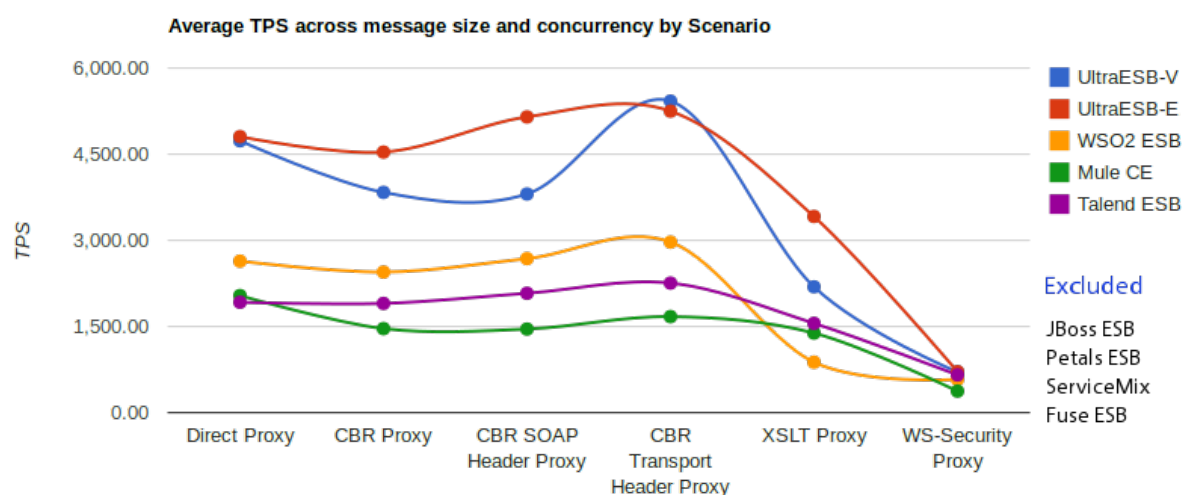>
> - Eric Hubert, Executive Director Strategy and Architecture, Jesta Digital

Open Source and Commercial Licensing with optional Enterprise Support

The UltraESB is available under the OSI approved Affero General Public License [AGPL], as well as under an enterprise friendly, zero-dollar commercial license. We currently support production deployments at large enterprise installations in the US, EU and Asia. 24x7 production support, custom development, training and consultancy are available world-wide.

ESB Performance

AdroitLogic conducts regular performance benchmarking against many comparative ESBs. The complete performance benchmark is shipped with the UltraESB distribution, and the ESB Performance site http://esbperformance.org includes references to re-execute a comparison against many other alternatives

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