

EMPOWERING CONVERGENCE

COLIBRIA SIP INSTANT MESSAGING SOLUTIONS



AS MOBILE PHONES, NETBOOKS, PCS, SET TOP BOXES AND GAME CONSOLES CONVERGE AROUND IP BASED NETWORKS, ACCESS TO MESSAGING SERVICES FROM ANY DEVICE, THROUGH ANY NETWORK AND FROM ANY LOCATION BECOMES A REALITY. FOR OPERATORS AND SERVICE PROVIDERS, MESSAGING OFFERS A FAMILIAR AND TRUSTED SERVICE WITH PROVEN REVENUE.

Metaswitch's Colibria portfolio is leading the drive to extend messaging applications across IP networks to any IP based device, opening up new revenue opportunities for the operator or service provider—a network-centric approach that offers a unified and trusted service environment for end users also.

The Colibria SIP SIMPLE IM Server provides a proven platform on which extended messaging and communication services can be deployed, enabling advanced capabilities like sharing multimedia content between individuals, groups and communities.

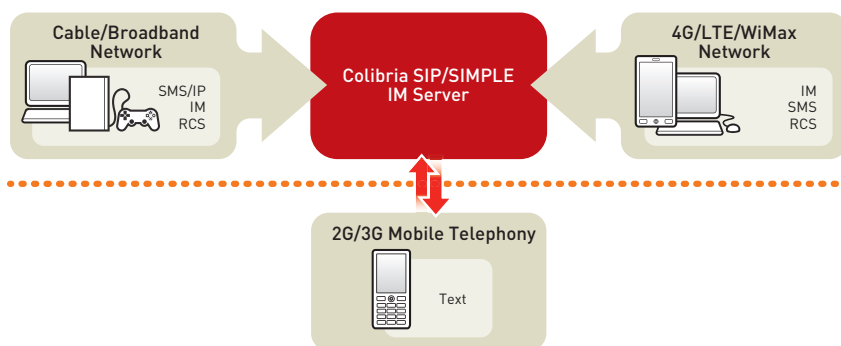
Deployable across pre-IMS and IMS infrastructure, in mobile, fixed and converged networks, the Colibria SIP SIMPLE IM Server offers the flexibility and feature-set that has made Metaswitch a market leading messaging pioneer. With seamless interworking to legacy messaging solutions, the addressable subscriber community size is maximized for the operator.

The Colibria SIP SIMPLE IM Server can be deployed as a standalone messaging service or enrich any existing SIP based service such as IP Telephony with instant messaging.

RICH COMMUNICATION SUITE

Metaswitch is a member of the GSMA Rich Communication Suite (RCS) initiative. RCS aims to speed up the evolution of interoperable rich communications services between mobile devices. The Colibria SIP SIMPLE IM Server plays a pivotal role in ensuring that the concept of "rich communication", as defined in RCS, becomes a reality for operators, service providers and end users alike.

The Colibria SIP SIMPLE IM server is compliant with the requirements of RCS Release 2 and 3, and when combined with Colibria SIP SIMPLE presence, XDMS and network address book products can be used to provide a complete RCS Solution which runs on top of the IMS infrastructure.



A FULLY COMPLIANT SOLUTION

The Colibria SIP SIMPLE IM Server provides a cost effective and easy way to deploy integrated messaging services. It is fully compliant with Open Mobile Alliance (OMA), 3GPP IMS standards, and the requirements of the GSMA Rich Communication Suite (RCS) initiative.



KEY FEATURES

MULTIPLE MESSAGING MODES

The Colibria SIP SIMPLE IM Server supports multiple messaging modes including Pager Mode, Large Message Mode and Session Mode, incorporating MSRP (Message Session Relay Protocol) for content transport where required. Any type of message content can be transported whether text, file transfer (e.g. multimedia share) or any other content.

BILLING AND POLICIES

The Colibria SIP SIMPLE IM Server allows operators to charge both for pager mode and session mode messages, as well as file transfers and group communications. Both CDR-based and online billing is supported. Operators can also set policies that all messages will be checked against. This way, an operator can implement a service fitting its exact requirements and balancing cost and benefits.

GROUP MESSAGING AND CHAT ROOMS

The Colibria SIP SIMPLE IM Server supports group messaging as well as both ad hoc (private) and pre-defined (public) chat rooms. The initiating user either uses the Sipping URI list mechanism for including the message recipients in the case of group messaging and private chat rooms or specifies a public group name for predefined groups. In the case of chat rooms, users have the option to subscribe to participants' information and to receive notifications of which group members are active, have left, or have joined the chat room.

DEFERRED MESSAGING

Deferred messaging capability ensures that users never miss a message as a result of being offline. SMS wake up is supported to "wake" offline IM clients and SMS notifications can be used to alert the user of waiting messages.

INTEROPERABLE CLIENTS AND NETWORKS

The Colibria SIP SIMPLE IM Server complies with the requirements defined by the IETF, 3GPP and OMA standards. It will seamlessly integrate with any third party client that is SIP compliant, regardless of the device. This has been proven in deployments and interop tests across the industry. It can be deployed as an IMS application server using its 3GPP ISC interface and has proven interoperability with all major IMS solutions available today.

PERFORMANCE AND SCALABILITY

A non-blocking and multi-threaded design combined with load balancing ensures high performance and almost limitless scalability. One installation can serve multiple domains (virtual domains), while the ability to forward messages to (or receive from) foreign domains ensures that users can communicate with virtually any SIP-enabled IM user in the world.

LEGACY INTERWORKING

The Colibria SIP SIMPLE IM Server allows subscribers to exchange messages with legacy mobile users (i.e. SMS) extending the reach of the service and allowing them to engage in conversations with anyone, regardless of whether they are using IM. SMS users can be easily added to IM buddy lists.

INTEGRATED SUPPORT AND MAINTENANCE

The Colibria SIP SIMPLE IM Server is underpinned by our market leading software management platform. This platform provides service monitoring, alarms (SNMP v2), statistics, maintenance, and generates Call Detail Records (CDRs). It seamlessly integrates with an operator's billing and customer care applications.

FUTURE ORIENTED

The Colibria SIP SIMPLE IM Server provides a clear roadmap from legacy oriented services towards SMS over IP, Converged IP Messaging (CPM) and other IP based messaging services and technologies. This allows operators to launch state-of-the-art services without sacrificing future flexibility.

PRODUCT SPECIFICATIONS

THE COLIBRIA SIP SIMPLE IM SERVER COMPLIES WITH THE REQUIREMENTS OF THE OMA SIMPLE IM VERSION 1 SPECIFICATION. FEATURES INCLUDE:

- Originating, Controlling, and Terminating participating functions
- Pager Mode, Large Message Mode (MSRP), Session Mode (MSRP) and File Transfer
- Group and chat room messaging
- Multimedia messaging
- Subscription to participant information
- Integrated MSRP switch and proxy
- Deferred Messaging Function
- Customizable offline message notification
- Use of DMF XDMS

THE FEATURE SET IS FURTHER ENHANCED BY THE FOLLOWING FEATURES:

- SMS Continuity
- Media traversal connection support for clients behind NAT/ firewalls
- SMS Wakeup
- SMS Notification
- Content Type Filtering
- Client Type Filtering
- Multiple domain support

