



The Power of Presence™

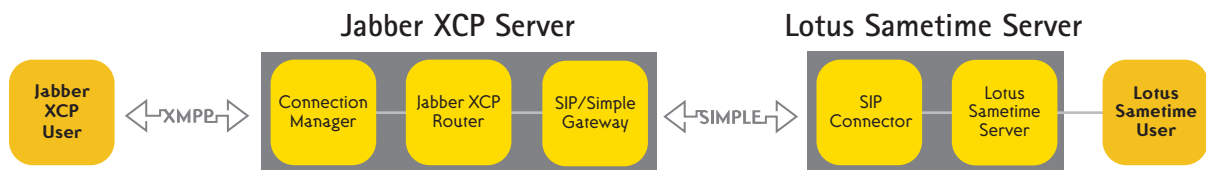
# SIP/SIMPLE GATEWAY

The leading protocols for enterprise instant messaging (EIM) are the Extensible Messaging and Presence Protocol (XMPP) and Session Initiation Protocol (SIP) for Instant Messaging and Presence Leveraging Extensions (SIMPLE). In 2004, XMPP was ratified by the Internet Engineering Task Force (IETF) as the first standard for messaging and presence. The SIP/SIMPLE protocol is still evolving in the standards process, but has been adopted by Microsoft and IBM. As the premier XMPP-based solution, and because of its native support for server-to-server networking, Jabber Extensible Communications Platform (Jabber XCP) users have enjoyed the benefits of cross-organizational communication for many years. With the purchase of Jabber, Inc.'s optional SIP/SIMPLE Gateway, Jabber XCP users can communicate with users on SIP/SIMPLE-based systems such as IBM Lotus Sametime, while maintaining communication with other users on XMPP-based solutions.

## CROSS-PROTOCOL COMMUNICATIONS

Jabber, Inc.'s SIP/SIMPLE Gateway enables communication between users of Jabber XCP and Lotus Sametime. Functionality that is available on both systems, such as sending messages, adding a user to your contact list, exchanging presence and availability information, is available to users through the SIP/SIMPLE Gateway.

## SIP/SIMPLE GATEWAY ARCHITECTURE



Jabber XCP uses a multi-tiered architecture. The example shown above demonstrates how a Jabber XCP user communicates with a Lotus Sametime user. The SIP/SIMPLE Gateway is located in the organization's demilitarized zone (DMZ), and enables server-to-server networking and Lotus Sametime interoperability.

## TECHNICAL INFORMATION

Two general prerequisites exist on the Lotus Sametime side for Jabber XCP and Lotus Sametime to communicate. The Lotus Sametime system must be Domino 6.5.x, and the Lotus SIP Connector must be installed for communication to other servers. Lotus Sametime installation instructions recommend that the SIP Connector reside on a separate server from the Lotus Sametime installation. It is helpful to test the Lotus Sametime configuration by using the Lotus SIP Connector to communicate between two Lotus Sametime servers before initiating communications with a Jabber XCP server.

After installing Jabber XCP 4.1 or higher, the SIP/SIMPLE Gateway is ready for installation. It can be deployed on the same or a different server, depending on expected traffic. The SIP/SIMPLE Gateway:

- Provides server-to-server connections, with maximum scalability
- Supports management through the Web browser-based Jabber XCP Controller
- Uses Simple Network Management Protocol (SNMP) counters to monitor and track domains connected or communication errors
- Enables server-to-server networking between Jabber XCP and SIP/SIMPLE systems, allowing users to collaborate with partners, vendors, and customers

## THE FUTURE

EIM is an invaluable tool, aiding in real-time business problem solving, connecting employees across distances, and generally making communication more efficient. While EIM is used within organizations, its utility increases when extended outside the organization's firewall boundaries. When users no longer have to worry about whether EIM systems interoperate, they can enjoy the true benefits of real-time, presence-powered communication with associates throughout the world.

For years, this world of cross-organizational EIM has been open to Jabber XCP and other XMPP-based systems. Now Jabber, Inc.'s SIP/SIMPLE Gateway opens up interoperable EIM to Jabber XCP and Lotus Sametime users, and Jabber, Inc. will continue to add support for other SIP/SIMPLE-based systems in the future. Additionally, since the gateway includes a native SIP stack, organizations can integrate Jabber XCP with a variety of SIP-based applications, including Voice Over Internet Protocol (VoIP) systems, driving additional value for knowledge workers.

## ABOUT JABBER, INC.

Jabber, Inc. delivers a presence, messaging, and Extensible Markup Language (XML) routing infrastructure for powering real-time applications, systems, and services. From EIM, to conversational trading systems, to presence-enabled customer service applications, Jabber, Inc. gives businesses a competitive advantage by accelerating time-sensitive business processes and communications.

More than seven million users, representing hundreds of organizations worldwide, have licensed Jabber, Inc. solutions to bring the power of presence into their working environments. Jabber, Inc. counts France Telecom, Lehman Brothers, HP, AT&T, FedEx, BellSouth, McKesson Corp., EDS, Arcelor, CapWIN, and Portugal Telecom among its customers.

