



BroadWorks and IBM WebSphere

BroadSoft® and IBM® bring service providers the most powerful, standards-based application infrastructure for voice services combining the power and flexibility of Web 2.0 paradigms in their offerings.

The combination of BroadSoft's VoIP application platform, BroadWorks®, with IBM's Service Provider Delivery Environment (SPDE) 3.0 framework, creates a complete IP Multimedia Subsystem (IMS)-ready application infrastructure designed to simplify the integration of rich voice applications with Web 2.0 applications and presence capabilities.

BroadWorks and the WebSphere® Application Server (WAS), together, provide the key building blocks for deploying high performance voice, video, instant messaging, and presence solutions. Starting with these functions, rich APIs, and a Web 2.0 strategy, service providers can rapidly develop next-generation, highly differentiated, converged services for the communications industry.

Sharing a high standard based approach, the BroadSoft – IBM solution provides an application development platform for carriers to manage their own internal program for new services development and for full control of their development roadmap.

BroadSoft Xtended Services Interface (XSI)

BroadWorks integrates with WebSphere through the Xsi, an application programming interface that supports the integration of BroadWorks voice and video functionality. The Xsi provides a set of Representational State Transfer (REST) APIs that allow resources to be defined and addressed over HTTP with simple XML, the fundamental building blocks of Web 2.0 development. Exposed areas of functionality include: Call Control, Call Status, Call Lists, and Service Control.

IBM WebSphere Presence Server and WebSphere XML Document Management Server (XDMS)

The WebSphere Presence Server is a stand-alone, carrier grade server that collects, manages, and distributes real-time information about access, availability and willingness to communicate across applications. It is bundled with the WebSphere XML Document

Key Standards

The BroadSoft – IBM solution is built on leading industry standards that drive the service development process as follows:

- 3GPP IMS provides the standards architecture
- Open Mobile Alliance (OMA) for enabling services: presence, IM, Collaboration
- Rich Communications Suite (RCS) initiative for reference solution design

Through these standards, the BroadSoft – IBM solution enables operators to build services that leverage protocols that include SIP, SIP Servlets, HTTP Servlets, Parlay, Parlay X, IEFT, OMA, and the 3GPP standards compliant enablers for Presence and XDM, VoiceXML, CCXML, and access to legacy services.

Management server for creating and managing network-stored groups.

The WebSphere XML Document Management Server (XDMS) is a stand-alone, high performance server that enables users and administrators to define and manage network-based XML documents such as group lists, user profiles, contact information, authorization rules, and policy data.

Both the WebSphere Presence Server and the XDMS runs on the WebSphere® Application Server, offering advanced performance, management and high-availability. WAS delivers a truly converged SIP/HTTP container which enables high availability and session management using the same mechanisms while reducing complexity and lowering operational cost.

BroadWorks interoperate with WebSphere Presence and XDMS to provide:

- Exposure of real-time presence and network-based group list management capabilities in applications built using BroadWorks Xsi API
- Call Control, Call Status, Call Lists, and Service Control capabilities in applications exposing real-time

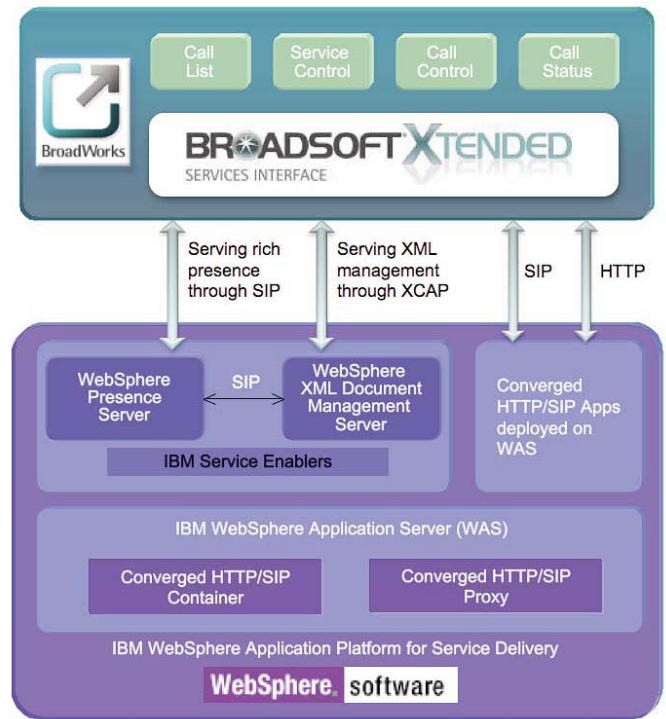
presence and network-based group list management capabilities

Summary

The effectiveness of this BroadSoft – IBM solution reflects the carrier orientation of both companies — emphasizing open and straightforward interfaces, extensibility, and a reliance on leading standards. Equally important, BroadWorks and WebSphere brings a level of scalability, security, and manageability unparalleled in the industry.

Furthermore, BroadWorks and WebSphere combine with the IBM Rational and the WebSphere Business Process Fabric to add tools and business process templates for operators to achieve new levels of service development productivity and effectiveness.

Finally, this solution drives services through a variety of access networks, a key requirement for next-generation operators seeking to extend service reach as well as incumbent telcos hoping to leverage fixed and mobile network assets.



BroadWorks Interworking with WebSphere through the Xsi