



PRESS RELEASE

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RADVISION ANNOUNCES NEW VERSION OF SIP SERVER TOOLKIT FOR DEVELOPING FEATURE-RICH VOICE AND VIDEO TELECOM SOLUTIONS

*New Version Brings Class 5 Features to IP Networks;
Incorporates Advances in User Management and Notification, Leveraging SIP Presence*

Glen Rock, New Jersey, June 16, 2003 – RADVISION (Nasdaq: RVSN), the leading vendor of SIP developer toolkits in the market, today announced the general availability of version 1.5 of its SIP Server Developer Toolkit, with two new important optional modules; Presence and Back-to-Back User Agent (B2BUA). B2BUA takes what is traditionally a SIP end-to-end call and mediates it through a central SIP server, enabling service providers to manage and track a call from beginning to end, integrate and offer new value added features, and generally bring Class 5-type functionality to IP networks.

With this new version, equipment manufacturers can now develop voice and multimedia telecommunications equipment that seamlessly interwork with other communications networks, deliver centralized call and feature management, and provide end-users with advanced communications functionality, such as presence. Products that benefit from SIP servers, Presence and Back-to-Back User Agents include Softswitches, Application Servers, SIP-base IP-PBXs, Conference Bridges, FW/NAT traversal applications, 3G Servers and SIP Proxies.

Earlier this year the RADVISION's SIP Server Developer Toolkit won Communications Solution's Product of the Year Award for 2002. Version 1.5 of this award-winning toolkit features enhanced server-grade application capabilities, a new internal multi-threading model, additional support of IPv6 and multi-homed hosts, in addition to the new B2BUA and Presence modules.

“As IP telephony continues to mature and new features and functionality emerge that not only rival but surpass traditional telephony and multimedia communications, the needs for advanced SIP development platforms becomes all the more important,” said Jacob Bridger, VP of marketing and sales for RADVISION’s Technology Business Unit. “We at RADVISION have been tracking both the needs of our development customers and the SIP standards bodies closely and we now feel that presence functionality and B2BUA, which enables true call control and protocol interworking, are now crucial features of any SIP development kit.”

“With the advance of SIP and the increase number of applications designed for SIP-based equipment, server logic has become increasingly complex,” Bridger continues. “SIP Servers now need to deal with varying network topologies (such as public Internet networks, cellular networks, broadband residential networks, etc.), complex routing policies, security, and SIP extensions. To be a true carrier-class technology these servers must supports high message/transaction rates, and deliver real-time performance, scalability, high throughput, and low delay. RADVISION’s SIP Server Developer Toolkit v1.5, with these two new modules, addresses these needs like no other solution in the market today.”

Back-to-Back User Agent

Traditional SIP servers route messages to user agents but do not modify message or body contents. With the Back-to-Back User Agent (B2BUA) module, the SIP server becomes an active participant in the call from beginning to end, as all signaling messages pass through and are processed by the B2BUA at all times. A B2BUA maintains call state and actively participates in sending requests and responses for dialogs in which it is involved.

This B2BUA functionality provides major new functionality including:

- Centralized call management due to the B2BUA’s active participation in a call. This feature gives the network operator tight system/call management and is particularly important when the SIP platform is administering Class 5 features (PBX functionality), as well as general call control such as automatic disconnect of calls (e.g., if the caller runs out of pre-paid minutes) or call modification (e.g., changing codecs).
- Interworking with alternative networks by actively processing signaling and message bodies throughout the duration of the call. The B2BUA may act as a bridge between SIP and H.323 networks, where the B2BUA can convert SIP signaling to H.323 signaling, and vice versa, an important feature for service providers with next generation networks who are now having to support both types of IP end points and signaling, SIP and H.323

- Enables SIP-based VoIP interworking between LAN and WAN. SIP telephony applications have traditionally had a difficult time with firewalls and network address translation (NAT) devices due to the need for manipulation of SIP message and message bodies from the private to public addresses. However, a SIP server running B2BUA maintains the call status and is able to alter and modify SIP message header/bodies and by this solve the translation issues between the LAN and WAN.
- Advanced billing is enabled by management and monitoring of the entire call state by the B2BUA, enabling usage, billing and accounting to be easily tracked
- Cloaking of end point location, enabling both custom anonymizing services as well as replicating circuit-switched private number telephony services. Because all signaling passes through and is processed by the B2BUA, developers using the RADVISION SIP Server Toolkit can now offer applications and platforms that dynamically cloak the identification of end points.

Presence

As Presence moves from its initial application, IM (Instant Messaging), to more robust communications applications such as voice and videoconferencing, SIP servers can now include functionality that supports advanced Presence that goes beyond simply indicating online/offline, thereby enabling equipment vendors to build advanced SIP-based communications platforms that are unattainable in traditional IP and circuit-switched platforms.

Responding to this need, the second module in RADVISION's SIP Server Toolkit v1.5 is Advanced Presence Management functionality. Solutions built on this new module will enable users interested in receiving presence information (a Watcher) for another user (Presentity) to subscribe to his/her Presence status and receive Presence notifications from the Presence system. Presence status is not just on-line/off-line. For example the status information can be location based, specifying from whom/what location a user accepts a call from.

The RADVISION Presence module is composed of the following features:

- Support of one or more Presence User Agents (for example, phone, cell-phone, PDA, soft PC client, and geo-location system)
- Receipt and handling of Presence subscriptions from Watchers
- Receipt and management of Presence data from the Presence Agents (either through SIP or via other means)
- Composition of Presence status notifications from fragments of Presence data
- Notification of all subscribed Watchers when the Presence status of a Presentity, in which they are interested, changes

Availability

The RADVISION SIP Server Developer Toolkit version 1.5 is currently available worldwide.

About RADVISION

RADVISION Ltd. (Nasdaq: RVSN) is the industry's leading provider of high quality, scalable and easy-to-use products and technologies for videoconferencing, video telephony, and the development of converged voice, video and data over IP and 3G networks. For more information please visit our website at www.radvision.com