

# Reach beyond your federation environment

## - Maximize the value of Microsoft Live Communications Server (LCS) 2005

Microsoft Live Communications Server (LCS) 2005 allows employees to use rich communication tools with the Windows Messenger client such as Voice over IP (VoIP), presence, instant messaging (IM), video, whiteboarding, and other realtime communications functions within the company's local area network (LAN). With Ingate products it is possible to reach outside the company LAN using the full-fledged, proven communications platform that Microsoft LCS 2005 offers. In this manner, users can communicate with colleagues and customers who reside outside their LAN. The Ingate Firewall® and Ingate SIParator® maximize the full value of your Live Communication Server investment by lifting the normally present barriers of the LAN and allowing businesses to achieve true global connectivity. By using the Internet to carry all methods of communication, businesses have the flexibility to choose how to communicate, whether it is with voice, video, IM or any other method over IP. Users can speak with anyone, anywhere, at any time as long as there is an Internet connection.

### Typical customer constraints

By incorporating Microsoft LCS 2005, companies and organizations get the best in realtime person-to-person communications within the company LAN. However, businesses with multiple locations find themselves limited in how they can communicate with each other and other business contacts since, with LCS they are restricted to using only presence and IM functions with anyone outside their LAN. Other applications such as VoIP, video, remote assistance and whiteboarding are available only to those communicating within the company LAN. In this all-to-common scenario, businesses are unable to embrace the full potential of their investment.

Applications in the Microsoft Messenger client are based on the standard industry protocol for realtime communication; SIP (Session Initiation Protocol). Most firewalls are unable to differentiate between realtime IP applications based on SIP (such as VoIP) and unwanted traffic. As a result, all SIP based communications (except IM and presence) are blocked. This is why many companies only use realtime communications within the LAN, which creates isolated communication islands that cannot use flexible, rich communication tools when working with one another.

### No enterprise is an island

In order to make global connectivity a reality, it is necessary to connect all the communication islands into one entity, following a standards-based set of rules and techniques.

Ingate products offer complete support for the SIP protocol, allowing realtime IP communications to traverse the firewall and reach anyone outside the company LAN.

With Ingate products companies can extend the benefits of connecting people, information and processes in realtime to include colleagues in branch offices, customers and partners. This can be done in a secure way by utilizing the security mechanisms in Microsoft LCS 2005 with encryption and authentication (TLS).

### Mobility for the workforce

Ingate offers Remote SIP Connectivity (RSC) as an add-on software module to its Firewalls and SIParators, allowing users outside of the enterprise network to be reachable, even if they are situated behind NAT devices, i.e. at hotels, at home, surf zones, and at airports. No longer will remote NATs be a problem for the road warrior working from a hotel room or for the employee working from home. Regardless of their location, they will be able to utilize the same communication tools as they use in the office. Ingate RSC brings the Microsoft LCS communication platform to the far-flung employees, making them accessible from anywhere, at anytime.

### Ingate Firewalls – providing traditional network security and allowing realtime communications

Ingate Firewalls are the world's only fully SIP-capable firewalls, making Ingate the ideal choice for enterprises that want access to SIP-based communications such as presence, IM, voice and video conferencing. Ingate products include a full SIP proxy and SIP registrar, as well as support for NAT and PAT. They also support TLS for encrypted SIP signalling, which means that IM is automatically encrypted. The TLS support is also a prerequisite to be able to use Microsoft LCS outside the company LAN.

### Maintain existing security investment – add the Ingate SIParator

The Ingate SIParator is a unique solution that seamlessly works with any existing firewall, preserving investments in security technology while allowing employees to utilize SIP-based applications.

Ingate's Firewalls and SIParators are available worldwide and come in a range of models to meet the needs of the entire enterprise market.

For more information about Ingate products, please contact Ingate at [info@ingate.com](mailto:info@ingate.com) or visit [www.ingate.com](http://www.ingate.com)

