



# Ingate® Remote SIP Connectivity

For businesses that want to connect with home office workers and road warriors, Ingate® Systems offers Remote SIP Connectivity, an applications module that enables far-flung users to leverage the benefits of VoIP, instant messaging, presence, video conferencing and other forms of communications based on the SIP protocol that are already integrated into the company's network. With Remote SIP Connectivity, employees can enjoy the efficiency of SIP communications no matter where they are: in the office, at home or on the road.

SIP-based person-to-person communications are expected to be the next evolution of Internet usage after email and the Web, offering businesses rich communications options. However, SIP-based communications do not reach users behind firewalls and NATs automatically.

Enterprises can connect their private networks (the LANs) to the SIP world by using SIP-capable firewalls or SIPParators from Ingate. However, until all firewalls can handle the SIP protocol, there will be many situations where SIP communications, e.g. VoIP, will not function. This can be the case when, for example, there are home workers using SIP-unaware residential firewalls, or when employees "on the road" want to leverage the benefits of SIP-based communications from their hotel rooms. Remote SIP Connectivity is an add-on module for all Ingate Firewalls and Ingate SIPParators that will handle many of these situations, allowing users behind most remote (non SIP-aware) NATs and residential firewalls to communicate via SIP through the enterprise equipped with the Ingate Firewall. Remote SIP Connectivity makes it possible for businesses using an Ingate Firewall or SIPParator to allow their employees working at remote locations to use the SIP communications implemented in the enterprise.

Remote SIP Connectivity is the only product available today that delivers far-end NAT traversal from the enterprise firewall itself, eliminating the need for costly session border controllers in the corporate environment.

Remote SIP Connectivity – which also includes a STUN server – provides one of the most comprehensive SIP-based remote connectivity offerings on the market. With Ingate, businesses get the most advanced SIP-capable firewall available, and a single vendor to satisfy all SIP NAT-traversal requirements.

## Connecting Users Behind Remote NATs

Ingate's award-winning products have long included support for near-end NAT traversal. When SIP-enabling an enterprise LAN network, some employees may still be situated in remote locations behind NATs or firewalls not capable of handling SIP communications, effectively disrupting a VoIP connection. Far-end NAT traversal resolves this disruption by managing the SIP traversal of the remote NAT from a central location. Remote SIP Connectivity allows displaced users to traverse most SIP-unaware residential firewalls and NAT devices and use SIP communications through the Ingate product in the enterprise. The solution works for most common remote NATs, even symmetric ones, and for remote residential firewalls not being too tight (e.g. having critical ports closed from the inside of the remote LAN).

Ingate Remote SIP Connectivity addresses a wide range of business needs:

- VoIP-enable single users working from home and even hotel rooms – without buying new equipment.
- Have staff that travel frequently? Ingate's solution lets employees traverse most basic hotel NATs so they can continue to use realtime communications while they're away.
- Revitalize Internet-based support services with the immediacy of "click to talk" features

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## Ingate STUN Server

By incorporating a STUN server into Ingate's SIP-capable Firewalls and SIParators, Remote SIP Connectivity allows remote users who are using a STUN capable SIP client to traverse the NAT without having to locate a STUN server on the internet.

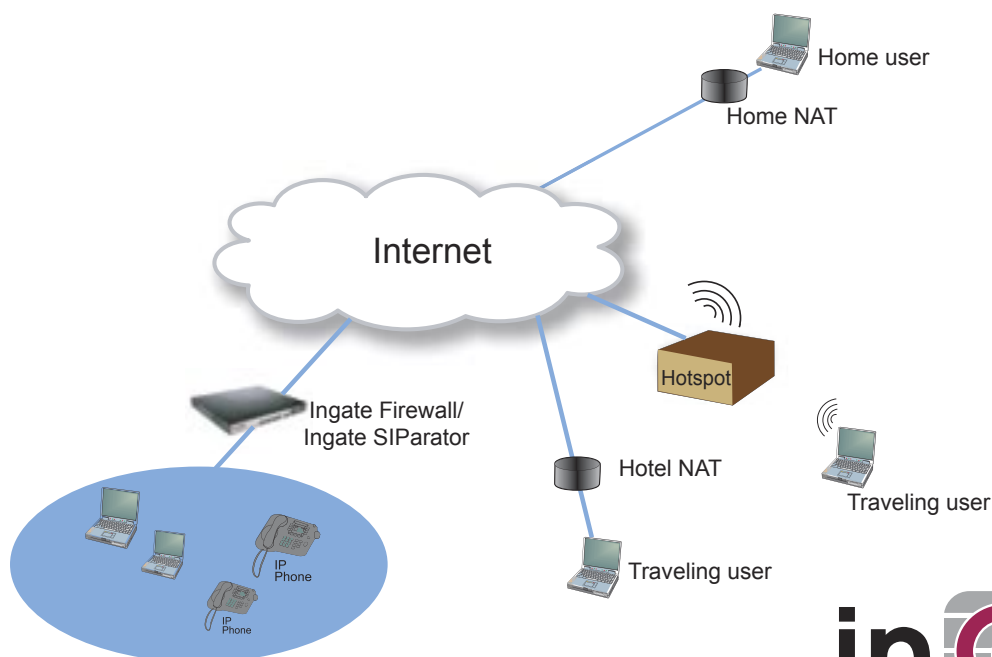
## Far-end NAT-traversal

Many clients today do not support STUN. In those situations, Ingate's implementation will allow mobile and remote workers to traverse NAT devices at their hotel or satellite office, and gain the benefits of realtime communications. Ingate's implementation will allow these users to traverse a majority of NAT devices and connect with others on the global network.

## The Ingate Advantage

Ingate's world-renowned commitment to security is evident with Remote SIP Connectivity. The SIP-proxy inspects all SIP signalling and ports for the media streams, which are only opened for the duration of the call. All Ingate products also support authentication, encrypted signalling and other security methods available with the SIP protocol. This prevents unauthorized use and allows financial service organizations and corporations to link with the remote site without the risk of eavesdropping.

Ingate Remote SIP Connectivity is available as a separate software upgrade for all models, and can be scaled to fit the specific needs of your enterprise. All of Ingate's products are attractively priced.



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