



Ingate VoIP Survival Module

More companies than ever before are installing VoIP (Voice over IP) to integrate telephony and data communications into one converged network; it is made possible with the standard Session Initiation Protocol (SIP). For today's modern enterprise, the strategic advantages of having voice, video, and data run over a single converged IP network infrastructure are enormous. But it is not necessary to have all equipment located at the enterprise premise; the VoIP service may be hosted either with a central IP-PBX in the enterprise main office or as an IP-Centrex service at the operator.

With Ingate VoIP Survival software module - available for all Ingate Firewalls[®] and SIParators[®] Ingate adds a whole new dimension to the hosted VoIP service by securing full redundancy in a SIP-based hosted IP-PBX environment all the way out to the customer premise. It can be used with any hosted VoIP service, to serve as a customer premise backup to enhance the reliability and availability of a VoIP application platform.

Ingate and the hosted communications platforms

Using the Internet as the infrastructure for the hosted communication platform offers many advantages to businesses adopting VoIP, as it allows the enterprise to combine the previously invested solutions for data connectivity and communication into one converged network and scale capacity in line with usage and organizational behaviour.

In addition Ingate products will support road warriors, home workers and the collaboration with customers and business partners.

However, SIP-based communications do not reach users behind traditional firewalls and NATs automatically; these devices are meant to exclude inbound communications, including VoIP. Ingate solves this issue and brings SIP to the enterprise with its full line of SIP-capable firewalls. The Ingate SIParator, a device that connects to an existing network firewall to seamlessly enable the traversal of SIP communications, is designed for enterprises that do not want to replace their existing security infrastructure.

Redundancy at the enterprise premise

There are occasions when enterprises require a redundant capability for their VoIP services at the customer premise or at each branch office. If the connection to the IP-PBX goes down, essential applications such as VoIP must still be available. The Ingate Firewall or SIParator is placed on the edge of the enterprise premise LAN to serve as the back-up solution to the hosted IP communication server. Should the connection to the hosted IP-PBX be severed, Ingate VoIP Survival offers continuous, uninterrupted availability of the mission-critical VoIP service. This increased availability means that unnecessary downtime is minimized.

In the hosted environment, the server situated in the service provider's core network is in constant contact with – and dynamically sending data to – the Ingate Firewall or SIParator. The intelligence built into the hosted solution is automatically transferred to the local side, including user settings and registrations. Ingate VoIP Survival CPE keeps track of updates and stores a mirror image of user settings.

In the event that contact with the hosted server is lost, Ingate VoIP Survival will automatically detect the failure and make use of the stored settings to ensure that communication methods are maintained. By using

the mirror image of user settings, local calls within the domain are handled by VoIP Survival. Any calls made to the outside will automatically be routed towards the optional backup SIP/PSTN gateway on the LAN. The Ingate VoIP Survival module will automatically detect when the contact with the hosted IP-PBX is restored, and the operation will get back to normal again.

Hosted VoIP - reliable and secure

Ingate VoIP Survival is suitable for any enterprise using a hosted SIP-based IP-PBX platform looking to maintain the highest reliability and availability for their network. Ingate VoIP Survival offers the benefits of traditional outsourcing while securing the availability of one of the most mission-critical applications for businesses today. In addition, Ingate's Firewalls and SIParators maintains vital perimeter control and security at the enterprise edge.

The architecture of the SIP proxy in the Ingate Firewall and SIParators grants secure traversal of the SIP traffic. The ports for the media streams are only opened between the specific parties of the call and only for the duration of the call. The SIP proxy inspects the SIP packets before sending them on. Ingate supports authentication of users and servers.

Open XML-based data exchange with the hosted IP-PBX

The exchange of user settings and registrations is made in an open XML format, which makes it easy for any hosted IP-PBX vendor to add support for Ingate VoIP Survival

Interoperability with leading technology vendors

Ingate VoIP Survival has been validated by BroadSoft, Inc., the leading provider of VoIP application software, to serve as a customer premise backup to enhance the reliability and availability of the BroadWorks VoIP application platform.

For more information, visit us at www.ingate.com or write to info@ingate.com.

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