MITEL MiVOICE BORDER GATEWAY
MULTIPLE SERVICES, ONE SERVER, SECURE UNIFIED COMMUNICATIONS

The Mitel MiVoice Border Gateway is the next generation evolution in network edge security. MiVoice Border Gateway ensures superior voice quality and provides comprehensive threat protection, strict access control, and privacy in a single consolidated server.

MiVoice Business Gateway provides the ability for an organization to deploy a range services that deliver the underlying infrastructure required for a reliable, secure network with continuous availability. This includes:

· Scalability of the Teleworker Service beyond 2,500 users per server through clustering of multiple servers
· Time-zone configuration of remote teleworker and MiNet phones
· SIP-aware firewall that enables connection to SIP trunks without the need for 3rd party firewall hardware
· Support for variable packetization across various SIP trunk service providers
· Support for voice encryption makes the solution suitable for financial services, public safety and other security conscious sectors
· Acting as a boundary between IPv4 and IPv6 networks, ensuring seamless operation across the boundary
· Secure remote access for administrators to web management interfaces of Mitel solutions, such as MiVoice Business and MiCollab

MiVOICE BORDER GATEWAY DELIVERS

MiVoice Border Gateway is a multi-services platform that enables all size enterprises to easily enjoy the benefits of:

TELEWORKER SERVICE

MiVoice Business Gateway makes it possible for all businesses to reap the benefits of teleworking and unified communications by securely connecting remote MiVoice IP phones to the corporate voice network to provide full access to all of the office phone system's calling features, single voicemail and access to corporate audio conferencing.

THE MIVOICE BUSINESS GATEWAY – TELEWORKER SERVICE IS IDEAL FOR:

· Remote offices or home-based employees that require access to the corporate office phone system;
· Day-extenders — employees who regularly take work home with them or whose jobs require they be accessible outside regular business hours;
· Mobile workers — employees that need access to the corporate office phone system while on the move with a softphone on their laptop.

WEB PROXY SERVICE

MiVoice Border Gateway supports the secure proxy of Mitel MiCollab's (formerly Mitel Applications Suite) audio, web and video conferencing service without requiring a VPN client. MiVoice Border Gateway can be deployed in the DMZ and interface with one MiCollab server within the company network providing access for devices on the internet. This does not require the deployment of a VPN client or additional ports to be opened on the company firewall.

SIP TRUNK PROXY SERVICE

SIP trunking provides business with the ability to reduced costs and simplify their network configuration, by combining voice and data network service on a single service. As a direct result SIP trunking is rapidly becoming an integral part of many Mitel solution deployments.

MiVoice Border Gateway can serve as a SIP-aware firewall at the edge of the company network and eliminates the need for 3rd party firewall devices, simplifies configuration and deployment of SIP Trunking services. MiVoice Border Gateway has been tested to confirm interoperability with a number of SIP trunk services providers, including the configuration of variable packetization across different service providers. Other SIP trunk services should function; however, Mitel can provide no guarantee of interoperability without testing.

For the latest information on which SIP trunk services have been tested with the MiVoice Border Gateway, please check with your Mitel authorized PARTNER.

SECURE RECORDING CONNECTOR

MiVoice Border Gateway enables 3rd-party call recording solutions to securely record Mitel MiVoice IP endpoints and Teleworker devices. MiVoice Border Gateway's support for voice encryption recording makes the solution suitable for financial services, public safety and other security conscious sectors.

IPv6 APPLICATION LAYER GATEWAY

MiVoice Border Gateway provides an application layer gateway between IPv4 and IPv6 networks to ensure seamless operations across the boundary.

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SERVER CONFIGURATION MODES

Network edge (server-gateway): In this mode, the MiVoice Border Gateway server resides parallel to the business firewall and has direct public Internet connectivity, acting as the firewall or Internet gateway for voice communication traffic. The server hardware must be equipped with two Ethernet interfaces – one to connect to the external public Internet and one to connect to the internal LAN.

DMZ deployment (server-only): The MiVoice Border Gateway is provided by an Mitel Standard Linux (MSL) server installed in the customer's existing DMZ. In this configuration, the MSL must be installed in "server-only" mode. The corporate firewall provides static network address translation between an externally visible address and the DMZ address of the MSL. The MSL must have a static IP address visible from the external network (Internet). This should be a separate address from the external IP address of the firewall, although some firewalls that support port forwarding may allow sharing the address.

It is vital that this address actually be static as any change of the address will cause remote sets to lose connectivity. The TCP and UDP port numbers used on the external address of the firewall must be preserved when the packets are passed to the MSL on the DMZ.

CLUSTERING TO INCREASED CAPACITY BEYOND 2,500 PHONES

MiVoice Border Gateway can support teleworker IP phones deployments beyond 2,500 devices through a high availability meshed, mixed model, server cluster. This enables improved availability for centralization of remote access capabilities with load balancing of supported MiNet devices across the cluster.

Each server in the cluster must have a base kit license, but the teleworker clients are licensed cluster wide.

TECHNICAL SPECIFICATIONS

HARDWARE REQUIREMENTS

RAM	HARD DRIVE	NIC	MONITOR	PLATFORM
4 GB	250 GB	Single NIC in LAN mode (server-only) or dual NIC when deployed in network edge (server-gateway)	Minimum resolution of 800 x 600 pixels	Intel® X86 compatible. For details, please see your Mitel authorized PARTNER.

SOFTWARE REQUIREMENTS

WEB BROWSER	MSL
Microsoft® Internet Explorer® Release 6.0 or higher	Mitel Standard Linux Release 9.0

COMPATIBILITY WITH MITEL COMMUNICATIONS PLATFORMS

PLATFORM	VERSION / SERVICE PACK
MiVoice Business (formally MCD)	Release X.x
MiVoice Office (formally Mitel 5000 CP)*	Release 6.0
Mitel SX-200 ICP*	Release 4.0 and later (the SX-200 ICP does not support SIP)

*Teleworker Service only

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