



MITEL

Border Gateway

Creating secure workspaces for mobile and remote employees

Today, the face and nature of the traditional office is being transformed with increasing requirements for employee mobility and work location flexibility. To ensure enhanced productivity, companies are leveraging their investments in a Mitel® IP-PBX by extending unified communications capabilities over the Internet to remote or home workers via IP phones, soft phones and Wi-Fi / dual-mode phones. However, opening up the company's internal network to allow employees to connect from anywhere, any time (from hotspots, hotels and home offices) raises a host of security and internet voice quality concerns.

Mitel Border Gateway

To ensure the deployment of secure internal and external workspaces, the Mitel Border Gateway (MBG) ensures superior voice quality and provides comprehensive threat protection, strict access control, and privacy in a single consolidated server. This solution securely enables remote employees to work and collaborate productively by having a complete in-office Unified Communications experience without being physically in the office.

The Mitel Border Gateway delivers the following co-resident services on a single platform:

- **Teleworker Service**
Turns any Mitel IP desktop or soft phone device in to teleworker mode
- **SIP Trunk Proxy Service**
Can serve as a SIP-aware firewall at the edge of the company network and eliminates the need for third party firewall devices, simplifies configuration and deployment
- **Application Web Proxy Service**
Enables trusted connectivity between company LAN and the Public Internet to provide secure access for Mitel Unified Communications applications.



Secure, Reliable and Scalable Remote Workspaces

The Mitel Border Gateway enables companies to extend their voice network to virtually any location, thereby enhancing remote employees' productivity and effectiveness. The Teleworker service supported on MBG can be implemented quickly and easily using a wide range of standard Mitel IP phones and SIP devices. For users who prefer a softphone, the Mitel Unified Communicator® Advanced Softphone Option, the Mitel Contact Center Softphone and the Counterpath® Bria SIP soft client are supported. Once set up and plugged into a broadband connection, the phone automatically registers as an office extension which reflects its own local time. Superior voice quality is assured via a large adaptive jitter buffer in the phone.

The Mitel Border Gateway delivers the core underlying Infrastructure for a reliable, secure network with continuous availability. MBG supports a fully meshed cluster of nodes which serve as a single, large, Teleworker server providing scalability beyond 2,500 employees and high availability.

MBG creates secure external workspaces by providing high grade security with signaling and media authentication, and encryption via secure embedded 128 bit AES encrypted voice and SRTP. MBG manages IP network traversal, additionally no separate VPN required.

Reduce Total Cost of Ownership

To lower network costs, the SIP Trunk Proxy service on MBG serves as a SIP-aware firewall, enabling connection to SIP trunks without the need for third party firewall hardware. The SIP trunk proxy service can be configured to adjust and normalize the variability of Service Providers SIP trunking services to the Mitel 3300 Communications Platform (ICP).

Communicate and Collaborate Anytime, Anywhere

The Mitel Border Gateway Application Proxy Service enables connectivity between the company LAN and the public Internet to provide trusted access for Mitel Unified Communications applications. Employees can collaborate with external colleagues and customers using the Mitel Audio and Web Conferencing via a secure, controlled internal LAN routing through the Mitel Application Suite (MAS). The Application Proxy Service also enables web service interaction with the Mitel UC Mobile Client for mobile employees. MBG delivers a complete in-office unified communications experience for all employees.

Seamless Integration

The Mitel Border Gateway and the Mitel Application Suite integrate seamlessly with the Mitel 3300 IP Communications Platform (ICP) that provides call control, extensive features and supports a wide range of innovative desktop devices and advanced applications like the Mitel Contact Center Solutions that allow businesses to deploy and manage sophisticated contact centers and Mitel Unified Communicator Advanced that provides features like instant messaging, presence and softphone to fully enable the collaborative and mobile worker.

The Mitel Border Gateway also provides support for the Mitel 200 ICP (teleworker service only) and the Mitel 3600 Hosted Key System.

MBG works collaboratively with the Mitel Applications Suite (MAS). MAS is a robust communications solution that unifies business-critical applications into an easy-to-use, cost-effective solution. MAS simplifies communications while increasing productivity, enhancing customer service and collaboration as well as reducing total cost of ownership. MAS delivers capabilities like unified messaging, speech-enabled auto-attendant, mobility, teleworking and sophisticated audio and web conferencing.

Intelligent Evolution

Mitel provides you with software only and platform based solutions that can be implemented through Intelligent Evolution. This means that you can evolve, update and migrate your communications solutions over time and at your own pace, without disrupting or replacing your existing infrastructure.

Mitel Strategic Partners

Mitel and our partners develop integrated and innovative solutions, leveraging technology from industry leaders, such as Microsoft®, VMware, HP ProCurve Networking, and Sun Microsystems®. Mitel makes it a priority to build long-term relationships with other companies to create better solutions for our customers.

Doing Business with Mitel

With Mitel it's about the relationship. Mitel insists on delivering not only an exceptional communications solution tailored to each business, but the support and services that make an initial communications investment pay long-term returns.

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