

Using a Dialogic® 4000 Media Gateway As a Survivable Branch Appliance with Microsoft® Lync Server 2010 Software

Technology Brief

Many enterprises are adopting Unified Communications (UC) solutions, such as Microsoft® Lync Server 2010. These UC solutions typically combine several traditional communications functions (including presence, instant messaging, real-time voice and video communications, and unified messaging) into an integrated, unified solution. UC can improve productivity, accelerate information transfer, and reduce costs. UC solutions, such as Lync Server 2010 and Microsoft® Exchange Unified Messaging, can also replace traditional PBX and messaging systems in remote office locations.

Unified Communications Requirement: Branch Office Connectivity and Survivability

UC solutions can leverage corporate WANs, VPNs, and broadband data networks to consolidate and centralize the servers and software intelligence required to deliver UC services to enterprise workers wherever they attach to the network. While centralizing core UC services is appealing for efficiency and cost savings, it is still necessary to deploy an integrated device at the branch office premises for local service connectivity, as well as continuity of base-level voice service in the event the corporate WAN becomes unavailable.

Solution: Survivable Branch Appliance

To fulfill the need for reliable connectivity, a hybrid media gateway that operates as a Survivable Branch Appliance (SBA) can provide an effective way to support a branch office. The gateway that operates as an SBA hosts survivable unified communications server software and has integrated TDM and SIP media gateway functionality for local PSTN connectivity. It also offers support for analog endpoints such as legacy conference phones and fax machines. If the corporate WAN and central UC services become unavailable, the SBA can provide business continuity for branch office workers and local PSTN service connectivity.

This technology brief discusses the availability of an SBA solution using a Dialogic® 4000 Media Gateway (DMG4000 Gateway) and the newest release of Office Communications software, Microsoft® Lync Server 2010.

Advantage: Dialogic® 4000 Media Gateway Field Upgradeable As a Survivable Branch Appliance

The Dialogic version of an SBA using Lync Server 2010 can be delivered as a simple field software upgrade to current DMG4000 Gateways, and as factory-installed SBA software. The availability of both options is planned for November 15, 2010.

DMG4000 Gateways are qualified as SBAs for use with Microsoft Lync Server 2010. DMG4000 Gateways include a powerful integrated server platform running Windows Server® 2008 R2 and a PSTN-to-SIP gateway subsystem supporting a range of simultaneous audio session densities. The server platform hosts the SBA server role for Microsoft Lync Server 2010.

The DMG4000 Gateways subsystem connects traditional TDM voice systems and PSTN services with Microsoft Lync Server 2010. DMG4000 Gateways have analog FXO, BRI, or T1/E1 interfaces (single, dual, or quad density).

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Here is a summary of the advantages of using DMG4000 Gateways as SBAs:

- Broad, scalable hybrid gateway product line
- Proven support for Microsoft UC
- Field software upgradeable to operate as an SBA
- Flexible, cost-effective support for analog devices
- PBX, PSTN, IP, and fax protocol support
- Robust Windows Server 2008 platform
- Global sales and support network (over 40 locations)

Enabling the Solution

Figure 1 illustrates how a DMG4000 Gateway can be deployed as an SBA in a branch office.

DMG4000 Gateways are already used worldwide with Office Communications Server 2007 R2. Current DMG4000 owners will only need to perform a simple software upgrade to their DMG4000 Gateways to enable a DMG4000 Gateway's SBA functionality and install the SBA server software for Lync Server 2010. Hardware changes will not be required.

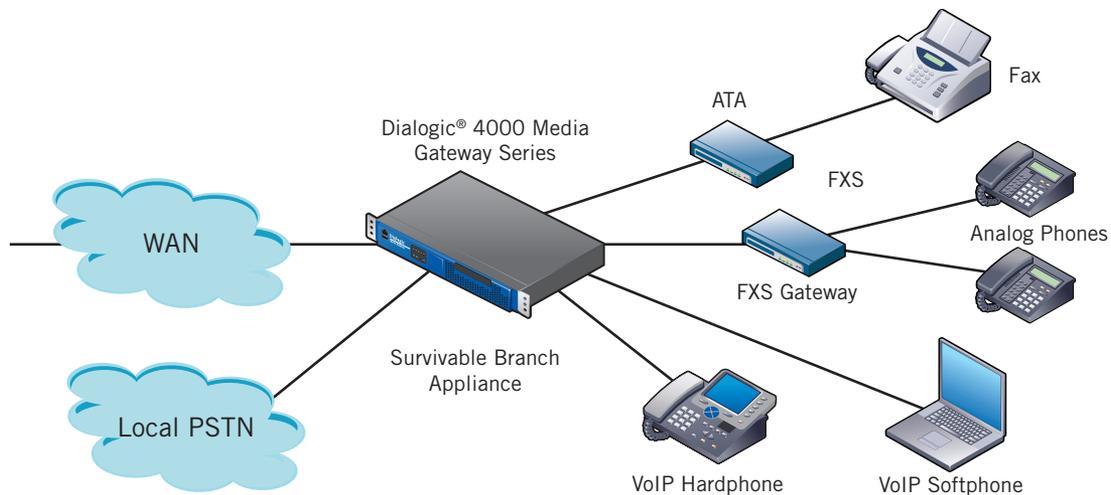


Figure 1. Dialogic® 4000 Media Gateway Operating as an SBA in a Branch Office

For More Information

[Dialogic® 4000 Media Gateway Series](#)

[Dialogic® Media Gateways for Microsoft Unified Communications](#)



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