



## HP ProCurve Survivable Branch Communication zl Module

Converge, secure, and simplify your business with expansive networking solutions

Solution brief

### The customer challenge: branch survivability

For most organizations today, remote users in branch locations are accustomed to reliable communications via distributed PBX or IP-PBX technology. However, when it comes to expansive communications and collaboration, they are dependent on the servers in the headquarters data center for their communication and collaboration needs. This dependency makes them vulnerable to losing their communication and collaboration capabilities when the wide area network (WAN) is unavailable. These remote users need the ability to make external phone calls and sustain internal peer-to-peer communications such as instant messaging (IM), voice, video, and desktop sharing even when the data center cannot be reached. They need a communications solution architected for branch survivability and one that contains the telephony features they have come to expect: the ability to call any phone number, and voice, video, IM, and desktop collaboration with local colleagues. HP ProCurve Survivable Branch Communication zl Module provides these solution features and more.



## The HP ProCurve solution: Survivable Branch Communication zl Module

HP ProCurve Survivable Branch Communication zl Module is a new component for the HP and Microsoft® Unified Communications and Collaboration solution. Survivable Branch Communication combines Microsoft Communications Server “14” and software from HP ProCurve—including a public switched telephone network (PSTN) to Voice over Internet Protocol (VoIP) gateway, a graphical user interface (GUI), management interfaces, and an application programming interface (API) to the switch itself, all integrated on a module that fits in the chassis of HP ProCurve Switch 8200zl and 5400zl series products.

Survivable Branch Communication provides primary Microsoft Communications Server “14” services to the branch user. In normal operation, Survivable Branch Communication leverages centrally hosted services and provides toll bypass by directing interoffice calls across the WAN when this routing provides cost-optimized calling. Survivable Branch Communication also forms a part of the dialing plan, and other Communications Server users at other locations can leverage the local PSTN ports on Survivable Branch Communication for least-cost call routing and toll bypass. In the event it loses connectivity to the data center, Survivable Branch Communication is an intelligent module that “knows” it can no longer leverage the centrally hosted services or PSTN interfaces that are not local. Survivable Branch Communication notifies its connected Microsoft Communicator clients and end users that it is operating in a degraded mode and that some features may not be available. Thus, if a user wishes to call a user at another company location, Survivable Branch Communication directs the calling client to place a PSTN call via Survivable Branch Communication’s PSTN interfaces—all without requiring any different

behavior on behalf of the calling client. Requests to use other central services such as Live Meeting are rejected due to the service not being available. Survivable Branch Communication has call control management capabilities and can route voice calls based on the Communications Server enterprise-wide dial plan.

## Branch simplicity, security, and savings

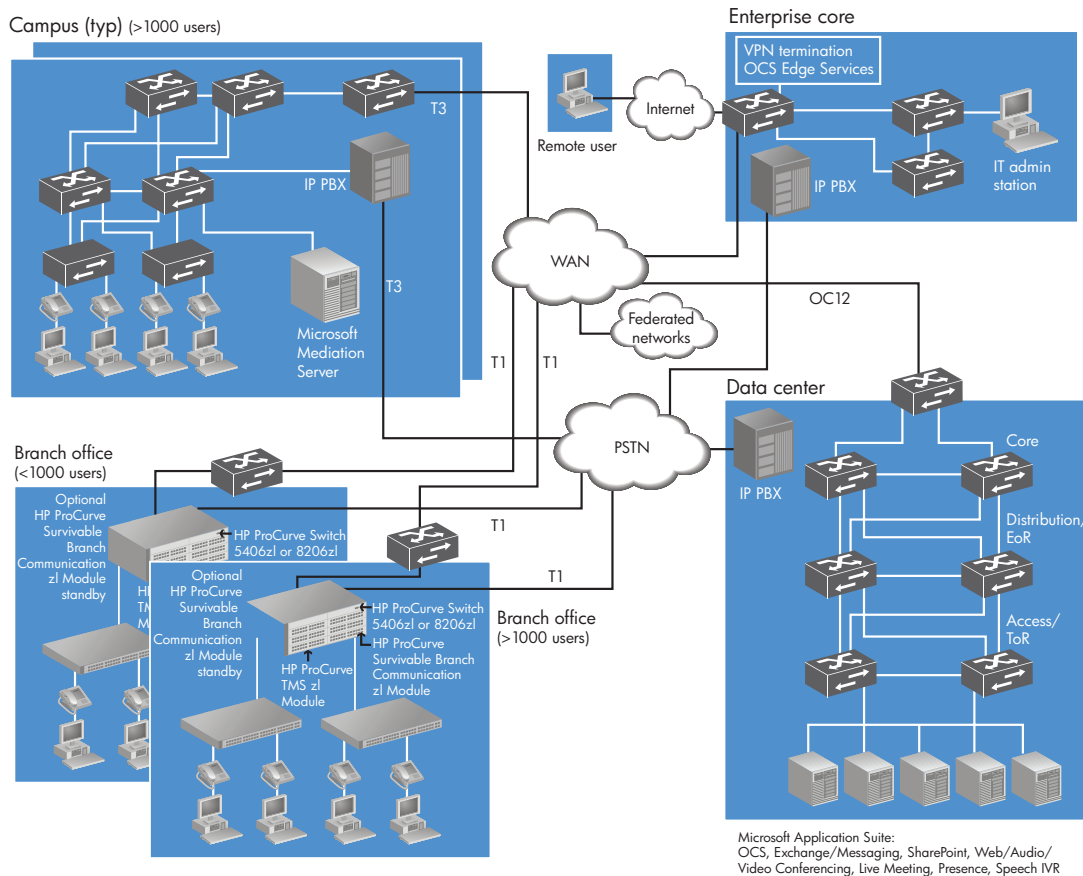
The HP ProCurve Survivable Branch Communication zl Module requires no additional IT infrastructure or management at the branch. With Survivable Branch Communication, there is no need to rack additional hardware, run power cords, or add Ethernet connections at the branch. One of the chief advantages of Survivable Branch Communication is that only the network needs to be managed, not two or more systems.

Survivable Branch Communication is a highly secure networking solution, engineered to meet HP quality standards. Companies today need security solutions that address risks from both inside and outside the network. Perimeter defense is an essential first layer of network security that involves firewall/virtual private network (VPN)/intrusion prevention system (IPS) protection along with Web 2.0 content awareness. ProCurve provides these perimeter solutions in conjunction with our ProCurve Open Network Ecosystem (ONE) Alliance partners. For interior protection, the HP ProCurve Threat Management Services (TMS) zl Module provides a second layer of defense to protect sensitive data.

HP ProCurve protects your investment by adhering to industry standards, preparing the way for adoption of the next generation of unified communications and collaboration capabilities. Survivable Branch Communication is backed by the ProCurve Lifetime Warranty.\*



\*For as long as you own the product, with next-business-day advance replacement (available in most countries). The following hardware products have a five-year hardware warranty for the disk drive and lifetime hardware warranty (for as long as you own the product) for the rest of the module: HP ProCurve ONE Services zl Module, HP ProCurve Threat Management Services zl Module, and HP ProCurve MSM765zl Mobility Controller. The following hardware products and their related series modules have a one-year hardware warranty with extensions available: HP ProCurve Routing Switch 9300m series, HP ProCurve Switch 8100fl series, HP ProCurve Network Access Controller 800, and HP ProCurve DCM Controller. The following hardware products have a one-year hardware warranty with extensions available: HP ProCurve M111 Client Bridge, HP ProCurve MSM3xx-R Access Points, HP ProCurve MSM7xx Mobility and Access Controllers, HP ProCurve RF Manager IDS/IPS Systems, HP ProCurve MSM Power Supplies, HP ProCurve 1-Port Power Injector, HP ProCurve CNMS Appliances, and HP ProCurve MSM317 Access Device. Standalone software, upgrades, or licenses may have a different warranty duration. For details, refer to the ProCurve Software License, Warranty, and Support booklet at [www.hp.com/go/procurve/warranty](http://www.hp.com/go/procurve/warranty).



## Solution features

- Survivable Branch Communication provides users within the branch with the ability to communicate and collaborate in the event the data center Communications Servers cannot be reached. All services that are peer-to-peer within the branch remain operational—instant messaging, video, desktop sharing, and voice.
- Interoffice voice calls are automatically routed through the Survivable Branch Communication's local PSTN interfaces when peer-to-peer communications are not available.
- Survivable Branch Communication is a component of a complete Microsoft Communications Server "14" infrastructure and can be domain-joined to the Microsoft environment.
- During normal operation, Survivable Branch Communication supports toll bypass and least-cost call routing. Every PSTN gateway in the enterprise is available for placing outbound calls along the least expensive path.

## Solution benefits

- Survivable Branch Communication is a module that fits in the chassis of ProCurve 8200zl or 5400zl series switches, making it easy to deploy and manage, just like any other switch module in the network.
- Survivable Branch Communication provides survivable communications at branch offices without requiring a complex or costly IT infrastructure at the branch.
- Survivable Branch Communication is designed and engineered to make Microsoft Communications Server "14" more resistant to failures.

## Solution components

### HP ProCurve Survivable Branch Communication zl Module

#### Software

- Microsoft Communications Server "14," Survivable Branch
- Microsoft Communications Server "14," Mediation Server
- Microsoft Windows® Server 2008 R2
- PSTN gateway
- Shadow registry
- Microsoft SQL Express

#### Hardware

A two-slot-high card that fits into the HP ProCurve Switch 5412zl, 5406zl, or 8212zl chassis, the HP ProCurve ONE Advanced Services zl Module comes with the following:

- 2.6 GHz Intel® Core™2 Duo CPU
- 4 GB of DRAM
- Support for up to 2 SATA HDD
- 4 GB Flash

#### Optional cards

- 1 x T1/E1/J1
- 2 x T1/E1/J1
- 4 x T1/E1/J1
- 4 x FXO/FXS in pairs (i.e., four of one, or two of each)

## Data center server applications

Enterprise-wide Unified Communications applications are hosted in one or more consolidated data centers. These include the entire Microsoft Unified Communications Application Suite: Microsoft Communications Server "14," Live Meeting, Group Chat, Exchange/Unified Messaging, and SharePoint.

## Why Microsoft and HP?

Connect, collaborate, and compete. The HP and Microsoft Alliance is unifying communications.

Business leaders are rethinking how employees communicate, collaborate, and innovate. Working together, we can help organizations be more efficient, be more cost-effective, and minimize risk while accelerating business growth.

## Why HP ProCurve?

Using the ProCurve open networks platform as its foundation, HP ProCurve allows customers to securely integrate a wide choice of best-in-class network applications and services from both HP and alliance partners that work with ProCurve infrastructure. ProCurve applications are also rigorously tested and certified to ensure interoperability with the HP ProCurve ONE Services zl Module.

Additional information on the HP ProCurve ONE Services zl Module is available at:

[www.procurve.com/one](http://www.procurve.com/one)

## For more information

Go to [www.hp.com/solutions/microsoft/ucc](http://www.hp.com/solutions/microsoft/ucc) to learn about HP and Microsoft Unified Communications and Collaboration solution components such as voice, conferencing, instant messaging and presence, video, collaboration, and messaging.

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