

OpenVOIP Solution

Acquiring a larger share of the fast-growing Voice over Internet Protocol (VoIP) market

The telecommunications industry is constantly looking for operating platforms that can reduce initial investment and ongoing operational expenses while at the same time keeping future growth affordable.

The complementarity of VoIP calls with additional services like instant messaging, presence and contact list management enhances the possibilities for telecommunications companies to attract new customers and build loyal user communities on the Internet.

Based on commercially licensed software, the cost of current VoIP solutions typically depends on the number of subscribers, concurrent calls, or both. The initial software license investments are high, and companies must also take additional spending into account for subsequent business expansion. Open source VOIP offers significant savings as the transparent licensing model is adaptable to customer needs.

More cost effective & customer focused companies, thanks to HP & Intel OpenVOIP

HP & Intel have their finger on the pulse of the telecommunications software industry.

Their expertise in designing and introducing solutions for today's internet-based business make them uniquely qualified and positioned to help their partners take advantage of today's converging content and communications market via:

- Cross business communication and media solutions
- A flexible platform based on proven standards
- A broad range of services (main domains: voice, messaging, solution operability ...)
- Lower installation and operating costs thanks to an open source ready to use solution stack
- Increase collaboration with major Internet actors (Google, Yahoo, Microsoft...)

HP & Intel approach to OpenVOIP

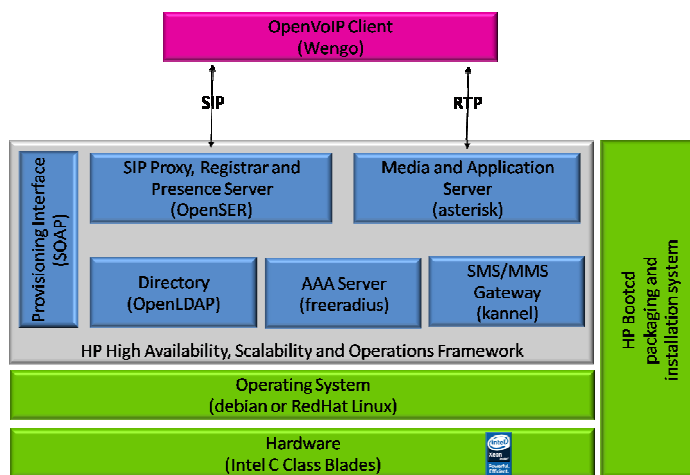
The HP & Intel OpenVoIP solution is a carrier-grade VoIP solution deployed on an Intel based platform delivering convergent communication services on top of the SIP protocol standard. It comes with the leading edge HP OpenVoIP PC client and is compliant with all major VoIP hard- and soft-client vendors.

The platform is based on open source software, highly scalable and is already in use in commercial environments with millions of users and hundreds of millions call minutes per month. The high availability and strong CPU requirements of the core VoIP network is leveraged by the latest C-Class blades with Intel® Xeon® processors.

Key benefits for service providers include:

- Lower installation and operation costs
- ARPU increase:
 - Boost Existing Services (voice/video calls, presence and instant messaging, conferencing...)
 - Access the "Web 2.0" Internet community business and build partnerships
- Lower costs on every front with HP BladeSystem design
- Build a strong hardware base

- Confidently adhere to key telecommunication and Open Source standards
- For allowed incoming calls, using Intel® Active Management Technology remotely wake up PCs with Intel® vPro™ Technology



OpenVOIP platform

HP & Intel Key hardware components

HP C7000 Carrier Grade Solution

The new HP C7000 and 48V DC Power support for the HP BladeSystem C7000 Enclosures:

- *HP BladeSystem C7000*: provides the power, cooling, and I/O infrastructure needed to support modular server, interconnect, and storage components today and throughout the next several years
- *HP Proliant BL460C Server*: combines power-efficient compute power and high density with expanded memory and I/O for maximum performance



Intel® Xeon® processors

The Intel® Xeon® processor 5400 series are built with 45nm enhanced Intel® Core™ micro architecture with up to eight cores in a two-processor configuration.

The new 45nm Enhanced Intel® Core™ micro architecture delivers more performance in the same platforms and at the same power consumption, giving customers the flexibility to match performance, power and cost requirements with your unique requirements and delivering advantages beyond just pure performance.



The solution is also based on the Intel® Atom™ processor, Intel's smallest processor, built with the world's smallest transistors. It makes possible a whole new vast market of highly portable yet highly powerful, PC-like devices.



The HP Intel Solution Centers provide complete telecom infrastructures for demonstrating the Communications Media and Entertainment Solution Portfolio to HP customers and partners. The centers are located in three cities: Grenoble, France; Richardson, Texas, USA; and Shanghai, China. These unrivalled technical facilities offer our customers and partners the unique opportunity to evaluate new services in real-world environments, test new technologies and select the solutions most likely to succeed.

Technology for better business outcomes

© 2008 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Copyright © 2008 Intel Corporation. All rights reserved. Intel, the Intel logo, Xeon and Xeon Inside are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. * Other names and brands may be claimed as the property of others.

For more information, visit <http://www.hpintelco.net>

