

IBM Broadband VoIP Services

*Integrating telephony in IT – easily,
at affordable cost and future-ready*



Highlights

- **Open standards create investment security**
- **Technological basis for the implementation of convergent communications**
- **Scalability for up to 2 million subscribers**
- **High availability by means of redundant application server configuration and secured management access**
- **Simple, web-based administration**
- **Optional: roll-out, operations, maintenance, and project management by IBM.**

Get on the right track!

Voice over IP is an opportunity for local telephone service providers as well as for small, medium, and large companies across all industries; due to the immediate cost savings potential but also on account of its key role in future technological developments. VoIP enables the integration of telephony services with IT systems, thereby providing a comprehensive bundle of the most important communication channels – with unprecedented synergies. As the Enterprise's future requirements can never be fully appraised, the investment protection provided by an IP Communication (IPC) solution, its scalability and versatility should be given the highest priority.

The virtual telephone system for today and for tomorrow

That is why IBM has developed a services package for a complete VoIP solution; based on open standards. The core element is the Essentra BAX application server, a product of VocalTec Communications (Herzlia, Israel), an IBM Business Partner. Essentra BAX presents a 3-tier architecture consisting of Database, Web and Call Control & Feature Servers that all run on IBM eServer xSeries 336 or on the IBM BladeCenter under Red Hat Linux®. Up to 20,000 subscribers are supported on an IBM xSeries 336 and the solution can be scaled to support up to 2 million subscribers by distributing the architecture across a corresponding number of xSeries or Blades. Larger server farms are just as easy to manage as a single server, as Essentra BAX is administered using a management console. Within the company's own LAN or WAN, Essentra BAX communicates via SIP; Voice Gateways are used for connectivity to the public telephone network (PSTN) and integration of the existing telecommunications infrastructure. Session Border Controllers (SBC) can be used to interconnect with existing VoIP networks. Furthermore, there are interfaces and APIs to additional application servers such as voicemail, conferencing, billing, prepaid calling card and others.

Integrated services with Essentra BAX

The IBM solution with Essentra BAX provides a broad range of subscriber calling features at affordable costs, such as:

- *3-way Calling*
- *Click-to-dial*
- *VoIP VPNs*
- *Boss/Secretary Filtering*
- *Billing Codes*
- *Application Integration*
- *Multi-party Ad-hoc Conferencing Bridge*
- *Integrated Automated Attendant System*
- *Web-based Self-provisioning Portal*
- *Call Logs and Statistics at all Levels*
- *Class of Service.*

Why IBM?

The IPC solution components, selected by IBM on the basis of deep knowledge of the market, ensure that important basic requirements are met:

- *Long-term compatibility and greater choice of user devices through open standards*
- *High availability and security by means of redundant configuration, firewalls and secured management access*
- *Simple administration and setup of final users by means of an intuitive, Web-based subscriber interface.*

Over and above the individual conception of the solution, hardware and software procurement, and implementation, IBM also offers a one-stop-shop for all advanced service including:

- *Roll-out services*
- *Operations (also on demand)*
- *Maintenance*
- *Project management.*

Are you interested?

If you wish to find out more about IBM Broadband VoIP Services, please contact your IBM sales representative or contact IBM directly:

IBM Deutschland GmbH
Antonius Klein
E-mail: antklein@de.ibm.com

Ralph Drewello
E-mail: drewello@de.ibm.com

Visit us at:
www-935.ibm.com/services/de/index.wss/offering/its/a1025291



IBM Deutschland GmbH
D-70548 Stuttgart
ibm.com/de

IBM Austria
Obere Donaustrasse 95
A-1020 Vienna
ibm.com/at

IBM Switzerland
Vulkanstrasse 106
CH-8010 Zurich
ibm.com/ch

The IBM homepage can be found at:
ibm.com

IBM, the IBM logo and ibm.com are registered trademarks of IBM Corporation.

BladeCenter, eServer and xSeries are trademarks of IBM Corporation in the United States, other countries, or both.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Other company, product and service names may be trademarks, or service marks of others.

Contractual terms and conditions and prices are obtainable from local IBM and/or IBM Business Partners. Product information reflects the current status. The subject and scope of products or services are defined exclusively by the respective agreements.

© Copyright IBM Corporation 2006
All Rights Reserved.