Indigo IPcall™

The Internet telephony solution for broadband service providers

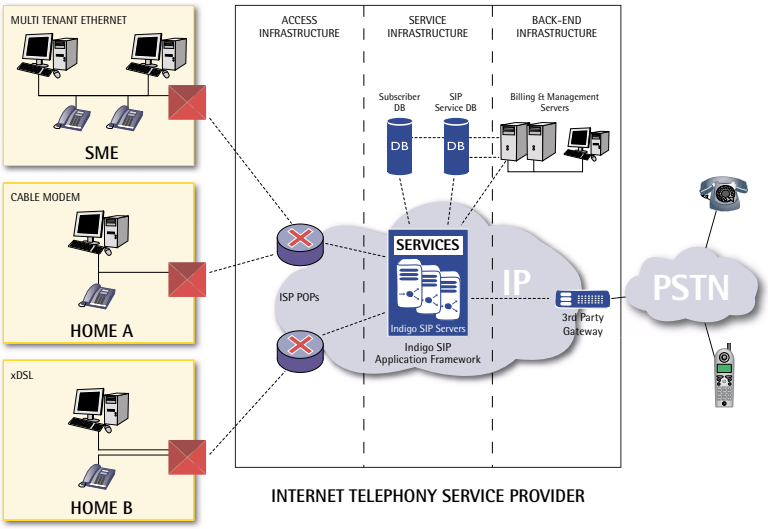
Broadband access is fast becoming ubiquitous in the workplace and broadband connections at home are growing exponentially. According to IDC, in the coming years, broadband Internet will keep on growing at an impressive CAGR of 31%. Taking advantage of the rising popularity of broadband technology, service providers are capable of offering new services that combine data, voice, and video communications capabilities on a low-cost packet telephony network. Given the amount that broadband households spend each month on traditional telephony, this makes VoIP one of the biggest opportunities of the next coming years. These new services will gradually replace traditional circuit-based telephony services and deliver new features that are only available on IP networks.

"As broadband [Internet access] expands, and the DSL and cable modem Trojan horses continue to invade households, we believe VoIP will start infiltrating the traditional voice market."

Goldman Sachs, January 2003

"VoIP will account for approximately 75% of world voice services by 2007."

Frost & Sullivan, March 2002



INTERNET TELEPHONY SERVICE PROVIDER

The Indigo IPcall™ solution

The Indigo IPcall™ solution, Indigo's IP telephony solution for broadband networks, merges the power and cost-effectiveness of data networks with the quality and reliability of circuit-switched networks to create Voice-over-IP (VoIP) solutions for broadband service providers.

Description

The Indigo IPcall™ solution provides a scalable and flexible SIP-based Internet Telephony network infrastructure solution that is built on the Indigo SIP Server & SDK™, Indigo's award-winning SIP proxy, redirect and registrar server. The solution seamlessly integrates best-of-breed 3rd party network equipment providing IP-PSTN gateway and client functionality to deliver an end-to-end service. The solution is perfectly suited for xDSL networks, cable networks, Ethernet networks and wireless local loops.

The Indigo Advantage:

Indigo's cutting-edge technology guides service providers to the next generation of broadband Internet communications. The Indigo IPcall™ solution, including the Indigo SIP Server & SDK™ or the Indigo Communications Server & SDK™, provides a versatile and flexible SIP-based platform for delivering voice and data applications over IP networks. Using the Indigo IPcall™ solution, service providers can:

- Provide differentiated services, with tiered pricing and service options supported through an IP infrastructure.
- Generate revenue by offering new and existing customers a single source for a wide range of leading-edge voice, video and data applications.
- Provide voice services at a very low per-port price.
- Increase return on investment on existing network infrastructure and customer base.
- Benefit from a leading application development and execution environment for the creation of exciting new services such as presence and instant messaging, multimedia conferencing, etc.
- Select compatible best-of-breed 3rd party equipment and avoid a single vendor lock-in.

Features supported by the Indigo IPcall™ are are:

- CLASS 5 features such as CLIP & CLIR.
- Dynamic XLM dial plan with API for custom local services implementation.
- ADR/CDR generation engine.
- A CPL server and editor with a set of pre-programmed applications, such as call-forwarding, call-blocking, time-dependent routing and customizable user service management interface.
- Regulatory requirements features, such as lawful intercept and emergency services.
- Advanced SIP-based routing and call control features powered by Indigo's SIP Server & SDK™ (Proxy/Redirect/Registrar/Third Party Call Control (3PCC)).
- A feature-rich SDK made up of a multi-level and convenient API framework enabling developers to implement a wide range of value added services such as call forwarding, call waiting, call blocking, call screening, find me, follow me, etc..
- Logging API.
- Connectors to external databases and directories.
- SIP security mechanisms (HTTP Digest authentication, TLS encryption & authentication for information integrity and confidentiality, transparent support for end-to-end S/MIME).
- SIP traversal mechanisms for firewalls and NATs.
- Feature-rich web-based system management interface.
- Web-based or automated user management and provisioning.
- Fully IETF compliant (RFC 3261 and companion RFCs).

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