



Indigo Communications Server & SDK™

The ultimate application framework powering real-time communications

The Indigo Communications Server & SDK™ is the ultimate application framework for building real time communication applications for IP networks. The Indigo Communications Server & SDK™ combines the rich call control capabilities of the Indigo SIP Server with real time presence and contextual information offered by the Indigo Presence Server, making it one of the most advanced communication application creation and delivery environments currently available.

A DAY IN THE FUTURE...

You're at your desk in San Francisco and you need to get in touch with your one of your colleagues in the London office, Liz. You don't know if Liz is in the office, in a meeting or on the road, so you have no idea what would be the best way to reach her.

You launch your company's address book application, scroll down to Liz' name in the list and immediately find out about her "presence". She happens to be in the Frankfurt office and can be reached on her cell phone or via instant messaging. You decide to call Liz, so with a right mouse click on Liz name in the address book, you select the voice-call option and start a conversation via your softphone.

During your conversation, Liz proposes you to add another colleague, Mike, to the conversation. You check the address book to know about his presence and see that he's currently in his office and that he's available and can be reached by phone, by IM and by videoconference. With a few more mouse clicks, you are in a three-way conversation: you and Mike having a videoconference, with Liz participating to the meeting over her mobile phone.

The Indigo Communications Server & SDK™ is the ideal base for creating next generation communication services and applications. For example:

- Presence-based intelligent call routing for:
 - Across networks unified communications (Find-me, follow-me services);
 - Urgent notification delivery;
 - Skills and availability-based ACD for distributed call center operations.
- Next generation voice and video conferencing solutions with presence based call set up;
- Real time corporate communication solutions integrating e-mail, instant messaging, voice and video;
- Click-to-talk and click-to-chat web and e-commerce solutions.

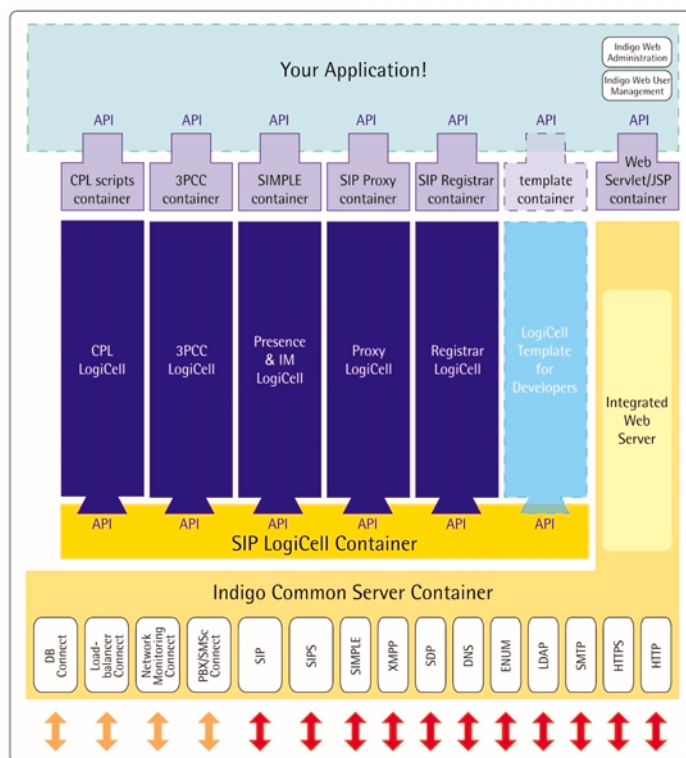




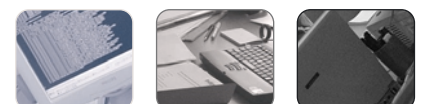
Architecture

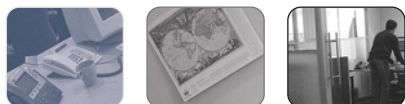
The Indigo Communications Server & SDK™ is the flagship of Indigo's product portfolio. The product introduces a unique bundle of multiple off-the-shelf SIP servers, an application development framework and an application execution platform. The platform furthermore benefits from a highly modular architecture in terms of performance, flexibility and scalability and consists of the following parts:

- A SIP Proxy Server, a SIP Redirect Server and a SIP Registrar. Through its APIs, the server can be controlled to work as any of these components on a call-by-call basis;
- A full-fledged presence and IM server compliant with the IETF SIMPLE (SIP for Instant Messaging and Presence Leveraging Extensions) framework and fully interoperable with Microsoft's Windows® Messenger;
- A standards-based 3rd Party Call Control module and a CPL server including an award-winning CPL editor;
- A multi-level SDK allowing an application developer to customize, invoke and control proxy, redirect, registrar and presence services from within an application;
- A service execution platform (Indigo Common Server Platform).



* LogiCell = High-level service logic component wrapped into a software module with a standardized, non-SIP-specific interface.

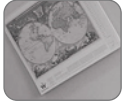




Features

- Compliance with SIMPLE extensions for Presence and Instant Messaging (RFC3265, RFC3428 and Internet Draft Presence-07)
- Compliance with SIP (RFC 3261 and RFC 3263)
- Compliance with SIP Events (RFC 3265)
- Compliance with SDP (RFC 2327)
- Compliance with SIP 3PCC Internet-Draft (draft-ietf-sipping-3pcc-02.txt)
- Compliance with CPL Internet-Draft (draft-ietf-iptel-cpl-06.txt)
- Proxy Service
 - Stateful/Stateless proxy modes for SIP/SIMPLE messages
 - Redirect mode
 - Forwarding of unknown SIP requests
 - Criteria-based request checking: Max forward-Expire
 - Message forwarding to non-SIP contact URIs
 - Loop detection
- Message Routing Logic
 - Static Routes • DNS SRV
 - Location Service • DNS A-record
 - ENUM • LDAP
- Presence Service
 - Centralized/Migration service mode
 - Always-on subscription management
 - Presence update notification relay
 - User mobility and buddy lists
 - Enforce complex authorization policies
 - Centralized user presence information (centralized service mode)
 - Inter-domain operation
 - Network side management of access lists
- Registrar
 - Multipurpose information storage
 - SIP or non-SIP URL schemes (e.g. tel:, smtp:, http:, rtsp:, etc)
 - Multiple contacts per address-of-record
 - Multicast registration
 - Multicast registrar discovery
- Transport modes
 - UDP • TLS
 - TCP
- Database interface
 - JDBC • DNS
 - ODBC • ENUM
- Authentication & Security
 - Digest • TLS
- Other
 - Presence service compatible with SIMPLE clients (e.g. Microsoft RTC SDK clients such as Microsoft MSN and Windows Messenger)
 - CPIM compliant XML-formatted presence documents
 - Logging API for custom CDR and accounting information generation
 - Convenient web-based administration interface
 - Persistent TCP/TLS connection table for NAT/Firewall traversal
 - Multi-customer support on a single server
 - Support for multiple NICs
 - Advanced SIPit tests compliance





BENEFITS

High-Performance

Flexible Integration with existing networks and applications to create new or enhanced services and solutions.

Proven compliance with standards as Indigo is a long-standing participant of SIPit interoperability events

Extensibility using Java and scripting

High-quality technical support, maintenance and product training

Professional Services for high value integration, customization, and consulting

The Indigo product portfolio also includes:

Indigo SIP Foundation Class™

The industry's most advanced and flexible SIP development framework consisting of multi-platform Java APIs providing a strong basis for the development of multimedia SIP-based client and server applications.

Indigo SIP Server & SDK™

A robust and comprehensible SIP server complemented by a high performance API toolkit for instant creation of communication applications. This powerful SIP solution pack forms a strong basis for architecting SIP networks and services.

Indigo Presence Server & SDK™

The first Java-based, full-fledged presence solution on the market. The Indigo Presence Server & SDK™ is the ultimate instrument to make the most of users' presence information in any type of Internet or telecom applications.

Deliverables

A comprehensive documentation set containing:

- Code samples
- HTML based reference guide
- Developer's guide

Platforms supported

Intel Platform

- Pentium III 350, 512 MB RAM
- OS
 - Microsoft Windows NT4/2000/XP
 - Linux Kernel 2.2 and higher

UNIX Platform

- UltraSPARC II 400 Mhz, 512 MB RAM
- OS
 - Sun Solaris 7,8

- * All platforms require J2SE 1.3. and higher
- ** Please enquire about support for other platforms and operating systems that may have become available

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