

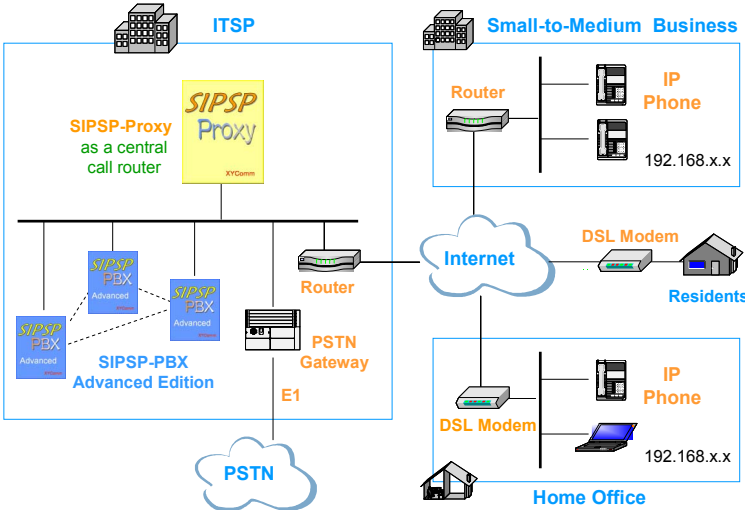
X&YComm SIPSP-Proxy is a SIP Registrar & Proxy server software running on ordinary X86 PC and Windows operating system.

Targeting at **IP Telephony Service Provider**, SIPSP-Proxy is recommended to work with multiple **SIPSP-PBX** servers as a central call router, which automatically forwards calls between different SIPSP-PBX servers.

Written in pure C language, SIPSP-Proxy has proven high performance and stability, with very few consumption of system resources.

Solution

SIPSP-Proxy Deployed for Large Scale VOIP Services



Features

➤ Powerful Call Routing

With flexible settings of Dial Plan and ACL, various call routing policies can be defined to meet your demands. Multiple routes selection is available for one destination. Both sequential and parallel call forking are supported. When working with multiple SIPSP-PBXs, SIPSP-Proxy acts as a central call router to automatically forward calls among all the SIPSP-PBXs. In this way, it is easy to support large scale services without complicated point-to-point manual settings.

➤ High Performance

For a single ordinary P4 PC, it is easy to support at least 2000 concurrent register users and 2000 concurrent call signal processing.

➤ Stable and Reliable

SIPSP-Proxy software is highly proved stable and robust. Furthermore, an additional failover watchdog software SIPSP-Startup keeps monitoring the SIPSP-Proxy software less than every one minute and will automatically restart it whenever abnormal.

➤ Easy Setup and Maintenance

A step-by-step wizard is provided to implement integrated installation and basic settings of all the required components, including SIPSP-PBX software & web pages, MYSQL/MSSQL database, JavaSDK, Tomcat, etc. Web-based configuration and monitoring are supported, as well as Telnet console, which make the whole system is easily under control and management.

➤ Auto NAT Traversal

SIPSP-Proxy supports automatic NAT traversal, without extra configuration on the phones or routers.

➤ Rich Features

SIPSP-Proxy supports rich call features like Call Forward, Call Transfer, Call Hold, Call Block, Call Screening, Fax, Instant Message, Voicemail & ACD (with **SIPSP-IVR**), etc.

WEB Configuration

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User Server Billing System Parameters System Management

Dial Plan Configuration: (The max number of dial Plan rules is 128)

Priority	Caller Key	Callee Key	Route Destination	Operator
0	*00(*)		sip:\$1@192.168.0.105:1730;pt=1.0,sip:\$USER@192.168.0.188:5065;pt=0.9	Down
1	*11(*)		sip:\$USER@192.168.0.199:5060	Up Down
2	*99(*)		sip:\$1@192.168.0.199;pt=1.0	Up Down
3	*121*		sip:121@192.168.0.199	Up Down
4	*7777(*)		sip:trunk\$1@192.168.0.199:5060	Up Down
5	*1234(*)		sip:\$1@192.168.0.199:5065	Up

Detailed Configuration:

Priority:

Rule Description:

Caller Key:

Callee Key:

Destination Address1: (Format: sip:phone-number@Domain)

Priority of Destination Address1: (Format: 0.0 to 1.0, and 1.0 is the highest priority)

Destination Address2:

Priority of Destination Address2:

Destination Address3:

Priority of Destination Address3:

Add Modify Delete



Specifications

Hardware/ Software	Hardware: PIII 1G/1G HD/128MB Memory at least
	OS: Windows 2000 / Windows XP / Windows 2003
Protocol	SIP: RFC3261 / RFC2543 , UDP/SIP-URL, Configurable SIP Port
SIP Registrar	Support Multiple Register Modes: Dynamic / Static Support Multiple Concurrent Contacts Per User : Max 8 Support User Authentication : No Auth / MD5
SIP Proxy Server	Support Both Stateful and Stateless mode Support Both Sequential and Parallel Call Forking Support Looped Request Detection Support Automatic NAT User Discovery
Call Routing Inward/Outward	Support ACL settings for Incoming Calls Support Flexible Dial Plan settings for Outgoing Calls Maximum Dial Plan Rules: 128
NAT/Firewall Traversal	Support Multilevel Nat/Firewall Traversal, Arbitrary Calls between any Users Support Auto Nat User Discovery, without extra NAT Configure
Rich Features	Call Forward All , Call Screening, Voicemail, (*with SIPSP-IVR) Call Forward Busy, Call Blocking, ACD, (*with SIPSP-IVR) Call Forward No Answer, Call Hold, Instant Message, Call Transfer, FAX (T.38), Multimedia (Voice, Video, Data) Services
Easy Setup & Maintenance	Step-by-Step Installation Wizard for Integrated Installation & Settings of ALL Required Components : --- SIPSP-Proxy Software & Web Management Pages --- MYSQL / MSSQL Database --- JavaSDK --- Tomcat Provide WEB-based System Settings Provide Both WEB-based and Telnet-based System Remote Monitoring Provide System Log Record, with Configurable Log Level
Billing Features	Detailed CDR Records Stored in Database and Shown on the Web Pages of SIPSP-Proxy Support Radius Client with Features as Below : --- Report Radius Authentication, Authorization & Accounting Requests to Radius Servers --- Support Both Standard Radius Attributes and Cisco VSA Attributes --- Support Postpaid Billing Mode --- Support Multiple Primary / Secondary Radius Servers --- Support Auto Radius Server Availability Detection, Switch & Resumption Provide our own XYBS Billing System to Build a Complete Billing Solution
High Capacity	Max Concurrent Registered Users Per Single Ordinary P4 PC : at least 2000 Max Concurrent Call Processing Per Single Ordinary P4 PC : at least 2000
Performance	Very High Performance. Totally rely on your hardware.