

Data Sheet

pbxnsip PBX 2.0

Using a Private Branch Exchange (PBX) in Voice over IP environments means switching from proprietary hardware to interoperable software. The pbxnsip PBX is a powerful, simple-to-deploy solution that addresses businesses that want to leverage existing and future investment into VoIP equipment.

Component-based Approach

The pbxnsip product makes it possible to choose best-of-class components to set up the corporate communication infrastructure. You may choose the hardware platform of your choice (Windows-based or Linux-based), you may choose your server hardware, your PSTN termination, your handsets and you may integrate new devices

10 Good Reasons for the pbxnsip PBX

- 1 It truly supports SIP.
- 2 It meets your security needs.
- 3 It runs on Windows and Linux.
- 4 It supports plug and play.
- 5 It supports trunks to your ITSP.
- 6 It talks to your PSTN gateway.
- 7 It addresses NATs and firewalls.
- 8 It is callable from the Internet.
- 9 It is affordable.
- 10 It makes VoIP simple!

See <http://www.pbxnsip.com/reasons.php> for more information.

like WiFi cell phones into your system.

Localization and Configuration

The PBX comes with selected pre-recorded languages (e.g. US-English, German, French, Spanish, and Russian); other languages can be added easily. The auto attendant is able to prompt the user to select a language, which makes it possible to use the PBX with dual language requirements. Texts for emails can be customized using language definition files. The built-in web server supports multiple languages. All localization settings can be defined on domain and extension level.

In order to support easy and safe installation, the PBX includes a tftp server that generates configuration files for selected user-agents on the fly (e.g. Cisco phones models 79xx version 8.x, Polycom 2.x versions, snom 6.x versions). Other user agents can easily be added by simple configuration file templates.

Security and Monitoring

The PBX protects the caller's privacy by using the latest IETF standards (TLS, SRTP, and SDES). Operators have access to calls by barge-in, teach-mode or listening-in. Calls can be recorded to the file system or sent to a SIP-based monitoring port. The PBX maintains the security context, so that these features are also available when SRTP is being used.

Paging and Intercom

The PBX supports these popular functions by using standard SIP and multicast RTP. This makes it possible to implement small paging groups up to large corporate announcement systems. Music on hold can be sourced from files and RTP streaming. Selected devices also allow music on hold

input from the audio input jack.

PBX Functions

The PBX supports hunt groups and waiting queues. All services can be run in day/night mode. If necessary, simple IVR dialogs can be set up and external databases can be queried for routing purposes. A built-in conference mixer is able to host unmanaged conferences.

In addition to the build-in mailbox system, external, SIP-based voice mail systems (for example, Microsoft® Exchange 2007) can be integrated.

NAT and Mini-SBC

The service runs on hosts with multiple IP addresses. For example, several private and public IP addresses can be mixed. A built-in mini-session border controller makes sure that devices behind NAT can be registered to the PBX. This makes it possible to run the service for extensions in the LAN and at home offices.

The PBX also supports the allocation of public IP addresses using STUN. This is necessary for some ITSP in order to present them with a routable address.

Cell Phone Support

The PBX supports multiple registrations per extensions. The user may decide to ring the cell phone after a certain time when the extension does not pick up. When receiving a voicemail message, the PBX may call the cell phone and read the message out.

For international calls, PBX users can call from their cell phones into the PBX to place international calls using the PBX's dial plan and rates. This significantly reduces the communication costs for international oriented companies.

Management

Management costs make up a large portion of the total cost of ownership when running services like a IP-PBX. The pbxnsip

PBX is a small, stable and easy to maintain component – reducing the ownership costs significantly compared to other products. Using only the file system makes backup and redundancy easy. Most of the administration can be done from the web interface of the PBX.

A built-in SNMP agent makes it possible to integrate the PBX into the overall corporate monitoring system.

Presence and IM

The PBX supports sharing presence information and instant messaging (IM). This makes it possible to operate these services independently from public vendors. This has the advantage that users do not get distressed by public IM traffic during work hours.

Busy Lamp and CO-Lines

Devices that support the IETF dialog state can take advantage of the state agent which is incorporated in the PBX. Even for non-dialog aware devices, the PBX keeps track of the line status and sends notifications to subscribed devices. By subscribing to the status of the CO-Lines defined in a trunk, end users can see the status of the PSTN lines of the system.

Licensing

Version 2.0 offers a large number of license options. License bundles for typical setups can be obtained from qualified resellers. Additional options can be added to the bundles.

Ask for upgrade licenses from previous versions to 2.0.

Contact

For more information on the product, see <http://www.pbxnsip.com>. For technical documentation, see <http://wiki.pbxnsip.com>.

For other information, contact <mailto:info@pbxnsip.com> or +1-978-746-2777.