

To Serve & Protect

reliable and capable
SIP protection system

Benefits

- **Data protection**

Keep your system data protected and prevent intrusions, data leaks and data misuse.

- **Investment protection**

Protect the system you paid for and prevent the money loss caused by intrusions and system abuse.

- **Customer protection**

Protect your customers data and build a long term, trust based relationship that will be of benefit to both parties.

- **Higher system up-time**

Keep your system up and running, preventing all kinds of attacks that could cause your system to fail.

- **Better performance**

Prevent customer complaints and low system performance caused by the network attacks.

- **Network security**

By securing your SIP phone system drastically improve the overall security of the entire company network.

General info

sipPROT is a PBXware and SERVERware module that provides protection from SIP attacks.

Brute-force break-in attempts and Denial of Service attacks are quite frequent and an unpredictable threat. Unprotected VoIP PBX systems are very sensitive to this kind of attacks.

Unlike other similar solutions, sipPROT works with LIVE SIP traffic, dynamically blocking/unblocking IP addresses currently threatening the system.



Key features

- Advanced Attack Detection
- SIP Protocol Anomaly Detection
- Dynamic Configuration
- Pattern Recognition
- Black List / White List
- Dynamic Block/Unblock of IPs
- TFTP Brute Force Detection
- Admin Notifications
- Real Time SIP Monitoring



SIP Protection Purpose

All devices and systems connected to the internet are constantly exposed to security risks, the VoIP systems are no different. A single un-protected element can jeopardize the entire network security and stability. Defend yourself!

The most common types of SIP attacks are:

- *DDoS (Denial of Service Attack)*
- *Brute Force Attack*
- *TFTP Brute Force Attack*
- *SIP Scanner Attack*



The most common consequences of this kind of network attack are:

- *VoIP Service downtime*
- *The possibility of password stealing*
- *Direct financial loss due to network instability*



sipPROT prevents those scenarios!

To detect SIP attacks, sipPROT uses the advanced detection techniques:

- *Pattern recognition*
- *Brute Force detection*
- *SIP protocol anomaly detection*





How it works

sipPROT does constant, LIVE SIP Traffic monitoring. After an attack is detected, sipPROT updates the firewall rules and blocks IP addresses from which the attack is coming, for a specific amount of time. If attacks stop in a certain period of time, sipPROT unblocks that IP addresses automatically.

This allows sipPROT to block attacks more efficiently than most other solutions. In case of an attack the sipPROT will notify administrator asap. In addition, sipPROT generates reports and sends them to the administrator every hour.

Black / White List

Users are able to place a specific IPs on Black list (blocking them out permanently) or on a White list (allowing unrestricted access).



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Vision Statement

We Unify Communications!

Mission Statement

We provide the Communication World with the most Complete Turnkey Communication Systems available by Creating, Unifying and Supporting the Most Advanced of Current Technologies.

Overview

Bicom Systems was the first company to deliver Open Source Communications Software as Professional Turnkey Solutions.

By combining the best of open source telephony and its own proprietary software, Bicom Systems can provide enterprises with turnkey solutions that take account of the clients' exact needs within a very cost-effective framework - giving CIOs the safest choice. This mix includes royalty-free software, vibrant open source communities, available custom development backed up by accountable, professional support services.

The company finds innovative open source communication projects and professionalizes the project by creating, unifying and supporting turnkey systems with its proprietary in-house software. Bicom Systems provides the resources, core development and support services to enable popular open source projects to scale into enterprise-class communications software.

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