

The Protector That Your System Deserves



PRODUCT OVERVIEW

sipPROT

bicom
SYSTEMS

wiki.bicomsystems.com

What is sipPROT?

sipPROT is Bicom Systems' own answer for a defensive measure against SIP attacks. It's a module that works together with PBXware and SERVERware that monitors live SIP traffic and detects potential abnormalities. Once detected, sipPROT locks them out by updating the firewall or by blocking the IP address directly, without requiring any input from your end other than adjusting the length of the lockout period.

sipPROT is equipped with a strong defensive arsenal which protects some of the core aspects of the system, be it from SIP attacks through the use of SIP scanner protection and SIP protocol anomaly detection, or from TFTP attacks by utilizing TFTP brute force protection, all of which are some of the most common and damaging cyber security risks.



sipPROT
Powered by Bicom Systems

Essential sipPROT Features & Benefits



DYNAMIC BLOCKING AND UNBLOCKING

One of sipPROT's main assets is its ability to react quickly when it detects a threat, automatically blocking down the IP address of a potential attack and keeping your system safe from what would've been a potential breach.

The lock isn't permanent, but the time can be adjusted to a length more suitable to your preferences so the user isn't permanently locked out from your services due to the nature of dynamic IPs in most ISPs which can lead to the specific IP address no longer being compromised.

And all of this is done with minimal manpower requirements to maintain it, allowing you to free it up for other tasks.



AUTO-PROVISIONING ATTACK DETECTION

One of the most vulnerable points of a SIP system tends to be its auto-provisioning service, but with sipPROT, even that area is covered thanks to its TFTP Brute Force Attack detection.

It easily spots potential attacks on the system that are trying to redirect all of the requests and messing with the system to whatever degree and stop them in their tracks.



MANAGEMENT OF ALLOWLISTS AND DENYLISTS

sipPROT has another excellent quality of life feature which will save your system admins a lot of man hours, the ability to import and export allowlists and denylists from one system to another in .csv format.

They can also add specific notes to specific IP addresses if necessary so they could be given more attention as well as remove IP addresses from the same lists in bulk and define multiple SIP ports to be protected.

All of this serves to greatly improve their workflow and eliminates a lot of the tedium from their day-to-day duties.

Allowlist

Allowlist IP Addresses

Remove

Export CSV

Import CSV

<input type="checkbox"/> IP Address	Country	Note	
<input type="checkbox"/> 12.6.3.8	United States		<div><div></div><div></div></div>
<input type="checkbox"/> 15.8.7.88	United States	Allowed by admin	<div><div></div><div></div></div>
<input type="checkbox"/> 15.68.58.22	Germany		<div><div></div><div></div></div>
<input type="checkbox"/> 80.69.48.43	Azerbaijan		<div><div></div><div></div></div>
<input type="checkbox"/> 83.23.6.22	Poland		<div><div></div><div></div></div>
<input type="checkbox"/> 95.19.6.88	Spain		<div><div></div><div></div></div>
<input type="checkbox"/> 98.63.5.5	United States		<div><div></div><div></div></div>

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GeoIP BLOCKING

Utilize the full power of sipPROT through the use of GeoIP blocking, allowing system admins to lock out the IP range of an entire country in case of a large SIP attack or for any other valid reason.

SERVERware

MAIN MENU

NETWORK

DOMAINS

Dashboard

Domains

Hosts

VPSs

Statistics

Archives

Backup

Geo-Redundancy

sipPROT

General

Allowlist IP Addresses

Denylist IP Addresses

Dynamic Denylist

Settings

Reports

sipPROT

General

Notification Recipients

Protocol:

UDP

SIP Ports:

5060

Specify one or more ports or ranges, e.g. "5060" or "5060:5062".

SIP Blocking Rule:

10

bad registration per minute

Dynamic Block Time:

1 Hour

Block Threshold:

0

Blocked User Agents:

friendly-scanner sipsak Elite

Blocked Countries:

China (CN) Afghanistan (AF) Russian Federation (RU) Pakistan (PK) India (IN) Kazakhstan (KZ) Bulgaria (BG)

IP Geolocation by DB-IP

Version: 2023-03

Update DB

Additional Protections:

TFTP Protection

DNS Protection

Notifications:

Send Daily Attack Summary

Send Log For Every Attack

Limited to: 100 instance(s) - Expiry date: Sep 16, 2041

Save & Apply

24/7 Expert Support at Your Fingertips

Rest assured with round-the-clock support. Our highly trained experts are always available to address any system-related issues or questions that you may have, ensuring seamless operations and peace of mind.

CONTACT BICOM SYSTEMS TODAY

to find out more about our services

Bicom Systems (USA)

2719 Hollywood Blvd
B-128
Hollywood, Florida
33020-4821
United States

Tel: +1 (954) 278 8470

Tel: +1 (619) 760 7777

Fax: +1 (954) 278 8471

Bicom Systems (CAN)

Hilyard Place
B-125
Saint John, New Brunswick
E2K 1J5
Canada

Tel: +1 (647) 313 1515

Tel: +1 (506) 635 1135

Bicom Systems (UK)

Unit 5 Rockware BC
5 Rockware Avenue
Greenford
UB6 0AA
United Kingdom

Tel: +44 (0) 20 33 99 88 00

Bicom Systems (FRA) c/o FONIA

Zac du Golf
15 Impasse Oihana
64200 BASSUSSARRY

Tel: +33 (0)5 64 115 115

Email: contact@fonia.fr

Bicom Systems (ITA)

Via Marie Curie 3
50051 Castelfiorentino
Firenze
Italy

Tel: +39 0571 1661119

Email: sales@bicomsystems.it

Bicom Systems (RSA)

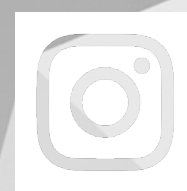
12 Houtkapper Street
Magaliessig
2067
South Africa

Tel: +27 (10) 0011390

email: sales@bicomsystems.com

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