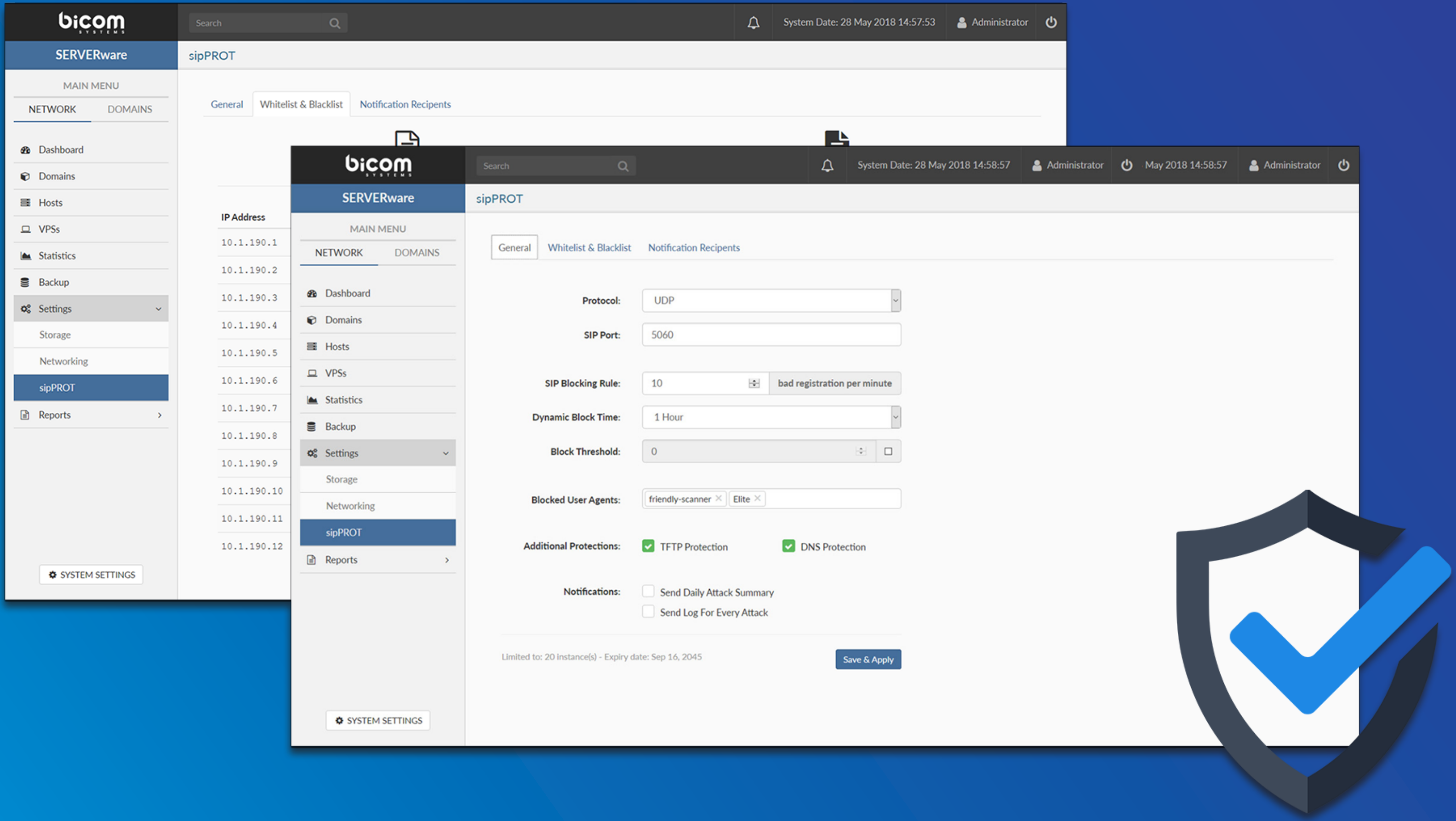


IP Address
10.1.190.1
10.1.190.2
10.1.190.3
10.1.190.4
10.1.190.5
10.1.190.6
10.1.190.7
10.1.190.8
10.1.190.9
10.1.190.10
10.1.190.11
10.1.190.12

Protocol: UDP

SIP Port: 5060

SIP Blocking Rule: 10 bad registration per minute

Dynamic Block Time: 1 Hour

Block Threshold: 0 □

Blocked User Agents: friendly-scanner × Elite ×

Additional Protections: ☑ TFTP Protection ☑ DNS Protection

Notifications: □ Send Daily Attack Summary □ Send Log For Every Attack

Limited to: 20 instance(s) - Expiry date: Sep 16, 2045

Save & Apply

sipPROT DATASHEET

The sipPROT datasheet contains a comprehensive list of features and their detailed description.

KEEP YOUR SYSTEM SECURE

sipPROT works with LIVE SIP traffic, constantly monitoring SIP packets being received.

sipPROT

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. The most common consequences of this kind of network attack are VOIP service downtime, Call quality issues due to an overloaded network, and Direct financial loss due to network instability. sipPROT's main purpose is to prevent those attacks.

IP ADDRESS FILTERING AND BLOCKING

Whitelist

The list of IP addresses that will not be blocked by sipPROT under any circumstances. IP addresses in the whitelist are added manually by the administrator.

Blacklist

The list of IP addresses that will always be blocked by sipPROT. IP addresses in the blacklist are added either manually, by the administrator, or automatically by sipPROT, depending on what is set up in the sipprot.conf configuration file.

Whitelist/Blacklist Management

Whitelist/Blacklist management using the ipset module if it's present on the system.

SIP TRAFFIC PROTECTION

Protocols TCP/UDP

sipPROT is monitoring SIP traffic on both TCP and UDP protocols.

Dynamic Blacklist Management

sipPROT will temporarily put any IP address to the dynamic blacklist in case it unsuccessfully tries to register to PBXware multiple times in a short time span. After the predefined period expires, the IP address will be removed from the dynamic blacklist automatically.

SIP Register Protection

SIP REGISTER protection dynamically blocks an IP address if a number of a bad SIP registration exceeds the configured threshold (hit_count) within a given monitoring period (monit_period). The block_threshold config parameter defines how many times an IP address will be dynamically blocked before it is added to the static blacklist.

SIP Invite Protection

The SIP INVITE rate limitation does not fully protect against a SIP INVITE attack, it just mitigates the DoS attack impact. When a number of simultaneous SIP INVITEs exceed the configured limit, a notification will be sent to the system administrator. It is up to the system administrator to decide whether to permanently add the source IP address to the blacklist or to increase the rate_limit if INVITES are coming from a known IP address.

SIP Scanners Protection

The report generator allows users to create a report from historical data based on the preferred criteria.

TFTP Protection

TFTP protection allows you to protect your servers against TFTP brute force attacks by using the rate limit. In an example of default settings, if SIPprot detects more than 100 tftp request from a single IP in one minute, the further requests from that IP will be limited at 10/minute.

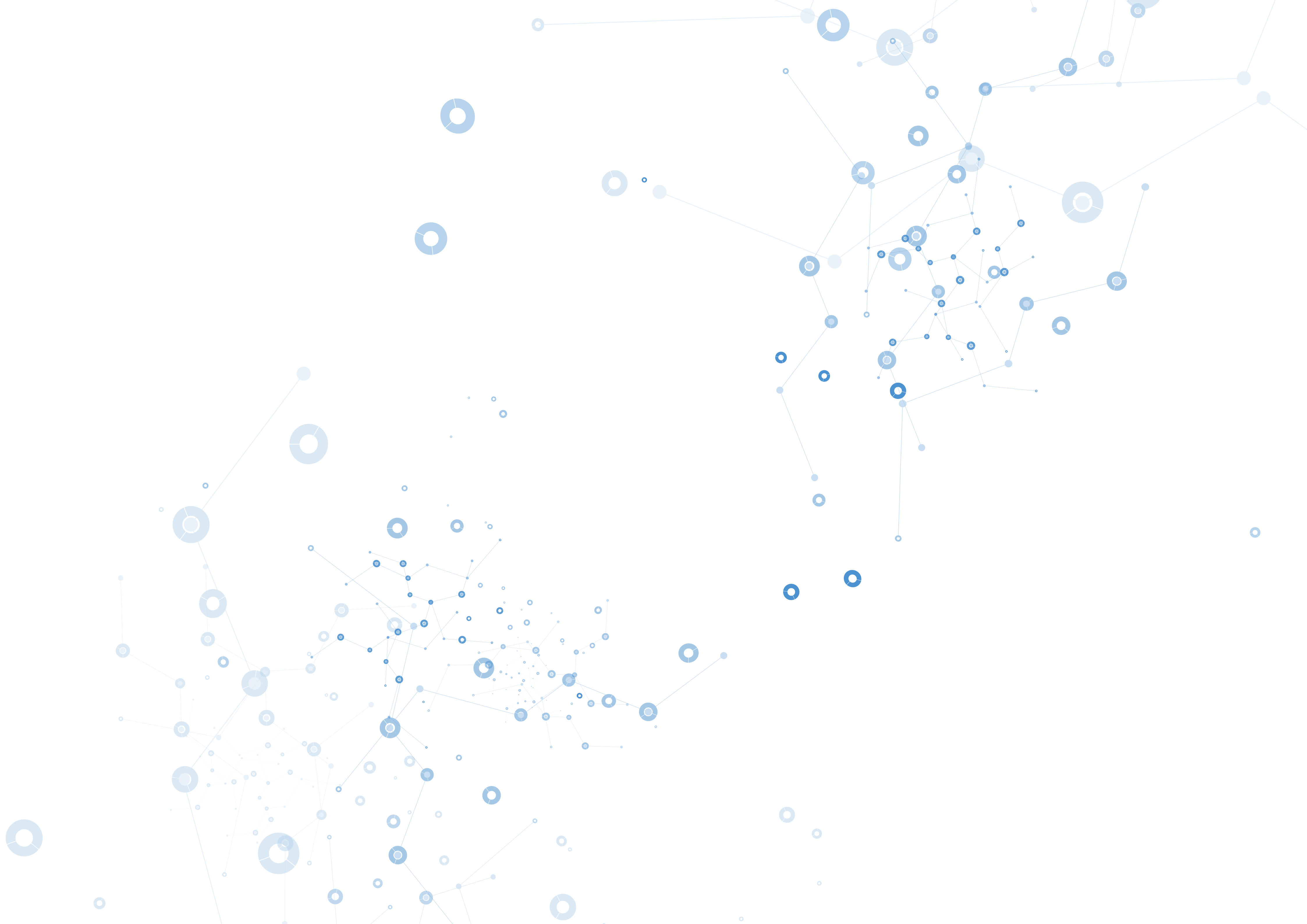
DNS Protection

DNS protection allows you to protect your servers against recent glibc vulnerability (CVE-2015-7547) that affects DNS clients. To enable/disable this kind of protection, use the dns_protection config parameter.

LOGGING AND NOTIFICATIONS

Logging and Notifications

You can configure sipPROT to send out notifications informing the administrator of potential attacks.



ONE STEP AHEAD

Our security engineers are constantly developing new and improved ways to protect your VOIP system from potential threats.

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 (FRA)
188 Route de Blessy
St. Quentin
Aire-sur-la-Lys
62120
France

Tel: +33 (0) 3 60 85 08 56

Bicom Systems (UK)
Unit 5 Rockware BC
5 Rockware Avenue
Greenford
UB6 0AA
United Kingdom

Tel: +44 (0) 20 33 99 88 00
Fax: +44 (0) 20 33 99 88 01

email: sales@bicomsystems.com

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