



# SBA10000 Baremetal Appliance

## POWERFUL AND EASY TO USE ADC



Transform your physical infrastructure into an efficient operations hub with **SKUDONET SBA10000 Baremetal Appliance**. This **ISO image** lets you install SKUDONET software directly onto your hardware, maximizing your existing resources.

Enjoy **all the advanced features of the Enterprise Edition**: integrated WAF protection, unlimited scalability, and multi-protocol support. Perfect for businesses looking to customize their solution without compromising security or performance.



## Massive Scalability

- Supports up to **40Gbps** of traffic throughput.
- Load balancing at **Layers 2, 3, 4, and 7 for WAN** uplinks, applications, services, and data centers.
- Advanced traffic distribution methods: weight-based, round robin, hashing, least connections, least response time, and symmetric distribution.
- Configurable persistence and session management, including **session replication in stateful clusters**.
- Inter-data center WAN load balancing with DNS-based **Global Server Load Balancing (GSLB)**.
- Automated and **customizable health checks** for servers and services.
- Compatibility with main hardware in the market, including Dell EMC, HPE, Lenovo, Supermicro, and more.



## Security

- Integrated Web Application Firewall (**WAF**) with **OWASP** rules for SQL injection (**SQLi**), cross-site scripting (**XSS**), botnet detection, IPS+IDS, and other application-layer threats.
- Support for custom **WAF rule files** and personalized error responses for blocked requests.
- **DDoS protection** engine with configurable per-service rules.
- Real-time and **automated threat intelligence** with over 200 preloaded blacklists, including botnets, spam lists, TOR nodes, anonymous proxies, and brute force hosts.
- **Role-Based Access Control (RBAC)** with LDAP/AD integration and SSH access control for administrators.
- **Full VPN support**: site-to-site IPsec, L2TP+IPsec, and remote server warrior mode.
- **Secure SSL/TLS support** with automatic Let's Encrypt certificate management.
- Compliance-ready with **A+ SSL** Labs rating and **PCI DSS** standards.



### System

- Operating System upgraded to **Debian 12.5 LTS** for extended stability and support.
- **Optimized kernel** (6.1.90-10skudonet) for improved performance and networking capabilities.
- High availability with active-passive **clustering and stateful failover**, ensuring no session loss during node transitions.
- Enhanced logging and monitoring: **profiling logs for HTTP/S farms**, user-friendly log viewers, and extended IPDS filter logs.
- Centralized **Web Console with a Angular v18** interface, featuring improved UX, dark mode, and multi-language support.
- Fully programmable **REST+JSON API** for automation and integration.
- Support for **multiple network protocols** including TCP, UDP, SCTP, SIP, FTP, TFTP, HTTP, HTTPS, RDP, SSH, POP3, IMAP, SMTP, DNS, NTP, LDAP, LDAPS, Radius, WebSocket, and more.



### Management

- **Advanced routing:** dNAT, sNAT, DSR, stateless dNAT, and custom static routing.
- **VLAN and Virtual IP** support for flexible network configurations.
- **Real-time block lists (RBL)** and Domain Name System-based Blackhole List (DNSBL) integration.
- Enhanced **SNMP monitoring** with multiple scope support.
- Session synchronization daemon improvements for **cluster stability**.

## What About SKUDONET Performance?



**+10 MILLION**

concurrent users per sec in layer 4



**+140 THOUSAND**

concurrent users per sec in layer 7 HTTP



**+120 THOUSAND**

concurrent users per sec in layer 7 HTTPS

**MORE THAN 500**

Customers worldwide

**MORE THAN 60**

Countries

**MORE THAN 90%**

Support renewal rate

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