



SVA10000 Virtual Appliance

POWERFUL AND EASY TO USE ADC



Optimize your virtual infrastructure with **SKUDONET SVA6000 Virtual Appliance**. Designed as a **virtual machine template**, this product is compatible with leading hypervisors like **VMware, Hyper-V, KVM**, and more.

With SKUDONET pre-installed, you'll have a **ready-to-use solution** that delivers **advanced load balancing**, automatic scalability, and comprehensive cybersecurity. Ideal for companies operating in virtualized environments, seeking maximum flexibility and 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)**.
- Support for **virtual environments**, including VMware, HyperV, Xen, KVM, Proxmox, Nutanix, Red Hat, Oracle Virtualization, and OpenStack.
- Enhanced networking with support for **100Gb NIC cards** and link aggregation.
- Expanded support for virtualization formats: **VDI, QCOW2, VHDX, VMDK**.
- Automated and **customizable health checks** for servers and services.



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

Contact us at info@skudonet.com

Visit our website [SKUDONET.com](https://www.skudonet.com)