Barracuda
Your journey, secured.

DATASHEET

Barracuda CloudGen WAF for Azure

ICSA labs CERTIFIED

Microsoft Azure Certified

Securing applications and data in Microsoft Azure.

Barracuda CloudGen WAF blocks an ever-expanding list of sophisticated web-based intrusions and attacks that target your applications hosted in Azure and the sensitive or confidential data to which they have access. Placed between the Internet and web servers, Barracuda CloudGen WAF scans all inbound web traffic to block attacks, and scans outbound traffic to provide highly effective data loss prevention.

Barracuda CloudGen WAF simplifies application security so you can focus on your business. Its comprehensive feature set, versatile deployment options, and ease of use lets you automate many application security tasks in the cloud.

Constant protection from evolving threats

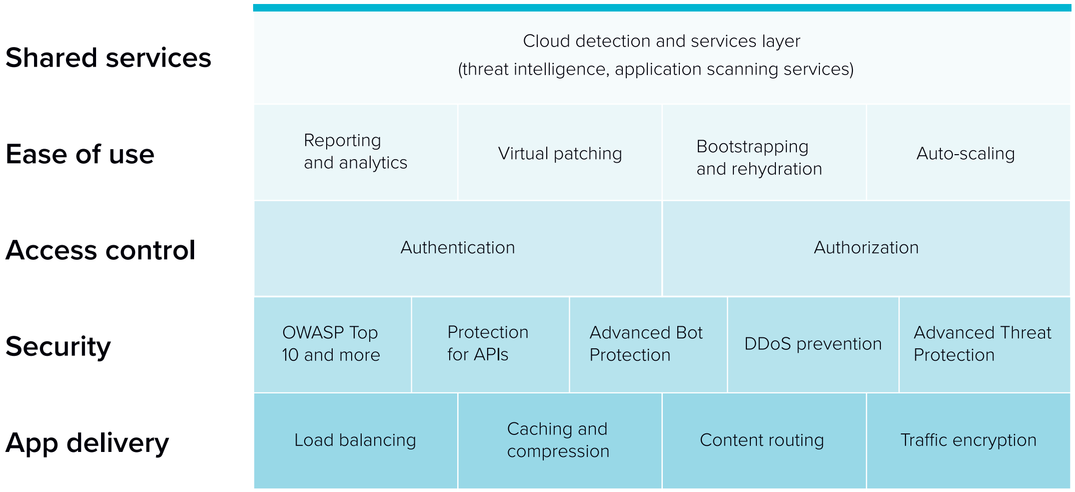
Barracuda CloudGen WAF provides superior protection against data loss, DDoS, and all known and unknown (zero-day) attack vectors. Automatic updates provide defense against new threats as they appear. As new types of threats emerge, it acquires new capabilities to block them.

Identity and access management

Barracuda CloudGen WAF has strong authentication and access control capabilities that ensure security and privacy by restricting access to sensitive applications or data to authorized users.

Affordable and easy to use

Pre-built security templates and intuitive web interface provide immediate security without the need for time-consuming tuning or application learning. Integration with security vulnerability scanners and SIEM tools automates the assessment, monitoring, and mitigation process.



Shared services

Cloud detection and services layer
(threat intelligence, application scanning services)

Ease of use

Reporting and analytics

Virtual patching

Bootstrapping and rehydration

Auto-scaling

Access control

Authentication

Authorization

Security

OWASP Top 10 and more

Protection for APIs

Advanced Bot Protection

DDoS prevention

Advanced Threat Protection

App delivery

Load balancing

Caching and compression

Content routing

Traffic encryption

API-driven and DevSecOps-ready

Technical specs

Web application security

- OWASP Top 10 protection
- Protection against common attacks
  - SQL injection
  - Cross-site scripting
  - Cookie or forms tampering
- Form field meta-data validation
- Adaptive security
- Website cloaking
- URL encryption
- Response control
- JSON payload inspection
- XML firewall
- Web scraping protection
- Outbound data theft protection
  - Credit card numbers
  - Custom pattern matching (regex)
- Granular policies to HTML elements
- Protocol limit checks
- File upload control

Logging, monitoring, and reporting

- System log
- Web firewall log
- Access log
- Audit log
- Network firewall log
- On-demand and scheduled reports

Centralized management

- Moniter and configure multiple Barracuda products from a single interface
  - Check health and run reports
  - Assign roles with varied permissions
  - Available from anywhere

Authentication

- LDAP/RADIUS
- Client certificates
- SMS passcode
- Single sign-on
- Multi-domain SSO

Advanced authentication

- Kerberos v5
- SAML
- Azure Ad
- RSA SecurID

Advanced Bot Protection

- Detects “low-and-slow” bots
- Minimizes false positives
- Allows human and good-crawler activity

Supported web protocols

- HTTP/S 0.9/1.0/1.1/2.0
- WebSocket
- FTP/S
- XML

Application delivery and acceleration

- High availability
- SSL offloading
- Load balancing
- Content routing

DDoS protection

- Integration with Barracuda NextGen Firewall to block malicious IPs
- Barracuda IP Reputation Database
- Heuristic Fingerprinting
- CAPTCHA challenges
- Slow Client protection
- Layer 3 and Layer 7 Geo IP
- Anonymous proxy
- ToR exit nodes
- Barracuda block list

SIEM integrations

- HPE ArcSight
- RSA enVision
- Splunk
- Symantec
- Microsoft Azure Event Hub
- Custom

Support options

Barracuda Energize Updates

- Standard technical support
- Firmware and capability updates as required
- Automatic application definitions updates

Management features

- Customizable role-based administration
- Vulnerability scanner integration
- Trusted host exception
- Adaptive profiling for learning
- Exception profiling for tuning
- Rest API
- Custom Templates

Model Comparison

	MICROSOFT AZURE - COMPUTE INSTANCE NAME			
CAPABILITIES	**LEVEL 1**	**LEVEL 5**	**LEVEL 10**	**LEVEL 15**
Virtual cores	1	2	4	8
Throughput	100 Mbps	200 Mbps	400 Mbps	750 Mbps
HTTP connections per second	5,000	7,000	10,000	14,000
HTTPS requests per second	5,000	7,000	10,000	14,000
FEATURES				
SSL offloading	✓	✓	✓	✓
Smart signatures	✓	✓	✓	✓
Response control	✓	✓	✓	✓
Advanced Threat Protection[3]	-	✓	✓	✓
Advanced Bot Protection[5]	✓	✓	✓	✓
Outbound data theft protection	✓	✓	✓	✓
File upload control	✓	✓	✓	✓
Authentication and authorization	✓	✓	✓	✓
Vulnerability Scanner integration	✓	✓	✓	✓
Protection against DDoS attacks[4]	✓	✓	✓	✓
Web scraping protection	✓	✓	✓	✓
Network firewall	✓	✓	✓	✓
Clustering[1]	Config sync	Config sync	Config sync	Config sync
Caching and compression	✓	✓	✓	✓
Basic AAA	✓	✓	✓	✓
Advanced AAA	✓	✓	✓	✓
Load balancing	✓	✓	✓	✓
Content routing	✓	✓	✓	✓
Adaptive profiling	✓	✓	✓	✓
URL encryption	✓	✓	✓	✓
Antivirus for file uploads	-	✓	✓	✓
XML firewall	✓	✓	✓	✓
JSON security	✓	✓	✓	✓
Premium support[2]	Optional	Optional	Optional	Optional

[1] Clustering enables synchronization of configuration between multiple instances. Azure Load Balancer may be used to distribute the traffic to multiple nodes.

[2] Premium support ensures that an organization’s network is running at its peak performance by providing the highest level of 24x7 technical support for mission-critical environments.

[3] Requires active Advanced Threat Protection subscription. Available on BYoL models only.

[4] Active DDoS protection requires subscription.

[5] Advanced Bot Protection requires subscription.

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