

AppWall®: Web Application Firewall

Technical Product Information

AppWall OnDemand Switch™ Platforms

AppWall is available on Radware OnDemand Switch platforms as a stand-alone platform or as a module on top of Radware's application delivery controller (ADC), Alteon. Scalability is achieved by throughput upgrade licenses or with the AppWall clustering feature in conjunction with an ADC.

For detailed specifications of Radware's Alteon, please refer to the [Radware Alteon Technical Specifications](#).

AppWall Virtual Appliance

AppWall Virtual Appliance (VA™) is a full-featured AppWall web application firewall (WAF) packaged as a virtual appliance running on a server virtualization infrastructure, providing identical functionality to an AppWall physical appliance, including management, reporting and clustering.

Attacks Prevented

Full coverage of OWASP Top 10 web application security risks:

- A1 – Injection
- A2 – Broken Authentication
- A3 – Sensitive Data Exposure
- A4 – XML External Entities (XXE)
- A5 – Broken Access Control
- A6 – Security Misconfiguration
- A7 – Cross-Site Scripting (XSS)
- A8 – Insecure Deserialization
- A9 – Using Components with Known Vulnerabilities
- A10 – Insufficient Logging & Monitoring

Web application attacks prevented:

- XSS
- SQL injections
- OS command injections
- LDAP injections
- SSI injections
- XPath injections
- Sensitive information leakage (e.g., CCN, SSN, custom defined)
- Application DoS
- CSRF
- Parameter tampering
- Form field manipulation
- Session hijacking
- Cookie poisoning
- Application buffer overflows
- Brute Force attacks
- Access to predictable resource locations
- Unauthorized navigation
- Web server reconnaissance
- Directory/path traversal
- Forceful browsing
- Hotlink
- HTTP response splitting
- Evasion and illegal encoding
- XML validation
- Web services method restrictions and validation
- HTTP RFC violations
- HTTP request format and limitation violations (size, unknown method, etc.)
- Use of revoked or expired client certificates
- File upload violations

Product Virtualization Requirements — AppWall VA

Available Throughput Licenses 200Mbps, 500Mbps, 1Gbps and 2Gbps

MINIMAL REQUIREMENTS

Logical Disks	1
Disk Space	26GB
vCPUs	2
vRAM	2GB
Network vInterfaces	2

RECOMMENDED REQUIREMENTS

vCPUs	4
vRAM	6GB
Network vInterfaces	2
Supported Virtualization Environments	VMware ESX or ESXi 5.0/5.5

Specifications are subject to change without notice.