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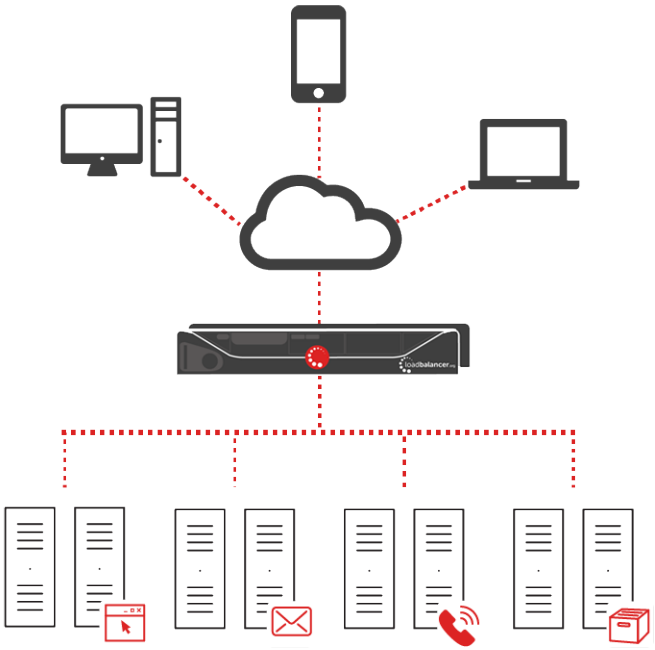
# Enterprise AWS R20



## ENTERPRISE AWS R20 DATASHEET

## Features

**Advanced Layer 4/7 load balancing**
With integrated Auto Scaling, this feature rich product brings advanced load balancing functionality to the AWS platform

**Active/passive with seamless failover**
Remove single point of failure by combining two units as a clustered pair for high-availability and resilience

**Health checking**
Constantly monitor the health of your servers and their applications, ensuring intelligent real-time traffic distribution

**Session persistence**
Maintain users connections to specific servers based on various parameters, including Source IP and Cookie insertion

**Industry leading support**
24/7 access to our team of support engineers via email, phone and online chat

aws

The Enterprise AWS R20 provides advanced Layer 4/7 load balancing, automatically distributing incoming application traffic across multiple Amazon EC2 instances in a single AWS availability zone or across multiple zones.

It enables you to achieve even greater fault tolerance in your applications, seamlessly providing the amount of load balancing capacity needed in response to incoming application traffic. Customers can distribute traffic on the internal Amazon network (saving bandwidth costs) or to any accessible Internet address.

Enterprise AWS R20 detects unhealthy instances within a pool and automatically reroutes traffic to healthy instances until the unhealthy instances have been restored. Unlike other vendors, this great product comes fully-featured with a totally unrestricted license to enable unlimited throughput, bandwidth and scalability.

Fire up a 30 day free trial from the Amazon marketplace and see for yourself?

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# Enterprise AWS R20

## Product Overview
Offering incredible power & performance - at entry level pricing. The Enterprise AWS R20 is license restricted to 5 clusters, each with 4 back-end servers.

## Standard Features
- Server Load Balancing (SLB) for any TCP or UDP based protocol
- SSL Acceleration/Offload
- Layer 7 Content Switching
- This model is restricted to 20 real servers (5 VIPs * 4 RIPs)
- No bandwidth, performance or feature limitations
- High performance NAT & SNAT
- Schedulers: Round Robin, Least Connection, Weighted Least Connection, Weighted Round Robin
- Dynamic Schedulers: Windows & Linux feedback agents, Custom HTTP feedback option
- Load balance almost ANY protocol i.e. HTTP, HTTPS, SMTP, POP3, IMAP, Terminal Server etc
- Support for Direct Server Return (DSR) configurations
- Configurable S-NAT support
- Link aggregation (802.3ad)
- VLAN Tagging (802.1Q)
- GSLB

## SSL
- Unlimited support for SSL Certificates
- Support for Third Party Certificates
- Automated SSL Certificate Chaining
- SSL Certificate Signing Request (CSR) Generation
- PFX upload and conversion
- Proxy protocol support
- PCI-ready SSL Implementation

## Performance
- Unlimited Throughput (Instance Dependent)
- Unlimited SSL TPS (Instance Dependent)
- Unlimited HTTP Page GETs/second (Instance Dependent)
- Unlimited Concurrent Session (Instance Dependent)

## L4/L7 Sticky (persistence)
- Connection persistence based on:
  - Source IP address
  - SSL Session ID
  - Passive Cookie
  - Active Cookie (Insert)
  - RDP Cookie / Session Broker
  - X-Forwarded For Header
- Port following (Persistence on multiple combined ports)
- Multiple fallback options i.e. use source IP if no cookie found

## Security Functionality
- Fully integrated WAF (Web Application Firewall)
- OWASP top 10 protection
- Persistent White/Black List (Access Control List system)
- Firewall filtering (full iptables scripting support)
- Firewall lockdown wizard
- DDOS mitigation both at Layer 4 & 7
- Virtual patching
- HTTP & SYN Flood protection
- Block SQL Injection Attacks
- Prevent Cross Site Scripting (XSS)
- Stop Hackers Exploiting Software Vulnerabilities
- FIPS 140-2 Compliant
- PCI DSS Ready

## Health Checking and High Availability
- Application health checking for DNS, FTP, HTTP, HTTPS, IMAP, NNTP... and many more
- ICMP health checking of server farm machines
- Complex manually scripted health checks
- Automatic reconfiguration for defective real server machines
- Automatic replication of static & dynamic configuration from master to slave load balancer
- Stateful Failover (persistence table replication)
- One click secure clustered pair configuration

## Scheduling and Balancing Methods
- Round Robin
- Weighted Round Robin
- Least Connection
- Weighted Least Connection
- Agent-based Adaptive (Windows and Linux Agents)
- Layer 7 Content Switching
- Destination Hash for transparent proxy

## Administration
- Secure, SSH, HTTP and HTTPS for remote access administration
- Fully configurable using Web User Interface
- Easy start configuration and maintenance wizards
- WebUI-based Help Assistant
- Virtual Service Configurations can be edited and tuned on-the-fly
- Real time performance and availability displays
- Optionally configure console port for local administration
- Remotely scriptable Command Line Interface (LBCLI) Option
- SOAP interface to the LBCLI API
- Local and Remote syslog support
- Selective restore of physical and Virtual Service data
- Support for connection draining or halting with or without persistence
- Software and Security updates available on & off-line
- WebUI log reporting with tabbed browser Support
- SNMP support for performance metrics
- Full root access to with a multitude of diagnostic tools tcpdump etc

## EC2 Features
- Static IP support
- Auto scaking group integrations
- IP config through WebUI, no need to use AWS console
- HA across multiple availability zones

## Support Options
- All subscription options include Premium 24/7
- BYOL appliances come with a range of support options to suit you

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