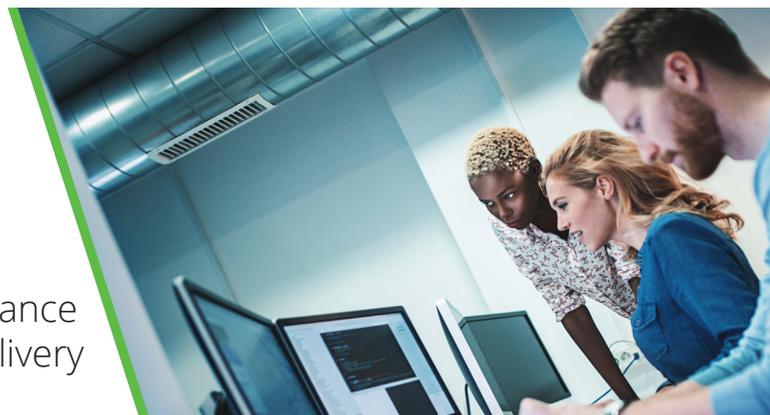




Pulse Secure vADC

Multi-cloud platform for secure, high performance application development, deployment and delivery



Highlights

- Virtual Application Delivery Controller, designed for high-performance virtual and cloud applications
- Software-defined policies for secure access to applications and data
- Traffic flow intelligence and robust scripting
- Flexible capacity-based licensing and lifecycle management for enterprise-scale deployment

Customer Value

- Enhance your customer experience with more attractive and responsive services.
- Higher Performance, increased efficiency, and integrated security for all applications.
- Lower Costs, simplified lifecycle management and intuitive analytics

Solution

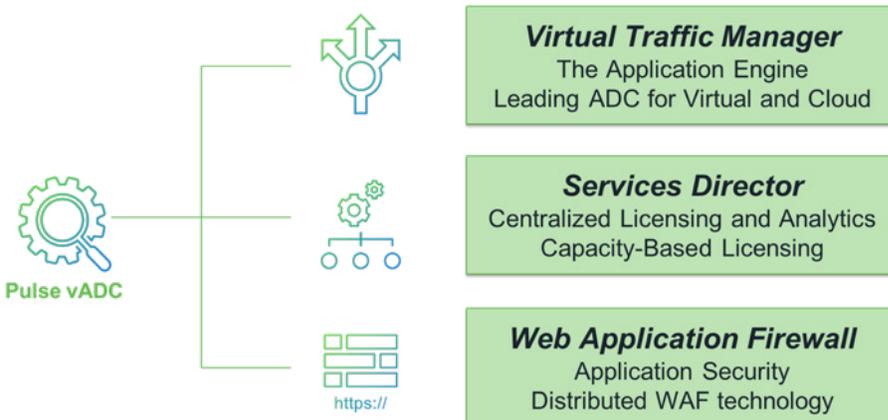
Pulse Secure vADC is designed for your digital transformation journey, as you move from traditional datacenter architectures into a true Hybrid IT architecture. Pulse vADC is more than a software-defined load-balancer – it is a multi-cloud platform for intelligent application control, applying policies for global and local routing, application optimization and service-level monitoring.

- Purpose-Built for the Cloud
- Unique Flexible Licensing
- High-Performance Applications
- Visibility and control of traffic flows
- Automation support for Agile and DevOps teams

Build Smarter Applications

Delight your users with faster, more reliable applications, with no compromise on performance or security. More than just a software load balancer, Pulse vADC drives more transactions, even at peak load conditions, ensuring continuous uptime and real-time security monitoring of application traffic.

Pulse Secure vADC provides application-aware intelligence to support global applications and lifecycle operations, to help you deliver reliable applications with predictable performance and strong multi-layered security.



Challenges

Traditional ADCs can hold back your digital transformation, because they were designed for static datacenters, not for hybrid IT architectures. Modern software-defined datacenters are designed for agility and flexibility, and so performance and security can be compromised as applications are moved into new environments.

Traditional ADC solutions are not able to flex with the needs of your organization, so they are often over-provisioned, with spare capacity for future demand. And they don't play well in the cloud, holding back the evolution of your IT strategy.

- Inflexible infrastructure
- Spiralling costs and low utilization
- No portability between datacenter and clouds
- Poor performance of online applications
- Unreliable applications lead to lower productivity

Use Case Overview

Pulse Secure vADC provides a powerful set of tools to make applications faster, more reliable, and more secure, enhancing the user experience for all users. Flexible licensing means that you can start small, and then scale upwards and outwards to enhance everything from API gateways to global-scale consumer applications, with a common application delivery platform that can grow with your needs.

Secure Access to Global Applications

Pulse Secure vADC enhances your Secure Access architecture with Optimal Gateway Selection, offering global scaling, improved user experience, and providing service protection and agility for custom session routing

CHALLENGES	PULSE SOLUTION
Global Secure Access	Optimal Gateway Selection ensures that users are connected to the nearest available Secure Access gateway, so that global users can connect quickly and easily using a single virtual access point.
Seamless Scaling	Pulse Secure vADC integrates closely with Pulse Connect Secure and Pulse Policy Secure for intelligent session routing and scaling across multiple Secure Access appliances.
Service Protection	Protection against DoS and insider attacks, with intelligent service protection and bandwidth management to ensure that Secure Access infrastructure is shielded from abuse.

Digital Transformation

Pulse Secure vADC brings a new approach to application delivery, with a dynamic architecture and unique capacity-based licensing, which delivers improved agility, high automation levels and faster time to service.

CHALLENGES	PULSE SOLUTION
Reduce OPEX and CAPEX	Break free from expensive support costs and over-sized appliances, right-size your ADC resources, and take control of your costs by moving to a true capacity-based model. Pulse vADC can bring dramatic costs savings within your data center, accelerating your digital transformation journey
Flexible Licensing	Unique flexible licensing model, which allows you to share your resources across all your applications. This new approach to application delivery makes it much easier to add new applications or manage existing ADC capacity without overprovisioning.
Rapid Implementation Easy Growth	Start small, and add more capacity with a simple license upgrade when you need it. Roll out new services up to 10x faster than traditional ADC solutions, supporting rapid release cycles and streamlining application lifecycle from development through to deployment with a common scalable platform.

Building Smarter Applications

Pulse Secure vADC makes it easy to build new, innovative applications, because it supports the DevOps tools used by modern application developers. The new Community Edition makes it easy to start building secure applications, with a free-to-download, free-to-use virtual ADC which can scale up and out whenever you are ready to go global.

CHALLENGES	PULSE SOLUTION
Rapid Application Development	Pulse vADC makes it easy to start building innovative applications, with a free-to-download, free-to-use Community Edition. Scale up and out when you are ready to go global, with enterprise-class support and built-in security tools for SSL/TLS encryption.
DevOps Teams	Pulse vADC encourages high-velocity application development by streamlining application deployment, and offering powerful tools for proactive security, end-to-end visibility and fine-grained control of users, devices and services.
Support for Microservices	Download direct from Docker Hub, deploy in Kubernetes, scale out from microservices to multi-cloud for agile service delivery.

Scalable Application Security

Pulse Secure vWAF is a scalable solution for application-level security, both for off-the-shelf solutions, and complex custom applications including third-party frameworks. It can be used to apply business rules to online traffic, inspecting and blocking attacks such as SQL injection and cross-site scripting (XSS), while filtering outgoing traffic to mask credit card data.

CHALLENGES	PULSE SOLUTION
Balance Performance and Application Security	True layer-7 application security with no compromises on performance, scaling seamlessly from datacenters to multi-cloud global applications. You can be assured of a common application security platform and centralized policies, even when clustering between data centers or across different cloud providers.
Rapid response for virtual patches	Close application vulnerabilities faster, supporting DevSecOps teams by importing ruleset recommendations to implement, test and validate virtual patches. Automated learning can help security teams to manage policies and assist high-velocity developer teams by providing an additional layer of application security to mitigate vulnerabilities in embedded software components.
Reduce false positives	Reduce false positives and refine security policies with the dual-mode “detect and protect” operation. New layered rulesets can be tested without compromising existing policy enforcement, which helps to avoid false positives.
PCI-DSS Compliance	Help compliance with PCI DSS for organizations which manage credit card payments and personal data.



Software

Pure software download
Maximum flexibility for IT architects or OEMs.



Virtual Appliance

Support for a range of hypervisors including VMware, KVM, Microsoft Hyper-V and Oracle VM.



Cloud

Integration with leading cloud service providers. Available on the marketplace for Amazon AWS, Microsoft Azure, Google Cloud Engine.



Bare Metal

ISO image or for PXE installation. Ideal for deploying load balancer services on high-performance intel x86 servers.



Containers

Integrate into Microservices architectures, download via Docker Hub manage via Kubernetes.

FEATURE	BENEFITS
Build Secure, Robust Applications	Protect against traffic surges and unwanted web requests using service protection, with N-way clustering for increased reliability and scalability, and global-load balancing across cloud regions.
Layer 7 Intelligence	Application-aware optimization for virtual and cloud services, intelligent service routing, and real-time inspection of traffic and service level monitoring.
Cloud Portability	Common toolset supported by many public and hybrid cloud technologies, enabling cloud bursting and cloud balancing with auto-scaling for cloud-hosted applications
Visibility and Control	Use graphical tools to visualize connections and traffic flows, and then customize traffic policies with high-performance rules using TrafficScript, such as bandwidth management and traffic shaping to differentiate service levels.
Flexible on-demand licensing	Pay as you grow pricing reduces costs by minimizing overprovisioning, with a unique capacity-based licensing model. Right-size ADC capacity, and reallocate resources as your needs change.
Enterprise Management	Powerful, intuitive analytics to give deep insight into end-to-end traffic flows, centralized Backup and restore for vADC instances, and centralized authentication and policy tools for added security.
Open API Integration	Provision ADC services up to 10x faster than traditional solutions, with automated configuration, licensing and monitoring of ADC services, integrate via open APIs to service orchestration and management tools.
Scalable Web Application Firewall	Protect against attacks at the application layer (e.g., OWASP Top10), and help compliance with PCI-DSS with data loss prevention and proactive application screening.

How Pulse vADC works

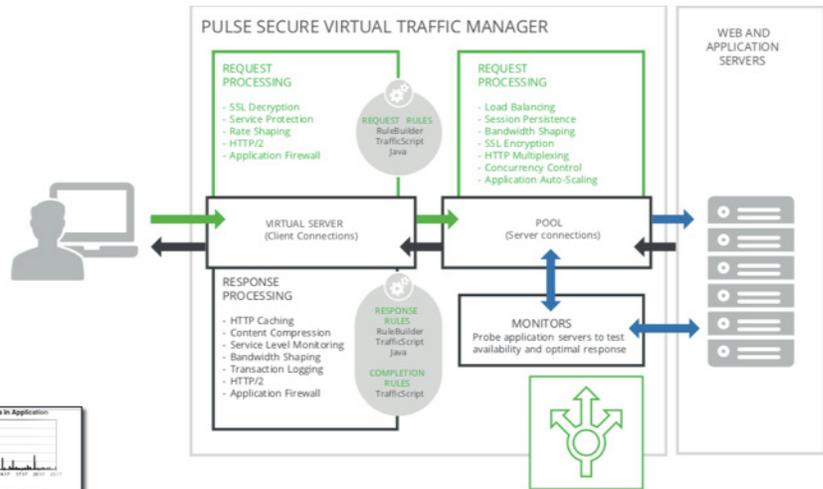
Pulse Secure Traffic Manager inspects and processes application traffic with full payload inspection and streaming. As requests are received, a range of optimization techniques ensures that requests are presented in the most appropriate manner to the web and application servers. Responses from the application can be compressed, cached, and returned to the client at optimum speed, while freeing up resources on the server. Built-in TrafficScript software controls how individual requests are optimized, routed, and transformed. Traffic management rules may also be created using Java extensions.

Pulse Services Director automates the licensing, management and metering of your application delivery services. It gives each of your applications a dedicated ADC instance, with unique capacity-based licensing for a truly flexible ADC infrastructure.

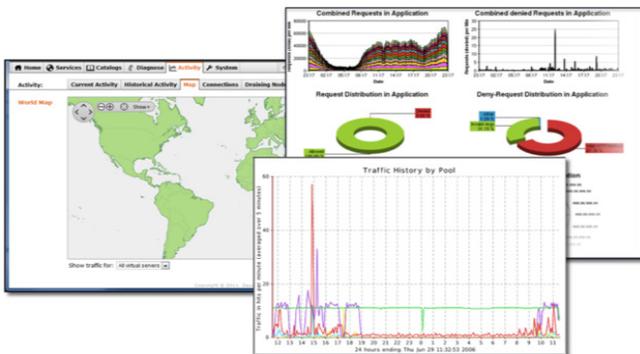
Pulse Web Application Firewall is a scalable and application-aware WAF, offering the highest protection and performance in Web and cloud application security. You can protect against attacks at the application layer (e.g., OWASP Top10), and meet PCI-DSS compliance requirements with confidence.

"Pulse Secure vADC provides incredible reliability and as we add new apps each month, the platform has proven easy to configure."

Mark Studer,
Director of IT Operations,
Healthwise



Powerful application management and visibility tools gives you full control over your vADC infrastructure



Visualize where your traffic is coming from, how it is flowing through applications, clusters and servers, with optional analytics add-on for Pulse Services Director



"Pulse Secure vADC was critical in our migration to a virtual infrastructure, because it is completely software-based and has maximum portability. This gives us the flexibility to jump between cloud providers."

Tim Maliyil, CEO, Alertboot



Corporate and Sales Headquarters
Pulse Secure LLC
2700 Zanker Rd. Suite 200
San Jose, CA 95134
(408) 372-9600
info@pulsesecure.net
www.pulsesecure.net

ABOUT PULSE SECURE

Pulse Secure provides easy, comprehensive software-driven Secure Access solutions for people, devices, things and services that improve visibility, protection and productivity for our customers. Our suites uniquely integrate cloud, mobile, application and network access to enable hybrid IT in a Zero Trust world. Over 20,000 enterprises and service providers across every vertical entrust Pulse Secure to empower their mobile workforce to securely access applications and information in the data center and cloud while ensuring business compliance. Learn more at www.pulsesecure.net.

Copyright 2019 Pulse Secure, LLC. All rights reserved. Pulse Secure, Pulse Secure logo is a registered trademark and Pulse SDP is a trademarks of Pulse Secure, LLC. All trademarks, service marks, registered marks, or registered service marks are the property of their respective owners. Pulse Secure assumes no responsibility for any inaccuracies in this document. Pulse Secure reserves the right to change, modify, transfer, or otherwise revise this publication without notice.

[linkedin.com/company/pulse-secure](https://www.linkedin.com/company/pulse-secure)
 twitter.com/PulseSecure

www.facebook.com/pulsesecure1
 info@pulsesecure.net