

# Pulse Secure vADC for Enterprise Applications

## HIGHLIGHTS

- Scale on-demand with superior N+M clustering for highly available and elastic application delivery
- Dynamic capacity-based licensing enables flexible provisioning and metering
- Help to meet security and compliance requirements with granular security policies and an application-aware Web application firewall
- Meet the most complex and unique application demands with programmable rules to differentiate and prioritize business transactions
- Seamless portability supports on-premises and hybrid cloud deployments

## Accelerating Enterprise Applications for Superior Service Availability

Enterprise applications impact every facet of today's business environments and continue to grow. Customer relationship management, enterprise resource management, supply chain management, and operations and manufacturing applications continue to show CAGR rates around 6 percent<sup>1</sup>, and enterprises are being driven to promote communication and accessibility is spurring enterprises by developing business apps for both customers (60%) and employees (56%)<sup>2</sup>.

Even as the deployment of business applications increases, so do the challenges to improve application performance, increase user satisfaction, and drive superior customer experiences. These challenges are driving the adoption of disruptive deployment models, with the majority of organizations either likely to consider or considering using public cloud deployments for applications. Application performance can drive user

confidence in key business applications and dramatically impact productivity. Even with a consistently positive user experience, challenges can arise as success breeds more use, creating additional stress on applications. In many cases, the wider the use of applications—internally as well as among customers and partners—can dramatically increase security risks.

<sup>1</sup> IDC, *Worldwide Enterprise Applications Forecast, 2015–2019*, <https://www.idc.com/getdoc.jsp?containerId=258710>.

<sup>2</sup> IDG, "Consumerization of IT in the Enterprise 2013," <http://www.idgenterprise.com/resource/research/consumerization-of-it-in-the-enterprise-2013/>.

Whether deploying pre-packaged or custom applications, organizations need to ensure business performance goals are met and user experience is maintained regardless of when, where, or how applications are accessed. At the same time, the ability to easily scale applications freely for performance and availability, while simultaneously enforcing security and access rights wherever applications are deployed, organizations require a solution that is highly programmable and customizable.

## The Pulse Secure vADC Solution

Pulse Secure Virtual Application Delivery Controller (vADC) solutions help build more reliable applications with a scalable and secure toolset that is easy to use and customize, enabling organizations to perform more efficiently, save costs, and drive faster growth. Automated application delivery and centralized management speed and simplify service deployment, while application-level security provides business protection. As the first application delivery controller designed specifically for any virtual or cloud environment, the Pulse Secure vADC improves data center efficiency with smart load balancing and traffic management to deliver a faster, more secure, and more reliable user experience.

## Seamless High Availability and Scalability

Pulse Secure server monitoring and superior clustering can be configured across network boundaries to help meet highest levels of service availability. If an application server fails at one site, the Pulse Secure vADC can transfer control quickly to other servers to ensure continuous availability. The Pulse Secure vADC can cluster across networks and clouds, eliminating the need to rely on simple active standby configurations and creating a wide area application delivery cluster with a single view of business policies across multiple instances.

When massive scalability is needed, intelligent algorithms automatically manage traffic changes and automatically distribute loads across a pool of servers to match traffic spikes. Pulse Secure vADC ensures that platforms are performing at optimal levels with unmatched ability to scale up and scale out at all times.

## Rapid Service Creation

The Pulse Secure vADC enables enterprise applications to deploy up to ten times faster by automating service creation with RESTful control APIs. Designed with application developers in mind, TrafficScript is a powerful scripting technology for programmable services. TrafficScript makes it far more efficient and easier to use than traditional network or event-based solutions, and provides fine-grained control over traffic management while supporting the personalization of the user experience.

The Pulse Secure Services Director enables flexible deployment and provisioning of license capacity to Pulse Secure vADC instances, and fine-grained usage metering (for example, billing and chargeback) for cost-effective management of Application Delivery Controller (ADC) deployments. The usage-based business model eliminates the need to predict future usage while allowing expansion when capacity is needed to meet user demands. To minimize the complexity of large scale deployments, Pulse Secure Services Director can help to automate the deployment, licensing, and management of ADC services from a shared pool, which allows the effective management of resources and costs, and ADC-as-a-Service models for customers and applications.

## Secure Applications

The Pulse Secure Virtual Web Application Firewall (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, and can help achieve compliance with PCI-DSS requirements by filtering outgoing data. The Pulse Secure vWAF brings defense in depth to applications with real-time policy enforcement, including transparent secure session management and form field virtualization, in a scalable Web Application Firewall (WAF) solution.

## Summary

Pulse Secure Virtual Application Delivery Controller (vADC) solutions provide a scalable and secure toolset that helps enterprises build more reliable applications. Designed specifically for virtual or cloud environments, the Pulse Secure vADC is the first application delivery controller to improve data efficiency for a faster, more secure, and more reliable users experience regardless of when, where, or how applications are accessed.

## Learn More

Pulse Secure partners with companies of all sizes to deliver innovative solutions that help organizations maximize the value of their most critical information. To learn more, visit [www.pulsesecure.net](http://www.pulsesecure.net).

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