Pulse Secure®

Hybrid Cloud Deployment with Pulse Secure vADC

HIGHLIGHTS

- Reduce costs by moving more applications to the cloud
- Move content and applications closer to new markets and customers
- Auto-scaling capabilities for changing workloads
- Service Level monitoring capabilities for defining thresholds/triggers
- Global load balancing and traffic routing between datacenter and cloud
- Retain control over digital assets with an integrated content delivery strategy

SOLUTION

- Pulse Secure Virtual Traffic Manager

The Advantage of Cloud Applications

All enterprises, large and small, are looking for new ways to take advantage of the agility and efficiency of the cloud. Traditionally, data centers were built with costly, closed proprietary systems that made the provisioning of network resources an unnecessarily complex and labor intensive task. In addition, these systems constricted innovation, tying an organization's ability to address changing requirements to their vendor's timelines and priorities.

Virtualization technologies, which decouple capabilities from the hardware/platform needed to deliver them, enable organizations to detangle themselves from vendors to achieve a more fluid IT resourcing model that offers greater agility and efficiency. By adopting virtualization in their data centers enterprises are able to dynamically move resources where they are needed to maximize overall utilization. They are also able to support automation and new self-service models to better handle rapidly changing requirements.

Virtualization has freed enterprises to not only move resources around their own data centers, but also into more cost-effective private and even public cloud locations. However, as enterprises decide how and where to deploy applications, there are performance and security considerations that can impact their choices. Different applications have

different needs, in terms of availability, performance and security, which can dictate whether an enterprise can deploy resources on-premises or in a cloud environment.

Enterprises need a solution that will give them the flexibility to choose any combination of deployment options to support the varied, ever-evolving needs of their business and applications. This would enable enterprises to build applications that are agile enough to take advantage of resources across domains, to maximize the benefits they can derive from a hybrid cloud environment.

The Pulse Secure Solution

The Pulse Secure virtual application delivery controller (vADC), with Pulse Secure Virtual Traffic Manager, enables enterprises to securely and cost-effectively deploy applications across multiple domains, in hybrid cloud environments. Pulse Secure's flexible

With Pulse Secure, the New IP is:

- **Open with a purpose:** Accelerates
the rate of business innovation by
reducing vendor lock-in to enable
choice that increases flexibility while
reducing cost and complexity.

- **Innovation-centric and software-
enabled:** Gives you programmatic
control over complex tasks, tight
integration with business support
systems and high-value end user
applications, and the freedom to
develop strategic techniques for
accelerating business growth.

- **Ecosystem-driven:** Taps into the
vast pool of resources that you need
to keep pace with innovation, to let
you build the network and add the
services you want, and move faster
and more efficiently than
your competitors.

- **Your-pace-your-way migration:** Lets
you evolve based on your business
priorities, so you take evolutionary
steps, and achieve revolutionary
results as you modernize your
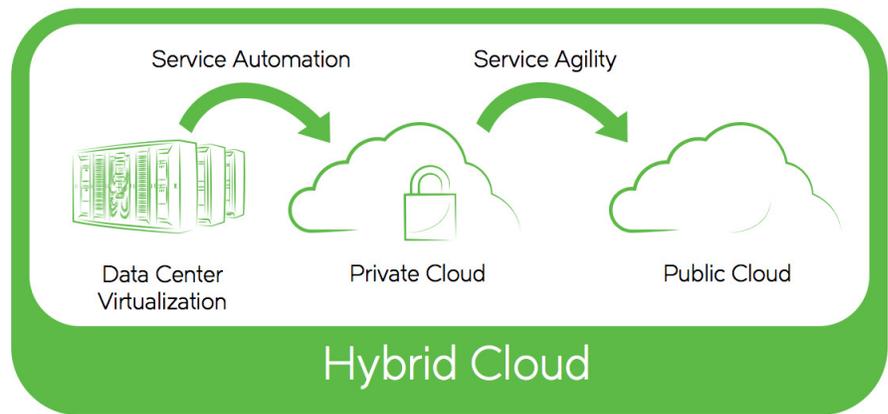infrastructure, your IT organization,
and your business.

Figure 1: Hybrid Cloud Deployment with the Pulse Secure Virtual Traffic Manager.

cloud packaging and auto-scaling
capabilities enable enterprises to
select the best cloud platform for each
part of their applications. With Pulse
Secure, enterprises have the visibility
and control they need to improve
the cost-effectiveness of their hybrid
cloud deployments, while maximizing
the security and performance of
their applications. With easy-to-use
graphical analysis of connections
and services, enterprises can quickly
identify pain points and bottlenecks in
applications to optimize availability
and performance.

Cloud Bursting
Pulse Secure enables enterprises to
use cloud resources to extend their
applications to support spikes in
user workload. With Pulse Secure,
enterprises can leverage a shared
resource model to reassign resources
across core data center and cloud
environments, on-demand, to handle
increases in traffic, optimize resource
utilization and improve overall
performance. As a result, enterprises
can use the best technology to support
different parts of their business,
from critical enterprise relationship
management services and retail
transactions to viral marketing
campaigns. With Pulse Secure,
enterprises can monitor the service
level agreements (SLAs) of different
applications and use them to trigger

the addition of resources when more
capacity is needed; this reduces the
up-front costs needed to manage peak
traffic and makes it much easier to plan
for capacity and long-term growth.

Reach New Markets
Pulse Secure helps enterprises reach
customers, wherever they are in
the world. Enterprises can support
entry into new markets by projecting
applications to regional centers,
without having to build out dedicated
data center resources or use an
external data delivery network. With
Pulse Secure, customers are assured to
receive the best available experience,
due to Pulse Secure's dynamic content
caching and intelligent routing
capabilities. By caching content in
regional points of presence, enterprises
can reach new markets quickly, while
retaining control over their digital
assets. Geo tagging of users and
content enables enterprises to track
usage in new areas and quickly build a
presence to effectively meet demands
in the region.

Control Content Distribution
Pulse Secure gives enterprises control
over the networks they use for content
distribution, helping them manage
the costs of content distribution
network (CDN) partners and improve
their overall customers' experience.
With Pulse Secure, enterprises can

retain control of their digital media and choose when and where to use CDN partners to ensure an optimal experience. In addition, enterprises can deploy dynamic nodes at key customer locations that cache content locally, using cloud resources; these nodes can be clustered and managed as a single shared service, with central control of security and access policies, to ensure the enterprise can meet the needs of both users and the business.

Learn More

Pulse Secure simplifies rapid service deployment and automated application delivery. To find out more about Pulse Secure Application Delivery solutions, or to arrange a demonstration or product evaluation, please visit www.pulsesecure.net/vadc.

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