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Windows on AWS Case Study



A health care provider’s nationwide expansion and compliance adherence issues are addressed by adopting scalable cloud solutions supporting business growth and ensuring infrastructure security.

Customer: ATI Physical Therapy

ATI serves more than 400,000 patients annually, employing greater than 6,000 staff in over 600 Physical Therapy Clinics nationwide. As a health care provider regulatory compliance, infrastructure and data security are major concerns. ATIPT’s record growth and acquisition requires reliable, secure scalability of their infrastructure. The overall goal of this project is to establish a redundant, scalable, and secure cloud solution. ATIPT’s executive team elected to migrate current on-premise infrastructures for all national offices to AWS including a small Azure build to maintain business continuity and future growth.



THE CHALLENGE

Security – 20+ site to site connections existed to access ATIPT’s internal RDS farms. Lack of standard healthcare security configurations existed for a majority of the site to site connections.

Connections – MPLS pricing for connectivity to their 600+ clinics seemed excessive when compared to standard business internet connections

THE SOLUTION

Landing Zones were deployed to segregate accounts following AWS security best practices. Aviatrix was leveraged to provide a hub and spoke topology in a layered security model that segregated traffic and enabled greater visibility to their network.

Palo Alto firewalls were recommended for site to site (S2S) concentrators to the clinics. Industry leading Palo Alto firewalls satisfied ATIPT’s VPN requirements and added desired security filtering with IPS/IDS services within their budget.



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THE CHALLENGE

Scalability – A high growth rate within the organization impacted productivity and functionality for ATIPT’s internal customers and end users’ experience. Provisioning new clinics & employees was not standardized throughout the environment.

Virtual Desktop Environment – ATIPT’s 6,000+ user base exceeds the recommend user size for Microsoft’s RDS, resulting in higher support ticket requests. These incidents included Desktop presentation outages and failure of productivity tools which ultimately created an overall poor internal customer experience.

THE SOLUTION

To leverage ATIPT’s current operational infrastructure processes and incorporate automation, ATIPT will utilize AWS Octopus Deploy in conjunction with AWS CloudFormation to expand resources quickly using standardized and secure processes.

AWS Workspaces scales to meet ATIPT’s current VDI requirements and will accommodate ATIPT’s future business growth for the next two years. AWS Workspaces does not have the user limitations inherent in Microsoft’s RDS solution. AWS Workspaces will support ATIPT’s nationwide expansion and improve the internal customer experience.

THE BENEFITS

Network

Aviatrix is easy to implement and expand to global enterprise scale while providing quick, highly secure deployments

Security

By segregating traffic into isolated VPCs, development environments and expansion traffic flows can be controlled in multiple layers of security

User Experience

Workspaces isolates users ensuring efficient resource allocation and eliminating over utilization of system resources



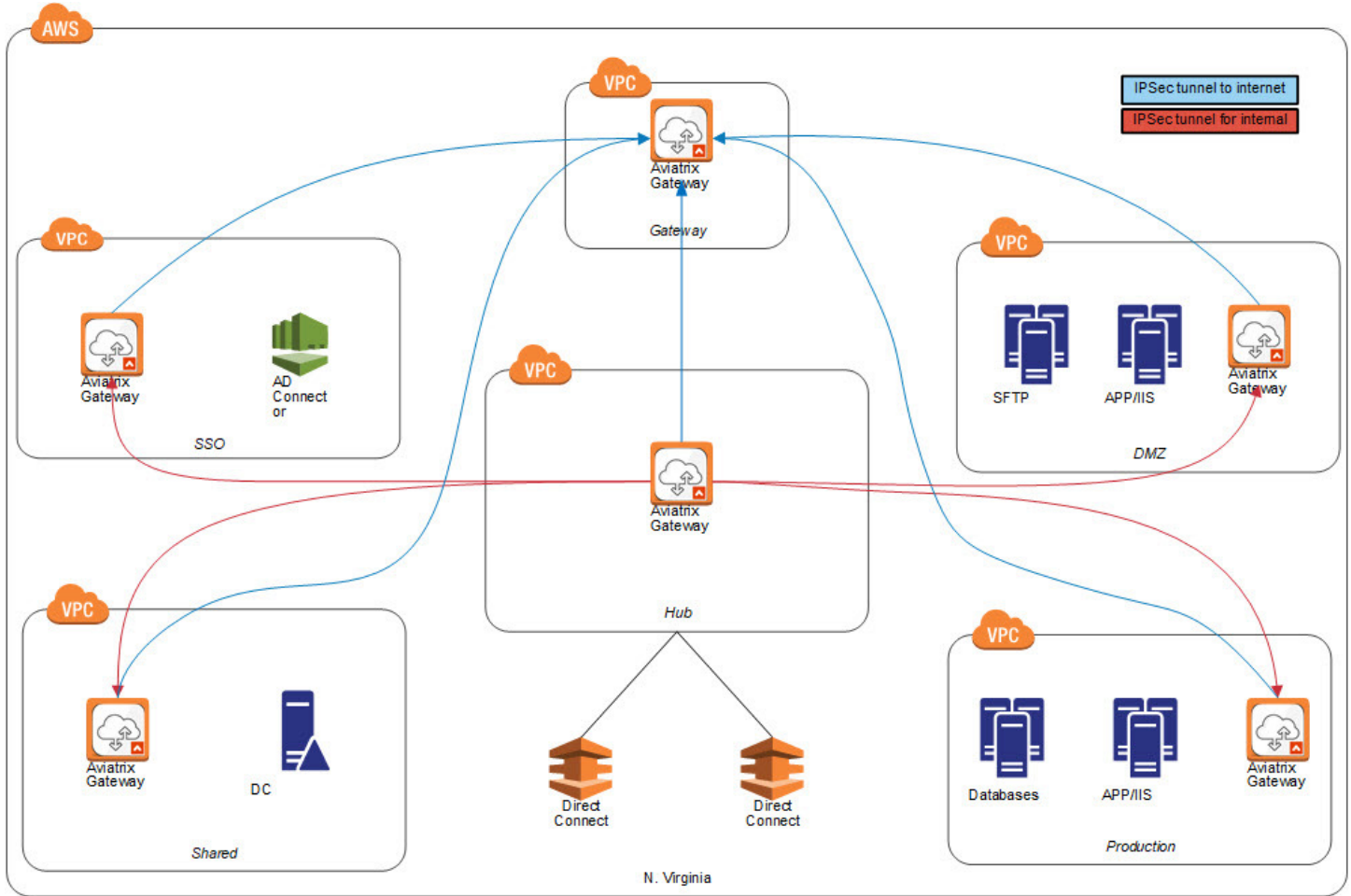
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ABOUT THREADFIN

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