

About VPNE

Since 1990, VPNE has been the parking and transportation business partner to premier health-care institutions, retail and mixed use property owners, developers and managers, class A offices, hotels and hospitality companies. VPNE offers garage and parking lot management for hundreds of locations, shuttle service, valet parking, and consulting services. Their clients rely on VPNE to help build revenue, enhance their brand, and realize strong ROI in their parking and transportation assets.

The Challenge

VPNE was struggling with an aging on-premise IT infrastructure which was failing to meet their dynamic needs as an employer of a nationwide workforce. The servers were running out of storage capacity, they were slow, and when they went offline, the entire company came to a screeching halt. Their entire infrastructure ran on Microsoft Windows, so VPNE had specific concerns about maintain licensing compliance, and optimizing their Windows servers for performance.

“Our on-premise infrastructure was aging, and we suffered from occasional power and internet outages at our headquarters location. These outages not only affected our main office operations, but also the hundreds of remote garage locations that depended on the infrastructure to process credit cards and access company data.” says Tao Wetzell, Director of PCI Compliance and IT Infrastructure. “We also had several limitations with the on-premise infrastructure, mainly around capacity and resource constraints. Without overprovisioning our infrastructure, it was not possible to test disaster recovery plan.”

The Solution

Privo worked with VPNE to migrate their Windows servers to Amazon Web Services (AWS). By migrating to AWS, VPNE immediately benefited from a vast improvement in the availability of their server infrastructure. Privo designed a

Virtual Private Cloud (VPC) that spanned multiple Availability Zones (AZ), and designed and tested a disaster recovery plan that exceeded the recovery objectives of the business. The new infrastructure leverages Windows on Elastic Computer Cloud (EC2) instances to host their back office applications including Microsoft Dynamics, VPN Gateway to provide connectivity to their remote offices, and Elastic Block Storage (EBS) for high performance, expandable storage, Microsoft SQL Server Relational Database Service (RDS) to host their database applications, and more. Privo extended their Active Directory to new, redundant domain controllers in AWS. Remote employees connect to the server infrastructure using Microsoft Remote Desktop Service (RDS) running on Windows Server 2016, leveraging the Amazon Machine Image (AMI) to optimize performance and accelerate the migration. VPNE used the licensed-included EC2 instances, with Windows pre-installed, to simplify their software compliance.

With AWS and Windows on EC2, The new infrastructure can be expanded in a matter of minutes to allow them to test new applications, a process which previously required weeks of planning and big capital investments. Furthermore, Privo was able to vastly improve the security of their infrastructure to help VPNE meet their PCI compliance requirements. The new infrastructure is physically protected in secure data centers operated by AWS, and Privo uses Config, CloudTrail, CloudWatch, Inspector, and other tools to monitor the security of the infrastructure 24x7. The entire project saved a significant amount of money because VPNE was not forced to overprovision their infrastructure as they would have had to with traditional on-premise infrastructure.

“The support from Privo’s AWS team has really enabled VPNE to focus on our core business without having to worry about the security and availability of our IT infrastructure.” says Tao Wetzell. “It’s been a great partnership and a huge relief!”

About Privo

Privo is an AWS consulting firm located just north of Boston. We liberate businesses from the ball and chain of traditional IT infrastructure, leveraging the transformational power of the AWS platforms to help them innovate faster. We architect, migrate, manage, monitor, secure, and optimize your AWS infrastructure.

For more information about how Privo can help your company run on the AWS Cloud, see Privo’s listing in the [AWS Partner Directory](#) or [visit our website](#).

