



# Seamless, secure, and scalable infrastructure movement to the cloud for a top US-based auto glass supplier

New server provisioning and lift-and-shift operations for migration





## Challenges

- Severe data center disconnection- the threat of data loss or system downtime
- Lack of reliable and secure network infrastructure for smooth, uninterrupted cloud access
- Too much dependency on legacy hardware and OS
- Complex and expensive licenses (O365, the Windows OS, SQL, etc.)

## Solutions

- New server provisioning - Microsoft Azure (cloud platform)
- Lift-and-shift operations for migration
- Setting up Azure client VPN and Azure VDI HTTP to provide user access
- Terraform-based IaC (Infrastructure as Code) to provision all the servers
- Site recovery and backup solution
- DR region and site recovery for data replication from the primary region

## About The Customer

PGW Auto Glass is the leading supplier of auto glass and shop accessories, with more than 120 distribution branches throughout the United States and Canada. The client's distribution network provides small orders, same-day, and overnight auto glass deliveries to more than 27,000 customers.

## The Need

In a nutshell, PGW wanted to move their infrastructure to the cloud – but was facing huge difficulties. One of the immediate needs was disconnecting all servers, apps, and databases as the client could not host their systems in the existing data centers of its merger company. Secondly, all servers and apps must be hosted in a cloud environment, which could trigger data security/compliance issues.

There was also a need to establish connectivity between the existing data center and the cloud as the client did not have a reliable network infra to bridge them. Other crucial requirements were to remove legacy hardware and OS dependency since the users accessed their applications through Citrix and avoid spending multifold on complex and expensive licenses, including those for O365, the Windows OS, SQL, etc.





## Results

- Significant cost savings of approx. \$48000
- Vulnerabilities immediately fixed offline by using the Drain Mode feature
- Zero downtime with server support
- Knowledge base for the support process
- End-to-end backup and disaster recovery solution
- Continuous support and services

## Aspire's Solution

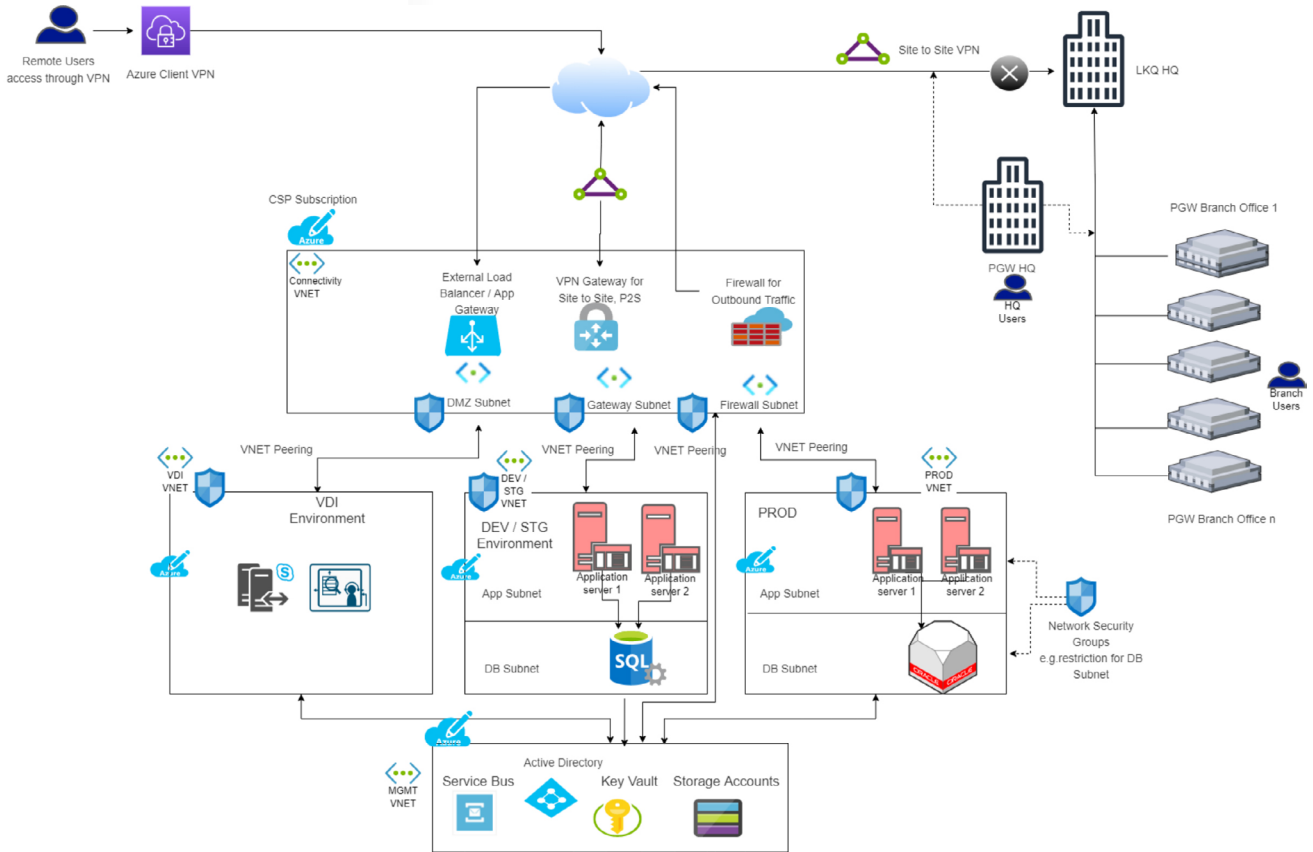
Aspire Systems deployed a development team to collaborate with the PGW's contractors and work closely on this project. Hence, whenever an issue arose, the team could research, document, and find the best solution. It led to the issues getting sorted quickly, thereby giving PGW the advantage of reduced turnaround time. Aspire had also recommended Microsoft Azure as the cloud platform option, given that most servers and apps ran on the Windows OS. Along with this new server provisioning, Aspire suggested the lift-and-shift operations for migration. Some of the solution highlights were:

- » Azure client VPN and Azure VDI HTTP are set up on Citrix to provide user access to the external Azure servers.
- » Terraform-based IaC (Infrastructure as Code) to provision all the servers (spin-out the server in the cloud for DEV and PROD production).
- » Site recovery and backup solution for backing up on-premises applications/data and using ftp blob service to upload to an Azure service.
- » DR region and site recovery for data replication from the primary region (frequency configured on RTO and RPO requirements).



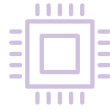


# Snapshot of Solution





## Technology Highlights



- » Azure Compute Services
- » Azure Storage Services
- » Azure Networking
- » Azure Defender
- » Azure Monitor
- » Azure Log Analytics
- » Workspace
- » Azure Disaster Recovery
- » Azure Update Management
- » Azure Automation
- » Azure Virtual Desktop
- » Windows and Linux



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For more info contact: [info@aspiresys.com](mailto:info@aspiresys.com) or visit [www.aspiresys.com](http://www.aspiresys.com)

### USA

+ 1 630 368 0970

### SINGAPORE

+65 3163 3050

### INDIA

+91 44 6740 4000

### BELGIUM

+ 32 3 204 1942

### NETHERLANDS

+ 31 (0)30 800 92 16

### POLAND

+48 58 732 77 71

### MEXICO

+52 222 980 0115