



# EVT Develops Design Engineering Portal Landing Zone with AWS Control Tower for Auto Industry Leader

## EVT BUILT A SECURE AND COMPLIANT LANDING ZONE

### BACKGROUND

An enterprise leader in the automobile manufacturing industry needed to run specialized virtual desktops used by its R&D and Design Engineering teams in the cloud. Each workstation used customized versions of CA, CATIA, CAE and other applications for research, development and manufacturing processes. A landing zone was required to provide the foundational infrastructure, security and automation for the Design Engineering Portal to utilize scalability, flexibility and cost saving benefits of the cloud.

### CHALLENGE

An EVT enterprise customer, the company was adopting a centralized High Performance Computing (HPC) and Virtual Desktop Infrastructure (VDI) portal for its engineers to leverage and spin up virtual workstations with desired applications. As these workstations accessed highly confidential data, the company's primary concern was to ensure the security and compliance of the environment. The company wanted to implement a secure landing zone that would provide a foundation for the cloud infrastructure to host the Design Engineering Portal environment and meet security requirements.

### SOLUTION

EVT developed a secure landing zone using AWS Control Tower, Terraform, and a custom designed Virtual Private cloud (VPC) along with key AWS services that provide configuration, monitoring, and audit logging capabilities.

### RESULTS

The implementation of the secure landing zone resulted in multiple benefits for the company. The automation of the account and infrastructure provisioning, configuration, and management reduced the time and effort required to manage the landing zone and Design Engineering Portal. This increased the productivity of the automobile manufacturing processes and reduced the risk of errors and inconsistencies running VDI and HPC in the cloud.

### CONCLUSION

By using Terraform, Control Tower, and a custom designed VPC, the company was able to create a secure and compliant landing zone for its cloud environment. The custom VPC provided a protected and isolated environment for resources, while the use of Terraform and Control Tower ensured that the environment was managed and governed in accordance with industry best practices for security and compliance. The company moved its infrastructure to the cloud with confidence, knowing that the environment is secure and compliant.



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FOUNDATION  
FOR CLOUD  
INFRASTRUCTURE



CONTACT

201 WILSHIRE BLVD #A-9  
SANTA MONICA, CA  
90401

866.680.5300

INFO@EVTCORP.COM

WWW.EVTCORP.COM