



nClouds | AWS Case Studies

AFG.Tech

nClouds and AWS Empower AFG.tech with Enhanced Security and Streamlined Cloud Infrastructure



Benefits Summary



Streamlined Cloud Operations, Reduced Costs, and Enhanced Security



Solution architecture built on proven SaaS best practices



Organized infrastructure management



Increased security with service control policies (SCPs)



Boosted reliability on customer experience

AFG.tech

About the Customer

AFG.tech, founded by automotive industry experts, provides SaaS technology consulting and custom software development for auto dealerships. Their flagship product, TRONIX, is a software platform tailored for the automotive retail industry. To optimize their cloud infrastructure and strengthen security, AFG.tech partnered with nClouds and leveraged the power of Amazon Web Services (AWS).

Industry

Automotive industry, SaaS, Software

Location

United States

Featured Services

Application / Infrastructure Modernization, AWS Well-Architected, Containerization, Data & Analytics, DevOps / CI/CD, Managed Services, Migration, Security Management, Serverless

Service Page Links

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- [Migration and Modernization Services](#)
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Challenge

Need for support on cloud infrastructure and strengthened security.

AFG.tech was facing several technology challenges, including needing help managing IAM permission sets for developers across multiple AWS accounts and running applications on AWS Elastic Beanstalk. They were also faced with a lack of monitoring and logging, the need to strengthen their security measures, and a desire to find a low-cost solution.



Why AWS and nClouds

AFG.tech chose nClouds due to their expertise with the AWS Migration Acceleration Program (MAP), which helped reduce costs. By partnering with nClouds, AFG.tech was able to leverage nClouds' knowledge in cloud migration and AWS infrastructure to accelerate their migration and optimize their cloud environment.

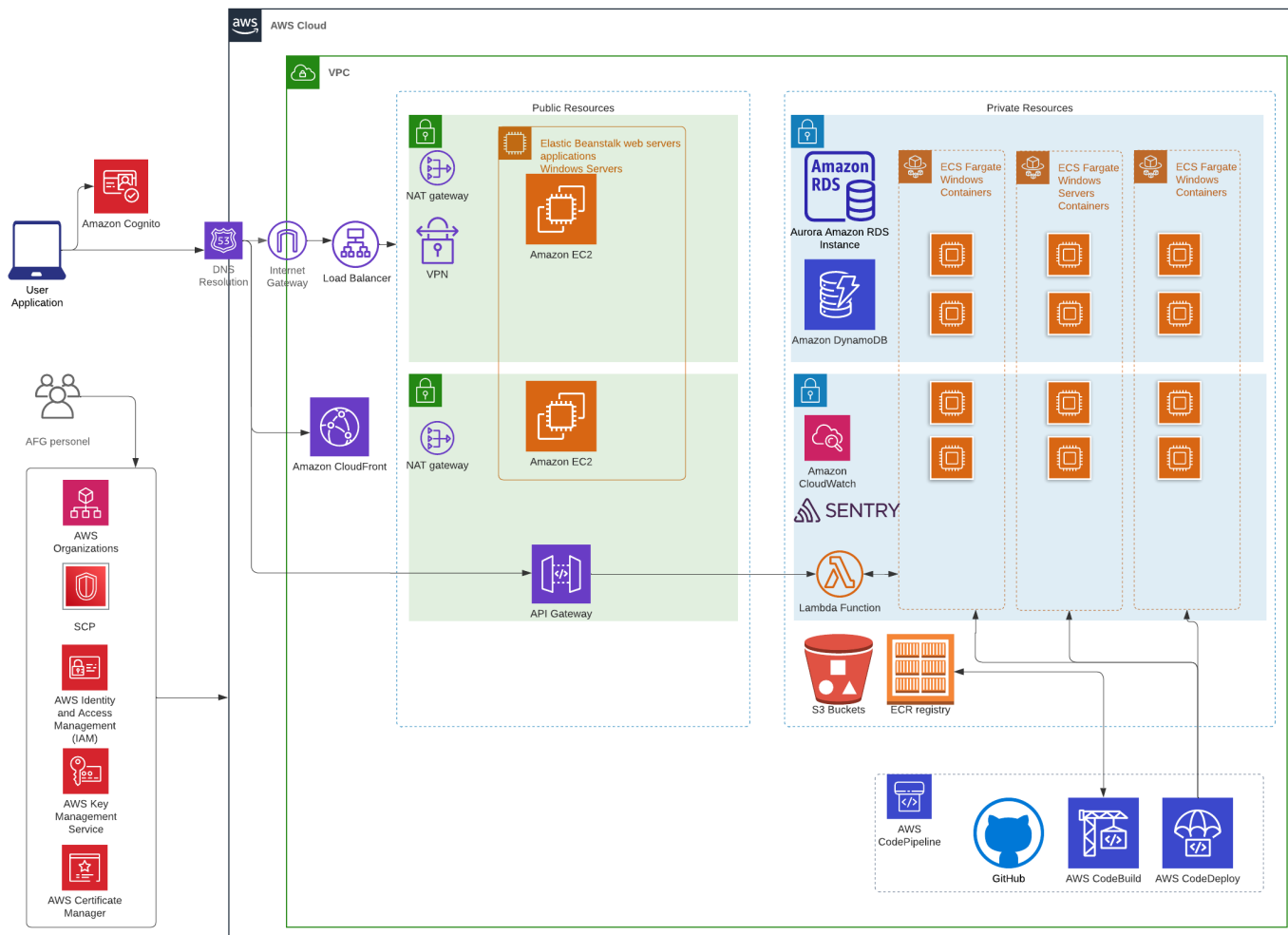
As an AWS certified APN Premier Tier Services Partner with AWS SaaS Competency, nClouds has a proven record of delivering comprehensive and successful SaaS design

solutions for organizations across a range of industries, from startups to large enterprises.

Furthermore, nClouds' experience in implementing AWS security and compliance best practices enabled AFG.tech to strengthen its security posture and meet regulatory requirements.

The combination of AWS and nClouds' expertise provided AFG.tech with a comprehensive solution to address their challenges.





nClouds' Solution Architecture for AFG.tech

To address AFG.tech's technical and business challenges, nClouds utilized AWS and third-party services to provide a comprehensive solution:

- Implementation of service control policies to enhance security and ensure compliance with industry standards and regulations, helping AFG.tech to meet regulatory requirements and strengthen its security posture.
- Implementation of a continuous integration and continuous deployment (CI/CD) pipeline using AWS CodePipeline to automate the deployment process and reduce deployment time. Deployment

notifications were also put in place to ensure transparency and communication.

- A solution architecture built on proven SaaS best practices, deploying applications to Amazon Elastic Container Service (ECS) and AWS Fargate.
- Implementation of monitoring and logging using AWS CloudWatch to enable proactive issue tracking and troubleshooting. CloudWatch also allowed AFG.tech to identify trends and patterns for data-driven decision-making.
- Implementation of tagging policies to help AFG.tech organize, identify, and manage improvements, leading to better management and optimization of their AWS environment and cost savings.

Results and Benefits

Teaming with AFG.tech, nClouds was able to bring several key benefits through AWS that increased business efficiency and solved challenges:



Improved Fault Tolerance and High Availability:

nClouds' solution enhanced AFG.tech's fault tolerance and high availability, resulting in a more reliable customer experience.



Streamlined Cloud Operations, Reduced Costs, and Enhanced Security:

AFG.tech streamlined its cloud operations, reduced costs, and improved its security by partnering with nClouds.



SaaS Application Architecture:

Leveraging a modern architecture with a container orchestration service makes it easy for AFG.tech to deploy, manage, and scale containerized applications, in addition to a serverless, pay-as-you go compute engine that lets AFG.tech focus on building applications without managing servers.



Organized Infrastructure Management:

nClouds' solution enabled AFG.tech to better manage and optimize its AWS environment with organized infrastructure management. This allowed for more structured identification of resources and services.



Increased Security with Service Control Policies (SCPs):

The implementation of service control policies (SCPs) strengthened AFG.tech's security posture by ensuring adherence to industry standards, compliance regulations, and company-specific policies.



Boosted Customer Experience Reliability:

nClouds' solution ensured AFG.tech's services were consistently available and able to handle increased traffic and usage, leading to a more reliable and seamless customer experience.



ABOUT
nClouds

nClouds is a certified, award-winning provider of AWS and DevOps consulting and implementation services. We partner with our customers as extensions of their teams to build and manage modern infrastructure solutions that deliver innovation faster. We leap beyond the status quo.