



# Elevating Risk Management with AWS and DevOps Innovations

## Executive Summary

Third Party Trust, a renowned platform specializing in third-party risk management, recognized the need to enhance its cloud infrastructure to support its growing clientele and maintain its competitive edge. Collaborating with Binbash, Third Party Trust embarked on a comprehensive journey to modernize its infrastructure, aligning with AWS best practices and leveraging cutting-edge DevOps methodologies.

## Challenge

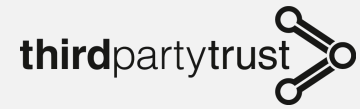
To maintain its reputation for excellence and security, Third Party Trust faced several challenges:

- Ensuring alignment with AWS "Well Architected Framework" specifications.
- Modernizing the development workflow.
- Achieving a distributed architecture across multiple AWS accounts.
- Implementing robust security measures and monitoring solutions.

## Solution

Binbash, leveraging its expertise in AWS and DevOps, proposed and executed a multi-faceted strategy:

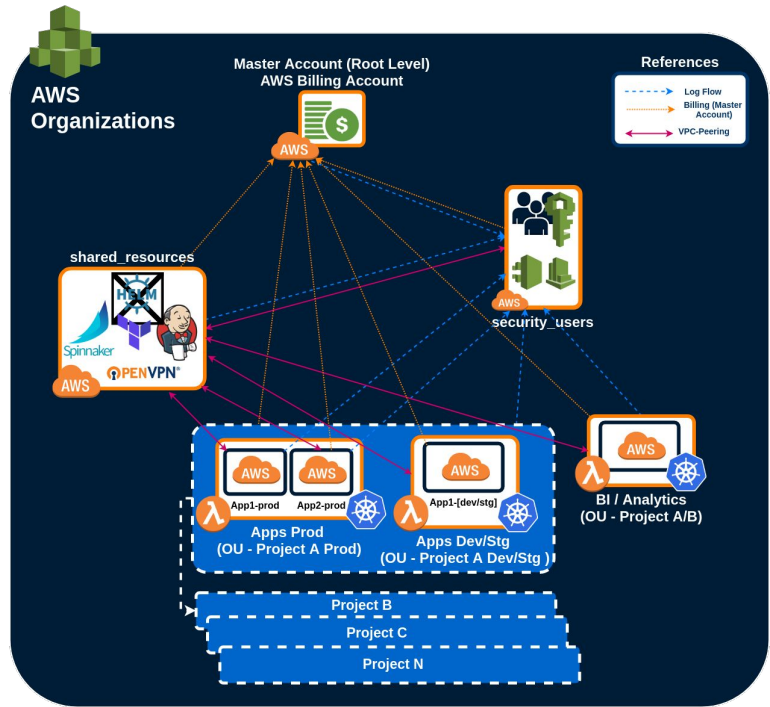
- Infrastructure Analysis: A thorough review of the existing infrastructure was conducted to identify deviations from AWS best practices.
- Development Workflow Enhancement: Binbash provided recommendations to optimize the development process, ensuring agility and efficiency.
- Infrastructure as Code (IaC): All cloud resources were defined using Terraform, ensuring reproducibility and modularity.
- Security Enhancements: A robust security layer was added, incorporating AWS services like WAF, Config, and Inspector.
- Kubernetes Deployment: Kubernetes Kops Clusters were deployed as the primary compute platform, providing a robust container orchestration solution.
- Monitoring Solutions: Prometheus and Grafana were integrated for metric-based monitoring, while Elasticsearch and Kibana were deployed for log-based monitoring and alerting.
- Distributed Architecture: Achieved through AWS Organizations and the creation of multiple AWS accounts, ensuring scalability and flexibility.



Third Party Trust is a leading platform that streamlines third-party risk management processes, enabling organizations to make informed decisions about their vendors. With a commitment to innovation and security, Third Party Trust has established itself as a trusted partner for businesses aiming to mitigate risks associated with third-party vendors.



## Cloud Solutions Tech Stack



## Results

Third Party Trust now boasts a state-of-the-art cloud infrastructure that aligns with AWS best practices. The enhanced development workflow, combined with robust security measures and monitoring solutions, ensures that Third Party Trust can deliver unparalleled value to its users while maintaining the highest standards of security and performance.

## Key Milestones

- Comprehensive roadmap and cloud solution definitions.
- Expert consultancy on infrastructure and cloud architecture.
- Deployment of AWS Organization and DevOps roles.
- Creation of VPC resources and VPN management.
- Deployment of base clusters and integration of essential applications and services.
- Migration of Database & FrontEnd resources.
- Integration of Jenkins with Google Auth and deployment of an EFK Stack.