

Cloud Landing Zone with Control Tower
and Disaster Recovery on

AWS for a Leading Financial Institution



CASE STUDY



About Client

Prominent financial institution



Industry

Banking and Financial Services



Service

Cloud Infrastructure Optimization

Business **Need**

The financial institution realized the importance of updating its cloud infrastructure to remain competitive. The institution required:

- ▶ Enhanced Landing Zone configuration
- ▶ AWS Control Tower implementation
- ▶ Terraform-based infrastructure automation
- ▶ Disaster recovery in Hyderabad region
- ▶ Standardized resource modules
- ▶ Efficient multi-application management
- ▶ Improved operational efficiency and scalability

Business **Challenges**

As the bank embarked on its cloud transformation journey, it faced several challenges common to large financial institutions. These included:

- ▶ Lack of automation in the current Landing Zone
- ▶ Absence of standardized multi-account management
- ▶ No robust disaster recovery solution
- ▶ Need for Policy as Code implementation
- ▶ Complex application deployment across environments
- ▶ Ensuring compliance across accounts and regions
- ▶ Balancing centralized control with team flexibility
- ▶ Managing transition without operational disruption

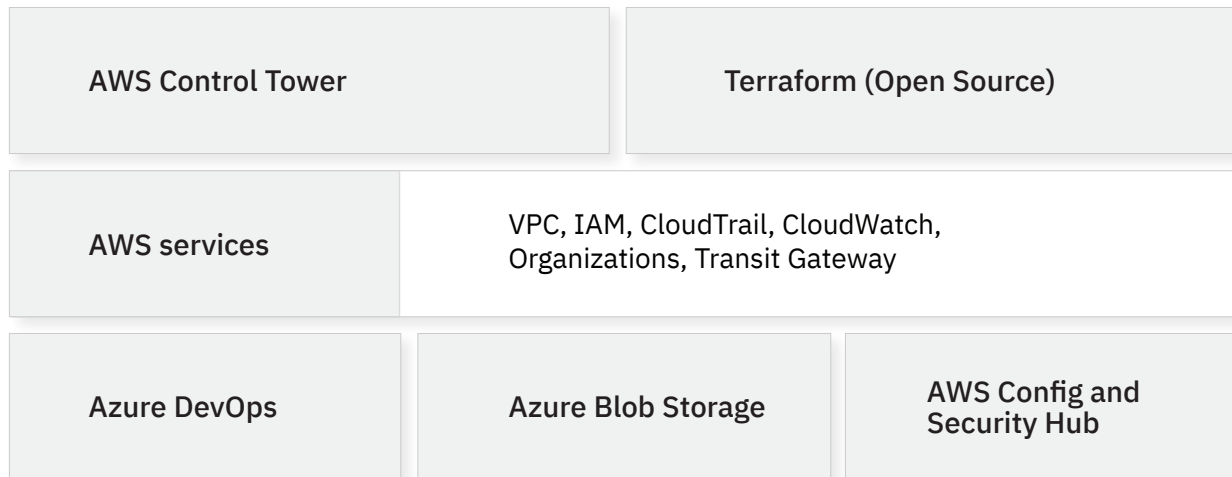
Business **Solution**

A custom solution was developed using AWS Control Tower and Terraform automation, including:

- ▶ Implemented AWS Control Tower for multi-account governance
- ▶ Developed Terraform modules for Landing Zone resources
- ▶ Created a structured AWS Organization with separate OUs
- ▶ Replicated architecture in Hyderabad for disaster recovery
- ▶ Implemented granular policies and guardrails
- ▶ Established separate accounts for production applications
- ▶ Set up centralized logging and monitoring
- ▶ Integrated with Azure DevOps for CI/CD
- ▶ Utilized Azure Blob Storage for Terraform state management

Tech Stack

Implementing this ambitious project required an innovative technology stack. By combining robust AWS services with industry-leading DevOps tools, the solution provided a strong foundation for the bank's cloud infrastructure. The stack includes:



Project Differentiator

What set this project apart was the innovative approach to cloud infrastructure management. Combining AWS Control Tower's managed services with custom Terraform automation offered unparalleled flexibility and control in a multi-region setup.

- Hybrid approach combining Control Tower with custom Terraform automation
- Comprehensive multi-region setup
- Infrastructure-as-Code principles
- Phased implementation approach
- Cross-platform DevOps capabilities
- Custom-designed organizational structure
- Multi-layered security and compliance controls

Business **Impact**

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