DELTA DENTAL

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aws
Navigating Secure AWS Infrastructure and End-User Excellence

Client:

The client is a network of dental insurance companies based in the United States, consisting of 39 independent members operating across all 50 states. These member companies collectively offer coverage to 80 million individuals, who are enrolled in more than 154,000 groups.

Enabling Technologies

AWS Landing Zone	AWS Control Tower	AWS Config
Amazon CloudWatch	AWS Security Hub	AWS GuardDuty
AWS Systems Manager	AWS Workspace	AWS AD (Active Directory)

Business /Objectives

Client aims to streamline the deployment of their Insurance Application in an AWS environment, with a specific focus on establishing a secure and scalable AWS Landing Zone. The challenge involves efficient management, monitoring, and security considerations tailored to the nuances of the application deployment. Additionally, Client is seeking to leverage AWS Workspace for its contractors and remote employees, introducing a requirement for a seamless end-user desktop solution.

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Solutions Delivered

Bourntec proposes a comprehensive solution that includes the setup of an AWS Landing Zone specifically designed for the Insurance application. This involves utilizing AWS services such as AWS Landing Zone for a secure, multi-account environment with compliance for sensitive data and regulated workloads. AWS Control Tower streamlines the setup and governance of the multi-account environment, while AWS Config monitors and manages AWS resource configurations. Amazon CloudWatch provides monitoring and observability of AWS resources, and AWS Security Hub centralizes security and compliance management. AWS GuardDuty is employed for threat detection and continuous security monitoring, and AWS Systems Manager delivers operational insights and actions on AWS resources. To meet the end-user desktop needs, AWS Workspace is introduced, complemented by AWS AD for identity management.

Results

The implemented solution resulted in a streamlined deployment process for Client's Insurance Application within a secure and scalable AWS environment. The establishment of an AWS Landing Zone, coupled with the utilization of AWS services such as AWS Control Tower, AWS Config, Amazon CloudWatch, AWS Security Hub, AWS Guard Duty, AWS Systems Manager, AWS Workspace, and AWS AD, addressed the specific challenges posed by the application's deployment nuances. The end-user desktop solution through AWS Workspace facilitated a seamless experience for contractors and remote employees. The continuous monitoring and management tools ensured operational efficiency, security, and compliance across the AWS environment. Client achieved its objectives of a secure, scalable, and well-governed AWS infrastructure tailored to the needs of its Insurance Application deployment.