CloudiQS - AWS Management & Governance

At CloudiQS, we have extensive experience helping customers navigate the complexities of AWS compute services. Our expertise allows us to address various challenges and deliver tailored solutions across key areas.

AWS Well-Architected Tool:

Customer Challenge – The customer's infrastructure required alignment with AWS best practices, resulting in performance and reliability issues.

CloudiQS Solution – Using the AWS Well-Architected Tool, we conducted an architecture review, identifying areas for improvement in performance, security, and cost optimization. This helped the client align with best practices and improve their cloud environment's overall health.

AWS Control Tower:

Customer Challenge – Managing multiple AWS accounts without governance mechanisms led to inconsistent policies, security misconfigurations, and higher operational overhead.

CloudiQS Solution – We implemented AWS Control Tower to automate account provisioning and enforce guardrails for multi-account governance, simplifying management and improving security across the client's entire AWS organization.

AWS Organizations:

Customer Challenge – The customer needed centralized billing and governance over multiple AWS accounts but faced difficulty managing them individually.

CloudiQS Solution – We set up AWS Organizations, consolidating accounts under one management umbrella, streamlining governance and optimizing costs. This provided the client with centralized control over policies and security for each business unit.

AWS Management Console:

Customer Challenge – Navigating AWS services became complex for teams unfamiliar with cloud-native environments, leading to misconfigurations.

CloudiQS Solution – We trained the client's team on the AWS Management Console, simplifying resource management and guiding them through best practices for deploying and configuring services effectively and Introducing AWS Organizations to SSO

AWS Trusted Advisor:

Customer Challenge – The client was unaware of potential security vulnerabilities and cost inefficiencies within their AWS environment.

CloudiQS Solution – We enabled AWS Trusted Advisor to provide continuous monitoring and recommendations, helping the client identify security gaps, optimize costs, and improve performance based on best practices.

AWS Service Catalog:

Customer Challenge – Standardizing the deployment of services and resources across departments was difficult, leading to inconsistencies in configurations.

CloudiQS Solution – We used the AWS Service Catalog to create and manage standardized catalogues of services, ensuring consistent and compliant deployments across the client's teams and reducing configuration drift.

AWS Systems Manager:

Customer Challenge – Managing and troubleshooting a distributed AWS environment with multiple resources was time-consuming and inefficient for some of our clients.

CloudiQS Solution – We leveraged AWS Systems Manager to centralize operational data, automate patch management, and improve resource visibility, simplifying the client's infrastructure management and enhancing operational efficiency.

Amazon CloudWatch:

Customer Challenge – Monitoring and troubleshooting application performance across multiple services became complex and required more visibility into logs and metrics.

CloudiQS Solution – We implemented Amazon CloudWatch to provide real-time monitoring and alerting, helping the client detect performance bottlenecks and security incidents faster. This reduced the mean time to resolution (MTTR) and improved the availability of critical application

AWS CloudTrail:

Customer Challenge – A customer faced difficulties tracking and auditing changes made to their AWS environment, which increased security risks.

CloudiQS Solution – By enabling AWS CloudTrail, we provided detailed logs of every API call, allowing the client to monitor and audit changes, enhancing their security posture and ensuring compliance with industry regulations.

AWS Config:

Customer Challenge – Maintaining compliance with security policies and regulatory standards became challenging due to frequent configuration changes in the cloud environment.

CloudiQS Solution – We deployed AWS Config to track configuration changes in real-time, automatically flagging non-compliant resources and enforcing security policies. This helped ensure continuous compliance and faster remediation of security risks.

AWS Systems Manager:

Customer Challenge – Managing and troubleshooting a distributed AWS environment with multiple resources was time-consuming and inefficient.

CloudiQS Solution – We leveraged AWS Systems Manager to centralize operational data, automate patch management, and improve resource visibility, simplifying the client's infrastructure management and enhancing operational efficiency.

AWS Resilience Hub:

Customer Challenge – Our client's application was highly vulnerable to failures and outages due to insufficient resilience planning.

CloudiQS Solution – By deploying AWS Resilience Hub, we assessed the application's architecture, identified failure points, and implemented strategies to improve resilience. This ensured business continuity and reduced downtime during unexpected disruptions.

AWS OpsWorks:

Customer Challenge – Configuring and managing applications using manual processes was error-prone and time-consuming.

CloudiQS Solution – We used AWS OpsWorks to automate server configuration, deployment, and scaling for the client's applications, reducing errors, and improving deployment speed.

AWS CloudFormation:

Customer Challenge – Manually configuring infrastructure across multiple environments led to inconsistencies and configuration drift.

CloudiQS Solution – Using AWS CloudFormation, we automated infrastructure deployment using templates, ensuring consistent environments across development, staging, and production. This drastically reduced deployment time and improved operational efficiency.