RISHABH SOFTWARE

Case Study

AWS Cost Optimization and Governance for an IT Services Company

To reduce AWS costs on a recurring basis through resource optimization, idle resource cleanup, and improved infrastructure governance



PROJECT OVERVIEW

An IT services company was spending more on AWS infrastructure than its workloads required. Some resources were oversized or remained idle, while provisioning and decommissioning lacked standardized processes. The client engaged Rishabh Software to address these issues through an audit-led AWS cloud cost optimization initiative.

Capability	Industry	Country
Cloud Consulting	IT Services	India

KEY FEATURES

The goal was to lower recurring costs, standardize the provisioning and retirement of resources, improve documentation and build governance for **AWS cloud cost management** to sustain the savings. To achieve these goals, we ran an audit-led optimization program across the client's AWS environment.

Utilization-Based Right-Sizing

Our engineers analyzed Amazon CloudWatch utilization metrics to identify oversized instances and determine where capacity could be optimized. We then downscaled each oversized instance to the capacity its workload actually used.

Dependency-Checked Cleanup

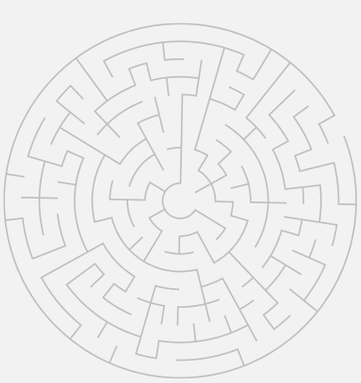
Before removing idle resources, our engineers checked their dependencies to identify any connected workloads or services that could be affected. This helped prevent unnecessary disruptions during resource cleanup.

Standardized Resource Lifecycle

We introduced standardized operating procedures for resource provisioning and decommissioning, along with resource-tagging policies. These practices established a more consistent approach to resource lifecycle management and improved infrastructure governance.

Updated Infrastructure Documentation

Our team documented the existing infrastructure and created new diagrams to improve visibility into the AWS environment. This made it easier for new team members to understand the infrastructure during onboarding.



CHALLENGES

- High recurring AWS infrastructure costs required a structured assessment and a clear optimization strategy.
- Some AWS resources were underutilized or oversized compared to actual workload requirements.
- Inconsistent provisioning and decommissioning practices made resource lifecycle management and ownership tracking difficult.
- Incomplete infrastructure diagrams and documentation limited visibility and slowed onboarding.

SOLUTION

To address these challenges, we drew on our AWS Select Tier Services Partner expertise and diagnosed before we changed anything. Three streams of work set the direction for every change.

Discovery and Stakeholder Alignment

Our team conducted an infrastructure audit and reviewed existing documentation to understand the deployed resources and their dependencies. This helped establish better visibility into the AWS environment before making optimization decisions.

Cost Diagnosis and Option Review

We used AWS Cost Explorer to analyze infrastructure spending and identify major cost contributors. We also identified Spot Instances and AWS Graviton as further options for **cost optimization in AWS** on suitable workloads. Our eBook, The CTO's Blueprint for AWS Cost Optimization, sets out the wider playbook behind this approach.

Account Activity Traceability

We used AWS CloudTrail to review recorded account activity and maintain visibility into changes made across the AWS environment, including when those changes occurred.

TECHNOLOGIES & TOOLS

Outcomes

11+

EC2 instances are rightsized

$1,500+

Worth of idle resources are removed

5 Accounts

Resources are validated across 5 AWS accounts under the organization

ABOUT RISHABH SOFTWARE

As a Digital Engineering and Enterprise Transformation leader, we empower businesses to scale, innovate, and thrive in today's digital-first world through technology rooted in trust and transparency. We leverage emerging capabilities such as Cloud, Data Engineering & Analytics, AI, Automation and Application Engineering to drive digital transformation and unlock new opportunities. We have successfully served across 25+ countries, and we work towards customer delight as "WE CARE."

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