Cloud Cost Optimization Accelerator^{SM}

Control sprawling cloud costs while enabling business growth.

STONE DOOR GROUP

ENGAGEMENT OVERVIEW

The purpose of this engagement is to perform a cost analysis of a public cloud implementation an provide a Cost Reduction Goal (CRG). Stone Door Group consultants conduct a thorough analysis of the customer's current public operational costs, cloud configuration, application workload, and the desired goal for cost savings. From there, the consultant creates a Cost Reduction Plan (CRP) that identifies areas of efficiencies gained, elimination of redundancy, and rightsizing of consumption that will drive operational costs lower while maintaining the required service levels and regulatory requirements. Upon completion of the engagement, the consultant reviews the CRP and describes how the implementation of the CRP will satisfy the CRG.

KEY BENEFITS

» Identify employees or groups that are over-provisioning infrastructure.

» Understand accurate cloud consumption requirements for applications today and future state.

» Identify the areas of waste through overprovisioning .

» Understand where to eliminate and reclaim redundant resources.

» Identify automated ways to manage and right size consumption.

The following section describes the specific phases of the public Cloud Cost Optimization Accelerator^{SM}. Each phase builds on the previous phase, increasing the capability of the overall solution.

Phase 1 > Discovery

The goal of the discovery phase is to evaluate the existing customer cloud infrastructure for the purpose of creating a cost analysis report.

TASKS

☐ Review cloud IAM users and roles
  - Determine system vs user accounts
  - Identify job roles needing cloud resources
  - Determine if IAM permissions match job role requirements

☐ Review current cloud consumption
  - Size and type of compute instances
  - Number of networks and types
  - Types of storage and size
  - Throughput and bandwidth usage
  - Additional 3rd party integrations or services

☐ Review Application Workloads
  - Number of and profile of application (I/O vs CPU, for example)
  - Application requirements for Dev, QA, and Prod environments
  - Current constraints or limitations to application performance

WHAT FEATURES ARE INCLUDED?

Review Identity and Access Management (IAM) controls for provisioning	Catalog and categorize application workloads	Right size applications to correct infrastructure offering	Assess infrastructure and application lifecycle requirements	Analyze cloud provider cost optimization tools and reports	Review consumption monitoring and reporting options

- Review Application Lifecycle
    - Requesting and provision new resources
    - Executing day 2 operations
    - Decommissioning resources and applications
    - Reclaiming and re-provisioning resources
- Review Cloud Cost Control Tools
    - Run cloud provider cost analysis tools
    - Evaluate consumption and usage reports
    - Use 3rd party cost analysis tools (where applicable)
- Review monitoring, alerting, and reporting policies
    - Monitoring on resource caps and limits
    - Proper alert trees for over consumption of resources
    - Accurate consumption reports for key stakeholders

OUTPUTS

- Cloud Consumption Discovery (CCD) Report: a 10 – 15 report that describes the current state of cloud consumption
- Review CCD report with key executive stakeholders

Phase 2 > Analysis

The goal of the analysis phase is to synthesize the CCD report into a Cost Reduction Plan (CRP).

BUSINESS OUTCOMES

- ✓ Align cloud consumption with strategic organizational goals.
- ✓ Build predictable and reliable cloud cost models
- ✓ Obtain full cloud consumption and cost organizational accountability

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TASKS

- Synthesize data to estimate the Cost Reduction Goal (CRG).
- Generate cost reduction recommendations for:
    - Identity and Access Management
    - Application Right Sizing
    - Application Lifecyle
    - Initial and Ongoing Resource Reclamation and Redeployment
   - Alerting and Reporting

OUTPUTS

- Cost Reduction Plan: a 10 – 15 page report that describes the prescriptive actions required on the cloud platform to meet the Cost Reduction Goal.
- Cost Reduction Plan Executive Deck: a 5 – 7 slide deck providing the executive highlights of the Cost Reduction Plan

Phase 3 > Presentation

The goal of the Presentation Phase is to review the Cost Reduction Plan with key executive stakeholders and discuss possible implementation of recommendations within the CRP to achieve the Cost Reduction Goal.
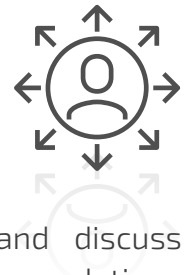
TASKS

- Conduct executive stakeholder review of Cost Reduction Plan
- Review implementation options to meet Cost Reduction Goal
- Answer questions and ideate with executive stakeholders on Cost Reduction Goals

OUTPUTS

- Meeting notes detailing executive stakeholder next step