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Cloud FinOps

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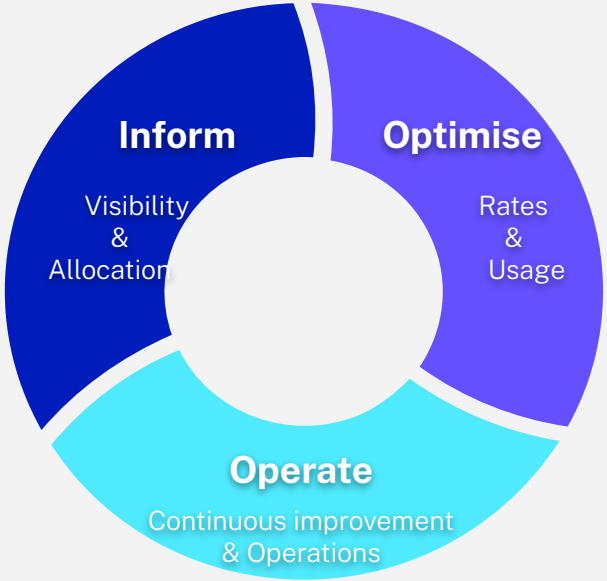
Foundational Cycle

Our Approach

- Comprehensive Azure review
- In-depth usage pattern analysis
- Business needs documentation



- Team interviews
- Business-cloud spend alignment
- Cost-saving options & ROI analysis

- Quick wins implementation
- Long-term FinOps strategy creation
- Governance structure establishment

Our Cloud FinOps Framework

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Organization

- Operating Model
- CCOE
- FinOps

Structure

- Hierarchies
- Tags
- Shared Cost Model

Visibility

- Data & Viz
- Advisor
- Alerting

Accountability

- Showback
- Chargeback
- Budgets

Strategy

- Governance
- Well-Architected Standards

Optimization

- Commitments
- Discount Models
- Over-X Inefficiency

FinOps: Foundational Cycle

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Inform

2-4 weeks

- Review accounts
- Review resources
- FinOps maturity assessment
- Documenting results

Optimize

1-2 week

- Business needs alignment
- Saving calculations
- Business case preparation

Operate

2-3 weeks

- Quick wins
- Strategy preparation
- Roadmap preparation
- Governance setup
- Monitoring and reporting setup

Alerting & Monitoring

- Enables optimization by setting guardrails and controlling capacity utilization, and budgets.
- Can be done directly in Azure or/and use external cost controlling tools

Waste Management

- Cleaning up unused cloud resources
- Unattached disks and environment snapshots cleanup
- Network IPs clean up, etc.
- Account restructuring - delete unused accounts

Consumption Management

- Autoscaling
- Instance rightsizing and generation migration to latest instance types
- Placing instances on schedule
- Expensive storage replacement, archiving strategy

Purchase Best Practices

- Leverage reserve and spot instance strategy
- Provisioning lower-cost instance types that still meet specs
- Leverage Enterprise agreements

Cost-aware Architecture

- Build with cloud-native architecture (microservices and containers)
- Revisit heavy-compute workloads and leverage ephemeral compute loaded at run-time and decomed after (i.e. Spark jobs)

Tagging

- It is critical to have state of the art tagging policy.
- Use automation clean up and manage resources

Manufacturer of garden and pest control products

Industry: Manufacturer IOT

Challenge: This leading garden and pest control product manufacturer, also specializing in advanced soilless indoor gardening equipment, is grappling with high expenditure on cloud Infrastructure. Though this technology is crucial for smooth operations in today's digital age, the cost burden it presents necessitates strategic reconsideration and better resource allocation.

Solution: Ciklum team helped the Client to pass through all phases from identification, planning to implementation and effective usage of the infrastructure.

- Optimization Goals: Establish clear, feasible cost-reduction targets without compromising essential aspects like performance, scalability, and reliability.
- Cost-Effective Data Management: Assess storage and data transfer needs, opting for economical classes and transfer methods. Implement policies for data lifecycle and compression to curtail storage costs.
- Resource Adjustment: Right-size computational resources for efficiency.
- Contract Utilization: Harness the power of committed contracts and avail of discounts to minimize expenses.

Result: we have achieved a 32-68% reduction in cloud infrastructure costs. This has resulted in significant monthly savings.

68%
Reduced billing costs