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Amach's
FinOps Solution for Airlines

Maximize the business value of your cloud investments with Amach's FinOps solution. Designed for airlines operating at scale, this solution aligns engineering, finance, and operations through cost transparency, accountability, and continuous optimization. Using a proven framework grounded in FinOps principles, Amach helps reduce waste, improve forecasting, and drive cost-efficient innovation across your cloud infrastructure.

Problem Statement

Airlines are shifting from upfront infrastructure investments to continuous, usage-based cloud consumption. This creates new financial and operational challenges, especially with the rise of DevOps and complex multi-cloud environments. Without clear visibility or controls, costs become unpredictable, waste increases, and business value becomes hard to measure.

Key Issues:

	Problem	Solution
Lack of Cost Visibility & Ownership	Cloud costs are distributed across airline departments with limited insight or accountability.	Enable full cost transparency by workload, team, and service using tagging and reporting.
Cultural & Operational Silos	Engineers deploy resources with no clear financial governance or shared KPIs.	Build a culture where teams understand the financial impact of their decisions.
Forecasting & Budgeting Gaps	Finance teams struggle to predict and track usage in dynamic cloud environments.	Implement continuous monitoring and usage-based forecasting.
High Cloud Waste & Inefficiencies	Idle resources, overprovisioned instances, and lack of rightsizing drive costs up.	Automate cost optimization through scheduling, reserved instances, and right sizing.
Unmapped Business Value	Most airlines do not know how much cloud spend contributes to outcomes like cost per seat sold.	Map cloud usage to business metrics to evaluate return on technology investments.

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FinOps Enablement Model

Initial Discovery and Maturity Assessment:
• Evaluate current FinOps capabilities and benchmark against FinOps Foundation standards.
• Identify improvement areas and create a roadmap to align cloud strategy with financial goals

Cost Optimization and Automation:
• Right size compute, storage, and network resources.
• Automate shutdowns of non-production environments and align usage with peak demand.

Cultural and Process Integration:
• Embed cost awareness into development and deployment workflows.
• Empower engineers with Infrastructure as Code visibility and budget alerts.
• Support chargeback or showback models for financial accountability.

Lifecycle Management & FinOps Phases:
• **Inform:** Establish visibility, tagging, and cost allocation
• **Optimize:** Reduce waste and improve usage efficiency
• **Operate:** Institutionalize governance, training, and performance tracking

Benefits & Business Impact

Lower Cloud Costs
Eliminate waste and unlock discounts through reserved capacity and automation.

Business Metric Alignment
Understand cost per seat sold or per customer transaction to link spend with airline KPIs.

Improved Budget Accuracy
Predict usage and spend using historical and real-time data.

Faster Innovation with Control
Empower DevOps teams to innovate without creating uncontrolled cost exposure.

Environmental Impact Reduction
Align sustainability goals with cost-saving practices by reducing unnecessary resource use.

Greater Accountability
Give teams clear ownership over cloud usage and spend decisions.

Cost Savings RDS Analysis			
Time	No. of RDS Analysed	Annual Cost Savings	Savings in Timeframe
12 Weeks Engagement	297	$2,296,148	$826,958

Right sizing/ Optimising Databases
Optimizing the database by rightsizing from a 32x large database to an 8x large database. This "use it or lose it" approach reduced waste, saving $63,000 annually.

Ready To Learn More?

Amach helps airlines embed FinOps as a continuous, scalable practice that connects cloud usage with business outcomes. Our framework enables cost-efficient growth while improving collaboration across engineering, finance, and operations. Let's make every cloud dollar count.

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