

CLOUD COST EFFICIENCY REPORT

ORGAN INDUSTRY

May 2, 2025

Executive Summary

Overview

This report presents an overview of Organ Industry's cloud infrastructure maturity.

Purpose

To assess and recommend improvements for cloud practices and maturity.

Methodology

Assessment responses analyzed against industry standards to identify gaps and opportunities.

Primary Recommendations

- Implement Automated Instance Scheduling
- Right-size Oversized Instances
- Standardize Resource Tagging
- Implement Cost Anomaly Detection

Summary Findings

- Cloud cost management practices need improvement with potential for 25-35% cost reduction
- DevOps automation maturity is below industry average, impacting deployment efficiency
- Security controls require enhancement to meet industry best practices
- Cloud governance framework needs standardization across the organization
- Multiple opportunities identified to enhance cloud maturity across all dimensions

Executive Summary (continued)

Key Recommendations with Rationale

Implement Automated Instance Scheduling

Non-production resources are running 24/7, resulting in unnecessary costs during inactive hours.

Impact: 15-20% reduction in compute costs

Critical Priority

Right-size Oversized Instances

Analysis shows 35% of compute instances are significantly over-provisioned.

Impact: 20-25% reduction in instance costs

Critical Priority

Standardize Resource Tagging

Inconsistent tagging prevents accurate cost allocation and governance.

Impact: Improved cost visibility and governance

Critical Priority

Implement Cost Anomaly Detection

Unexpected cost spikes are not being detected promptly.

Impact: Early detection of cost issues

Medium Priority

Expand Infrastructure as Code Coverage

Only 40% of infrastructure is currently managed as code, leading to configuration drift.

Impact: Reduced provisioning time and configuration errors

Critical Priority

Enhance IAM Controls and Monitoring

Current identity management practices don't follow principle of least privilege.

Impact: Reduced security risk exposure

Critical Priority

Cloud Maturity Assessment

Understanding Cloud Maturity

Cloud maturity measures the effectiveness and optimization of cloud adoption and practices.

Current Cloud Maturity Level

With an overall score of 2.1/5.0, your organization is at Level 2: Repeatable. established cloud practices with opportunities for automation and standardization

Overall Cloud Maturity Score

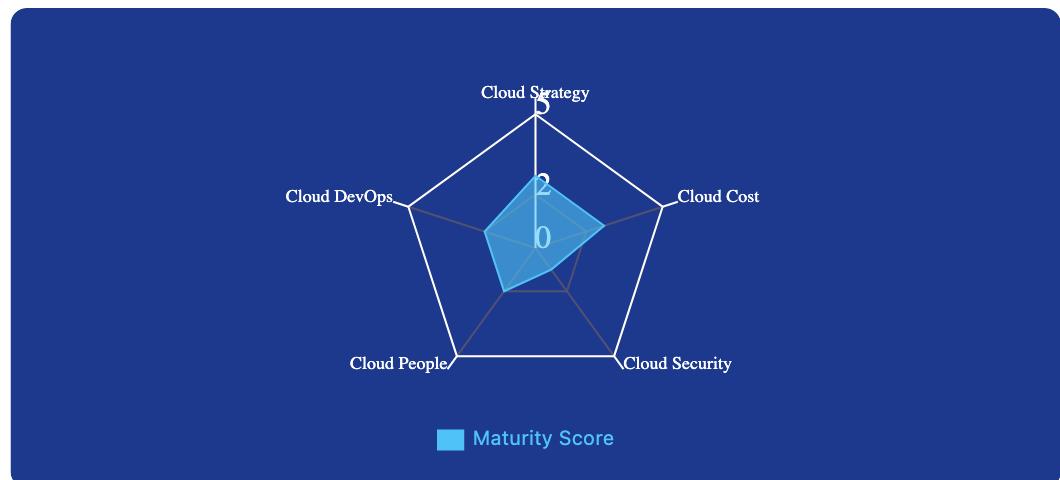
Based on comprehensive assessment across 6 dimensions

2.1/5.0

Dimensional Analysis

This radar chart highlights strengths and improvement areas across cloud domains.

Maturity Dimensions



Growth Trajectory & Recommendations

Focus areas and goals to accelerate cloud maturity.

Short-Term Focus Areas

- Enhance security controls and compliance monitoring
- Implement cloud skills development program
- Automate deployment and testing processes

Long-Term Strategic Objectives

- Establish a mature FinOps practice with proactive optimization
- Achieve 90%+ infrastructure-as-code coverage
- Implement advanced multi-cloud strategy with automated workload balancing
- Develop AI-driven cloud optimization capabilities

See detailed maturity table on the next page. Your current state is highlighted in **green** and target state is highlighted in **blue**.

Continuous Delivery Maturity Assessment Table

This assessment evaluates your organization's continuous delivery capabilities across key practice areas.

Note: Your current state is highlighted in **green** and target state is highlighted in **blue**.

Practice	Build management and CI	Environment and deployments	Release management and compliance	Testing	Data Management
Level -1: Regressive Process unrepeatable, poorly controlled and reactive	Manual processes for building software	Manual process for deploying software	Infrequent and unreliable releases	Manual testing after development Current State	Data migrations unversioned and performed manually
Level 0: Repeatable Process documented and partly automated	Regular automated builds and testing Current State	Automated deployment to some environments Current State	Painful and infrequent but reliable releases Current State	Automated tests written as part of development	Changes to database done with automated scripts Current State
Level 1: Consistent Automated processes applied across whole application lifecycle	Automated build and test cycle every time a change is committed Target State	Fully automated, self service process for deploying software Target State	Change management and approval processes defined and enforced Target State	Automated unit and acceptance testing Target State	Database changes performed automatically as part of deployment Target State
Level 2: Quantitatively managed Process measured and controlled	Build metrics gathered, made visible, and acted on	Orchestrated deployment managed. Release and rollback processes tested	Environment and application health monitored proactively	Quality metrics and trends tracked	Database upgrades and rollback tested with every deployment
Level 3: Optimizing Focus on process improvements	Teams regularly meet to discuss integration problems and resolve them with automation	All environments managed effectively. Provisioning fully automated	Operations and delivery team regularly collaborate to manage risk	Production rollbacks rare. Defects found and fixed immediately	Release to release feedback loop of database performance

Table based on "Maturity Model for Configuration & Release Management", Continuous Delivery, Jez Humble & David Farley

Recommendations & Action Plan

Implementation Priority Matrix

Critical Priority	High Priority	Medium Priority	Standard Priority	Implementation Roadmap								
<ul style="list-style-type: none">Implement Automated Instance SchedulingRight-size Oversized InstancesStandardize Resource TaggingExpand Infrastructure as Code CoverageEnhance IAM Controls and Monitoring	<ul style="list-style-type: none">None identified	<ul style="list-style-type: none">Implement Cost Anomaly DetectionImplement S3 Lifecycle Policies	<ul style="list-style-type: none">None identified	<table><thead><tr><th>Immediate (0-30 days)</th><th>Short-term (1-3 months)</th><th>Medium-term (3-6 months)</th><th>Long-term (6-12 months)</th></tr></thead><tbody><tr><td><ul style="list-style-type: none">Implement automated instance schedulingStandardize resources</td><td><ul style="list-style-type: none">Right-size oversized instancesImplement S3 lifecycle policies</td><td><ul style="list-style-type: none">Expand Infrastructure as Code (IaC) practicesIntroduce cost optimization scripts</td><td><ul style="list-style-type: none">Adopt FinOps best practicesEnhance container orchestration</td></tr></tbody></table>	Immediate (0-30 days)	Short-term (1-3 months)	Medium-term (3-6 months)	Long-term (6-12 months)	<ul style="list-style-type: none">Implement automated instance schedulingStandardize resources	<ul style="list-style-type: none">Right-size oversized instancesImplement S3 lifecycle policies	<ul style="list-style-type: none">Expand Infrastructure as Code (IaC) practicesIntroduce cost optimization scripts	<ul style="list-style-type: none">Adopt FinOps best practicesEnhance container orchestration
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				<h3>Additional Recommendations</h3> <p>Standardize Resource Tagging</p> <p>Inconsistent tagging prevents accurate cost allocation and governance.</p> <p>Impact: Improved cost visibility and governance</p> <p>Critical Priority</p> <p>Implement Cost Anomaly Detection</p> <p>Unexpected cost spikes are not being detected promptly.</p> <p>Impact: Early detection of cost issues</p> <p>Medium Priority</p>								

Key Recommendations with Rationale

<p>Implement Automated Instance Scheduling</p> <p>Non-production resources are running 24/7, resulting in unnecessary costs during inactive hours.</p> <p>Impact: 15-20% reduction in compute costs</p>	<p>Critical Priority</p>	<p>Right-size Oversized Instances</p> <p>Analysis shows 35% of compute instances are significantly over-provisioned.</p> <p>Impact: 20-25% reduction in instance costs</p>	<p>Critical Priority</p>	<p>Schedule a planning session with MakeStuffGo team</p> <p>Assign internal stakeholders to each recommendation area</p> <p>Track progress with bi-weekly reviews</p>
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ResponsesSummary

Question	Client Score	Industry Standard
How aligned is your cloud strategy to broader business goals and priorities?	3	Moderately aligned
How would you rate your organization's cloud security posture against the best practices?	1	Very poor
How satisfied are you with the value for money in your cloud today?	1	Not satisfied at all
How aligned are you with the cloud governance model to guide cloud adoption decisions (e.g cost, compliance, performance, architecture)?	2	Somewhat aligned a bit
As a business, How often do you review cloud budgets, forecasts and negotiate with cloud providers?	2	Rarely
As a business, what level of visibility you get around cloud costs by service, department, and project?	5	Full visibility
What percentage of your applications are roughly hosted in Cloud (SaaS, PasS, IaaS etc) current out of the total cost of your IT business?	3	41-60%

Responses Summary (continued)

Question	Client Score	Industry Standard
What is the maturity of your Cloud Platform / Center of Excellence (CCoE) or cloud operations team?	2	Initial
How would you rate your developer experience?	1	Very poor
How do you think cloud security investments are aligned to business risk and financial value and developer experience to be faster and safer?	1	Not aligned at all
Do you have ongoing training and enablement programs for cloud skills development?	3	Sometimes
As a business, how often you think each software change will cost an issue, incident in production?	5	Never
How often you deploy your software to Production?	1	Never
How long usually it takes a new business idea to go to production and to the hand of the end user?	1	More than a year
How quickly can you recover when you have a technology incident?	1	More than a week

Thank You

For more information or to schedule your implementation call, please contact
your MakeStuffGo representative.

Report prepared for:

Organ Industry

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MakeStuffGo

Ensuring every dollar you spend on the cloud is working as hard as you

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