



Cloud Resource Tagging and Labeling Standard

Introduction

This standard establishes mandatory, statewide tagging and labeling requirements for cloud resources across Azure, AWS and Google Cloud Platform. Proper tagging ensures clear resource ownership strengthens statewide governance practices and supports essential financial transparency for Oklahoma cloud environments.

Purpose

The purpose of this standard is to define the required tagging structure for all cloud resources so financial operations tooling can accurately interpret usage data. Correct tags facilitate cost-allocation, agency visibility, chargeback/showback reporting, financial compliance, and support transparent cloud expenditure management across OMES-managed environments.

Definitions

Tag/Label – metadata applied to a cloud resource in key-value format.

Agency number – the 3-digit state agency identifier associated with the resource ([found in Agency Overview on Oklahoma.gov](#)).

Owner – the department/program responsible for the resource.

Application – the system or workload supported by the resource.

Life cycle – resource stage (development, testing, staging, production).

Cloudability – FinOps platform that uses tags to generate spend analytics, cost allocation, chargeback/showback, and agency visibility.

Standard

Required tags/labels.

- Agency.
 - Must contain only the official 3-digit agency number (e.g., 340, 265, 131).
 - The Agency tag is mandatory for every resource.
 - Placeholder values – 000 or 090 – are strictly prohibited when information is unavailable.
 - If unknown, do not deploy the resource until the correct agency number is obtained.
 - 000 is designated only for shared servers, shared enterprise applications, shared resource groups and projects involving more than one customer agency. It is not intended for statewide infrastructure.
 - 090 is designated for shared statewide infrastructure, OMES-ISD resources, monitoring, security and infrastructure guardrails for cloud providers.
- Owner.
 - Must identify the department or program area responsible for the resource.

- If complete information is unavailable at deployment, the Owner tag must still be provided.
 - It may represent the customer submitting the request or the team managing the resource.
 - Owner is required for proper operational accountability.
- Application.
 - Specifies the application or workload associated with the resource.
 - If the application name is initially unknown, the resource may be deployed only if Agency and Owner are present and Application is added within 7 business days.
- Life Cycle.
 - Must specify development, testing, staging or production.
 - This tag must be updated as the resource transitions between environments.

Optional tags/labels.

- Service team.
 - Identifies the service delivery team supporting the resource.
 - Helpful for operations and routing but not a mandatory tag.
- Department.
 - Identifies the department within an agency responsible for the cost.

Additional tagging guidance.

- Additional tags may be used to provide more detail, such as:
 - Environment (beyond life cycle).
 - Versioning.
 - Network configurations.
 - Dependencies.
 - Etc.
 - Optional tags may enhance automation, governance clarity and Cloudability reporting.

Updating tags later.

- Tags may be updated, edited or modified at any time.
- Updating is recommended when:
 - Ownership changes.
 - Applications evolve.
 - Resources move between life cycle stages
- Maintaining accurate tags ensures Cloudability's financial data remains correct and useful for agencies.

Tagging compliance.

- Resources missing required tags may be clocked from deployment or flagged remediation.
- Tag accuracy is critical for statewide financial governance and must be continuously maintained.

Compliance

This standard shall take effect upon publication and is made pursuant to Title 62 O.S. §§ 34.11.1 and 34.12 and Title 62 O.S. § 35.8. OMES IS may amend and publish the amended standards policies and standards at any time. Compliance is expected with all published policies and standards, and any published amendments thereof. Employees found in violation of this standard may be subject to disciplinary action, up to and including termination.

Rationale

To ensure efficient, secure, and cost-effective delivery of essential public services, all state agency IT purchases and projects must receive central approval. This allows the Chief Information Officer to evaluate agency needs and capabilities, strengthen data protection and security, and streamline and consolidate systems to reduce costs for taxpayers.

References

- [Agency Overview \[Oklahoma.gov\]](#).

Revision history

This standard is subject to periodic review to ensure relevancy.

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