



CLOUD ENGINEERING

CloudTracker

AVAILABLE ON THE NASA SEWP GWAC

CloudTracker provides a single pane of glass for oversight of resource utilization, cost, migration, tracking, compliance, and optimization data for Amazon Web Services and Microsoft Azure.

CloudTracker is essential to any government agency using the cloud as part of its modernization strategy. As a cloud-native web application, CloudTracker allows an agency to manage risk, promote transparency, and monitor resource utilization and cost data by identifying inefficiencies and optimizing consumption across the enterprise.

FEATURES



CLOUD GOVERNANCE

Monitor cloud consumption across complex organizational structures. Support for multiple payer and application account types. Data filtering and visualization at all levels.



BUILT FOR C2S

Accreditation at RMF+ through six releases. PKI and basic authentication, attribute and/or role based authorization, session tokens, and native integration with security systems.



FLEXIBLE AVAILABILITY

Automated blue|green deployments. Multiple availability zones. Tiered load balancing. Auto-scaling groups. Health checks with auto-corrective monitoring.



DIRECT SUPPORT

Support for installation, administration, accreditation, training, and new feature development on the NASA SEWP GWAC.



FINANCIAL OPERATIONS (FINOPS)

Manage CAPEX (reserved capacity) and OPEX (on-demand) cost and risk with all expenses mapped to CLINs. Avoid unnecessary costs by isolating inefficiencies and curbing consumption.

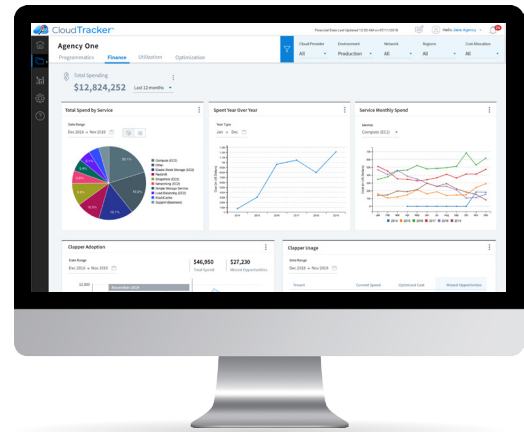


MULTI-CLOUD SUPPORT

Consume, analyze, and visualize resource utilization and cost data from Amazon Web Services (AWS) and Microsoft Azure. Compare expenses and cost controls side-by-side.

Oversight and monitoring of cloud activity tracking, resource utilization, and cost data.

With the growth of cloud computing, organizations find themselves using more than one cloud provider. CloudTracker is a flagship example of building cloud-agnostic applications that are able to take advantage of features and services from multiple cloud environments.



BENEFITS



PROGRAMMATICS

- Track and visualize cloud adoption and migration activities to provide up-to-the-minute status reporting.
- Manage cloud adoption, migration status, and decommissioning of legacy hardware.
- Use key/value pairs to associate pertinent metrics with applications such as business categories, application owner contact information, and related links/URLs via a robust metadata model.



FINANCE

- Aggregate all cost data from multiple payer and linked accounts onto a single pane of glass to provide detailed financial data aligned with applications and CLINs. This alignment facilitates compliance with technology business management (TBM). Filter based on regions, cost allocation tags, cloud providers, account types, and date ranges.
- View financials at all levels of the enterprise down to individual applications for development, testing, and production.
- Isolate costs to identify unplanned expenditures, compare service costs across all applications, and conduct in-year/out-year budgetary planning.



UTILIZATION

- Examine all resources consumed by each application in your enterprise to include on-demand instances, instance reservations and utilization, and block and object storage.
- Identify inefficiencies such as unattached storage, excessive instance snapshots, underutilized instance reservations, on-demand instance utilization during off-hours, and other waste.



OPTIMIZATION

- Review each application for compliance with industry best practices across five categories: custom C2S health checks, cost optimization, security, fault tolerance, and performance.
- Provide recommendations for corrective action to mitigate risks when issues are detected.