TYCHON brings you iRAMP

KEY FEATURES

- Detailed billing reports
- Cost analysis functions
- Usage metrics

- Ad-hoc business intelligence analytics queries
- Complete asset management of an organization's entire cloud footprint

The portal is more than just presentation of cloud resources and bills; it provides users with deep insight into how their organization is using the cloud across multiple CSPs.

OVERVIEW

- Real-time billing access in a centralized, Section 508 compliant management portal that acts as a single pane of glass across multiple AWS and/or Azure accounts.

- A standardized approach to on-demand provisioning that works across multiple CSPs.

- Detailed billing reports, cost analysis functions, usage metrics, and ad-hoc business intelligence queries using near real-time billing data.

- A comprehensive, centralized asset management solution across an organization's entire cloud footprint, thanks to work across multiple CSPs.

Through resource tag management and account allocation, iRAMP supports granular billing and chargeback capabilities to accurately allocate costs to specific applications and/or business units.

With this data, companies can manage billing across multiple accounts and provide direct chargeback to a tenant that may have a footprint that spans multiple CSPs and multiple accounts within each CSP.

iRAMP interacts with the application programming interfaces (APIs) of various IaaS providers and uses connectors to interact with each CSP.

Connectors are in place for AWS and Azure and additional connectors can easily be created for other CSPs to include the retrieval and processes of billing data, the display of cloud resources, and the provisioning of cloud resources.

CSP SLA MONITORING

As an enhancement to the CSP offerings such as the AWS Service Health Dashboard, iRAMP has functionality to access service health data programmatically and to record actual down time that may impact AWS SLAs.

iRAMP includes a service that determines start and end times of each outage for each service in each region. This allows companies to independently validate AWS SLAs and any expected service credits due to AWS missing them.

AGILITY. PRECISION. SPEED.

RESERVED INSTANCE ANALYSIS

AWS offers a unique feature called Reserved Instances where the customer can commit payment for reserved capacity and pay a lower overall price for resources.

To enhance this feature, InfoReliance developed an algorithm to better determine the ideal number of reserved instances to truly optimize cost.

This is especially important when the AWS footprint spans multiple accounts and thousands of resources. Our algorithm analyzes hourly customer billing data across many accounts to identify usage patterns of existing EC2, RDS, and Elasticache workloads.

The algorithm identifies instances that should be converted to Reserved Instances based on historical usage in order to optimize cost. It identifies both individual instances with enough monthly uptime to justify conversion, and cases where multiple instances warrant conversion based on aggregate usage.

The report details every EC2, RDS, and Elasticache instance that was used to build the recommendation, optionally including tags, and can be run on-demand to ensure companies maintain the optimal number of Reserved Instances over time.

A large customer of iRAMP has already recognized more than $1M in savings based on our Reserved Instance Analysis.

Six AWS accounts (top left) with a total summary of all services (top right).

The summary by account bar chart shows the cost for the last four months by account.

A single AWS account with a breakout of projects with the total spend per month over the last four months. A total summary by month is also shown at the top.