Demystifying and Optimizing Cloud Spend

Centralize visibility across AWS, Azure, GCP, and Kubernetes. Give stakeholders clear dashboards to understand costs, take accountability, and optimize continuously. Budget and forecast with confidence, identify wastage automatically, and right-size resources and commitments without slowing delivery.

Centralize Visibility

CerteroX unifies billing, usage, and resource metadata from AWS, Azure, GCP, and K8s into a single, business-ready platform. View spend by product, team, environment, cost center, tag/label, account/subscription/project, cluster/namespace, with drilldowns from executive summaries to engineer-level detail.

Why it matters: shared context reduces finger-pointing at quarter-end and accelerates cost ownership across Finance, Development, Engineering, Operations, Security, Procurement, and FinOps teams.

Cloud Cost Management

Visualize costs at scale and by line of business. Provide role based, self-service views for budget owners, engineers and FinOps, so we see their resources and their responsibilities.

Optimize Cloud Spend

Identify and remove waste fast:
- Rightsizing & Scheduling: detect idle/overprovisioned compute, automate nonprod shutdowns, and correct container requests/limits drift.
- Storage Hygiene: assignment rules for snapshots, abandoned disks, and costly storage classes.
- Network & Egress: highlight cross region transfers and high egress pathways.
- Duplicate Storage: CerteroX will scan through every file in the selected buckets, identifying duplicate objects based on their content.
- Kubernetes/OpenCost: surface workload and namespace costs to the teams that own them.

Understanding Utilization (Case Example)

Go beyond billing files. Correlate CPU/memory/storage/network utilization with spend to highlight where to right-size and where to rearchitect (e.g., moving from always on to serverless). Configurable thresholds focus attention on the few line items that drive most of the cost, so fixes happen sooner, not after month-end.
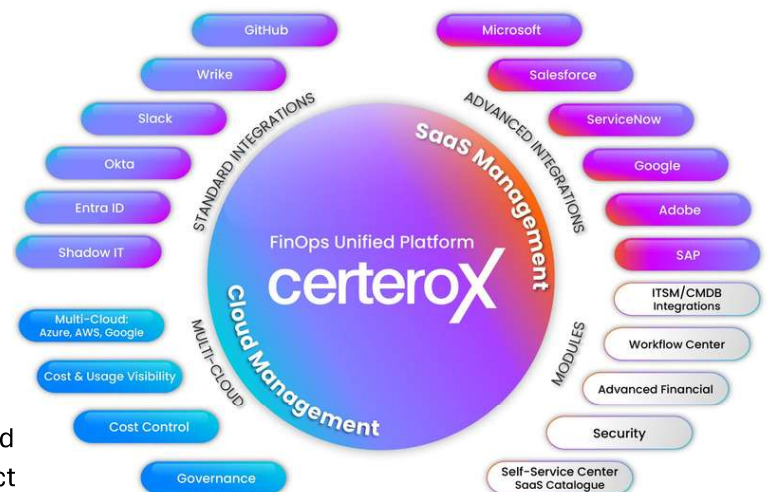
Cloud Cost Management Data Sheet

Strengthen Governance

Encode your guardrails with criteria and proactive alerts:
- Tagging & Ownership: enforce required tags/labels; autodetect drift and assign owners.
- Budget & Anomaly Policies: budget thresholds, forecast overruns, near realtime anomaly detection.
- Access & Safety: read only cloud roles and SSO/RBAC (Entra/Google) to ensure controlled autonomy, self-service without surprises.)

Commitment Management

Identify Reserved Instances, Savings Plans, and Committed Use Discounts with confidence. CerteroX models coverage and risk by family/region/term so you avoid both overcommitment and bill shock.

Kubernetes & Serverless Transparency

Blend Kubernetes cost allocation with cloud invoices to reveal cost per namespace, deployment, and service. Attribute managed services and serverless costs (DBaaS, functions, streams) back to product owners and business units.

Cloud Spending Transparency

Not just for cloud engineers, CerteroX is a single source of truth that non-technical stakeholders can access directly. Shared understanding through an intuitive UI drives safer, faster decisions and genuine accountability across the business.

At a Glance: Key Capabilities
- Agentless, MultiCloud Connectors: AWS, Azure, GCP billing
- Agent-based & Connectors: Kubernetes K8s (Helm Agent)
- Business Mapping: products, teams, environments, cost centers; tag/label inference and hygiene.
- Budgets & Forecasts: by multiple dimensions; alerts via email.
- Anomaly Detection: near real-time spikes with owner routing.
- Optimization Library: rightsizing, scheduling & storage lifecycle.
- Security & Access: SSO (Entra/Okta), granular RBAC, readonly roles.

Technical Snapshot
- Data Collection: AWS CUR; Azure Cost Management exports; GCP Billing Export (BigQuery)
- Processing: normalization, currency/FX handling.
- Identity: SSO + SCIM (where supported) for user lifecycle and least privilege access.
- Deployment Options: SaaS or private SaaS; regional data residency options.

Outcomes You Can Expect
- Faster time to value: connect clouds with read-only roles; see insights in hours, not weeks.
- Lower run rate: eliminate idle/oversized resources; improve commitment coverage; reduce egress/storage leakage.
- Budgets & forecasts: reliable showback/chargeback; review forecasts and be alerted to overspend to keep control of pricing.
- Happier teams: engineers retain autonomy within clear guardrails; Finance gains provable controls.