cloudtamer.io

Complementing AWS Governance at Scale **with cloudtamer.io**

The cloud promises agility and cost savings, but realizing this benefit at scale can be challenging. Faced with setting up and managing accounts and resources, monitoring pay-as-you-go spending, and assessing the state of compliance, many organizations respond by bringing on more technical staff. This approach doesn't scale and often introduces cost and security risks that stall adoption.

If you are...

- Using manual and/or out-of-band approvals to provision and configure AWS accounts

- Using spreadsheets to 'enforce' policies for cloud usage

- Maintaining a dedicated team solely focused on reconciling cloud spending

- Overrunning your monthly budget for cloud spend

- Using multiple applications to manage accounts, enforce budgets, and ensure compliance in the cloud

... you need an automated cloud governance solution.

cloudtamer.io delivers all governance pillars –

Account Management

Budget Enforcement

Compliance Automation

– to meet the requirements outlined within the AWS Governance at Scale framework[1].

Your Objectives

How cloudtamer.io Helps

Your Objectives	How cloudtamer.io Helps
Use a single solution to deliver governance across the cloud	• Get a single pane-of-glass view across all cloud workloads
Realize the full potential from the move to the cloud	• Grow cloud use and success at scale with centralized account management and policy orchestration
Enhance security and compliance	• Get visibility into the account landscape and who has access to accounts • Automate staff adherence to defined compliance standards • Keep the focus on prevention, not after-the-fact cures
Remain within budget	• Get a real-time view into budget and centralized cost management • Enforce cloud spending limits across many accounts and workloads

SOURCE
1: AWS Governance at Scale Framework - https://docs.aws.amazon.com/aws-technical-content/latest/aws-governance-at-scale/introduction.html

Working Together and Building in AWS

The AWS Governance at Scale framework provides best practices to address AWS account management, cost control, and security and compliance through automation. cloudtamer.io is a governance solution provider noted within the Governance at Scale framework.

Working Together

AWS CloudFormation simplifies provisioning of AWS resources through templates for quick and reliable setup of services or applications.

cloudtamer.io Cloud Rules bundle multiple AWS services, including AWS CloudFormation, into a single object for ease of use.

Building on AWS

cloudtamer.io **reduces manual labor** and **minimizes risk and errors** by:

- Consistently applying AWS CloudFormation templates across AWS accounts based on where the accounts live within your organizational hierarchy.

- Simplifying the update of AWS CloudFormation stacks in AWS regions where StackSets are not available.

- Helping non-technical security and financial stakeholders to implement template libraries and manage their responsibilities within the cloud.

Amazon Machine Images (AMIs) provide the operating system and software configurations required to launch a computing instance in the cloud.

AWS Service Catalog enables organizations to create and manage catalogs of IT services that are approved for use on AWS.

cloudtamer.io Cloud Rules bundle multiple AWS services, including AMIs and Service Catalog portfolios, into a single entity for ease of use.

cloudtamer.io **reduces manual labor** and **minimizes risk and errors** by:

- Including AMIs and Service Catalog portfolios in cloudtamer.io Cloud Rules to allow you to easily share, update, and deploy approved instance and product configurations with AWS accounts within specific parts of your organization.

Working Together

AWS Landing Zones provides a framework of core accounts to provide shared services, logging, and security to new accounts automatically.

AWS Control Tower automates the set-up of a baseline environment, or landing zone.

Landing Zones are a starting point to build around; cloudtamer.io takes this starting point and uses this to scale up and across an organization.

Building on AWS

cloudtamer.io helps you **scale growth** and **remain within budget** by:

- Importing existing accounts for initial and ongoing governance and aligning these accounts to your organizational hierarchy via a visual, non-technical interface.

- Encouraging delegation through roles and responsibilities to minimize the size and labor of a centralized cloud team.

- Providing financial enforcement capabilities to ensure users remain within budget.

- Enhancing Single Sign On (SSO) into AWS accounts to provide greater context into spending and policies applied.

AWS Billing and Cost Management is used to pay AWS bills, monitor usage, and budget costs.

cloudtamer.io uses AWS Billing and Cost Management as a source of truth upon which to base additional features.

cloudtamer.io helps you **achieve cost visibility, remain within budget**, and **estimate future costs** by:

- Making it easy for finance teams to gain visibility into cloud spending across multiple accounts through an easy-to-use interface.

- Supplementing the AWS-reported billing data provided every 12 hours with near-real-time cost estimates for top AWS services for an up-to-date view of current spend.

- Triggering budget enforcement actions when different levels of thresholds are reached, slowing or stopping spending from occurring on sandbox or production accounts to enforce budgets of all size.

Working Together

AWS Organizations helps to group accounts together and apply policies to restrict AWS services based on the grouping.

In commercial AWS regions, cloudtamer.io leverages AWS Organizations to programmatically create new AWS accounts.

AWS Identity and Access Management (IAM) enables customers to create and manage AWS users and groups and use permissions to allow and deny their access to AWS resources.

AWS Service Control Policies (SCPs) determine what services and actions can be delegated by administrators to the users and roles in accounts; SCPs do not grant any permissions.

cloudtamer.io Cloud Rules bundle multiple AWS services, including IAM policies, into a single entity for ease of use. SCPs can be used to restrict services that cannot be used by even administrators, while cloudtamer.io manages permissions at specific role levels across one or more accounts.

Building on AWS

cloudtamer.io helps you **reduce manual labor, scale growth,** and **see value** by:

- Providing an easy-to-use, hierarchical account management interface across commercial and GovCloud regions that matches your familiar and unique organizational model.

- Augmenting AWS Organizations' support for Service Control Policies with support for IAM policies – all bundled within cloudtamer.io Cloud Rules for easy inheritance across the hierarchy.

- Supporting multiple payer accounts, allowing companies or resellers with multiple groups paying monthly invoices to get a single view of their cloud presence.

cloudtamer.io **reduces manual labor** and **minimizes risk and errors** by:

- Providing customer-specific hierarchical management and application of IAM policies using a tree structure, while keeping policies in sync across your organization.

- Simplifying end user access by federating authenticated users into IAM roles, reducing the number of IAM user accounts required.

- Restricting services and configurations at a granular level based on specific conditions such as only using specific AWS regions to satisfy compliance standards.

- Providing a way to request exemptions against policies so only specific roles can gain access to services.

Contact us at **info@cloudtamer.io** to bring governance to all your cloud workloads.