

# Make Your Infrastructure Costs Visible and Predictable Before, During and After Deployment

Torque simplifies cloud cost controls, strengthens accountability and predictability

For development teams today, building applications efficiently requires direct access to cloud accounts to run CI/CD pipelines with the required infrastructure. This often results in unrestricted access to large numbers of accounts across multiple cloud providers. In our decentralized cloud world, it is no surprise that cloud costs easily spin out of control.



**“infrastructure spend should be a first-class metric.”**

from *The Cost of Cloud, a Trillion Dollar Paradox*, by Sarah Wang and Martin Casado, a16z.

Controlling these escalating cloud costs remains difficult because public cloud providers' billing and utilization reports do not map line items to the responsible users, teams, and projects. This makes extracting actionable information from this data next to impossible. Legacy tools focus on provisioning infrastructure, not on linking infrastructure costs and usage to business needs.

As a result, most organizations are forced into a reactive, manual approach to deciphering and subsequently controlling cloud costs. While cloud cost management tools aggregate and

report data from multiple clouds, this data captures previous activity—what happened last week, month, or quarter. This often leads development and operations teams to reconsider instance sizes and pricing options. And unless development and operations teams manually tag cloud instances identically, the organization will continue to struggle to track costs by team or project accurately.

It is little surprise that team leaders and managers often end up in an untenable position when they are asked to justify the cloud budget for their teams.

Quali implements a control layer that orchestrates and provisions application environments **at scale with inherent governance and cost accountability.**

## TAKE CONTROL OF CLOUD COSTS WITH TORQUE

IT and DevOps teams need a way to orchestrate access to cloud accounts and track cloud usage without slowing teams from operating at optimum velocity. They also need an automated, consistent mechanism to tie cloud infrastructure usage and costs to specific users, teams, projects, and applications. This is why we developed Torque.

Torque simplifies cloud cost optimization by embedding cost controls into modular blueprints that are used to deploy application environments. These built-in controls make costs predictable and easy to track by user, project, or team. Self-service access to environments empowers developers to deploy the infrastructure they need—in the right cloud with authorized cloud accounts—when they need it. This prevents unauthorized usage and cloud infrastructure sprawl.

With Torque, monitoring cloud spend is simple and straightforward, with auto-tagging features that deliver precise usage details.



### CONNECT SPEND TO PRIORITIES

Automate connecting infrastructure spend to business initiatives.

Align costs to priorities by mapping infrastructure to business context.

Refine your understanding of what infrastructure is used by project, team, user.



### VISIBILITY & PREDICTABILITY

Gain insights into cost black boxes across your entire infrastructure estate.

View cost forecasts prior to deployment.

Capture and report actual cost data in real time for cloud, IaC and container infrastructure.



### COST ACCOUNTABILITY

Strengthen accountability without slowing velocity.

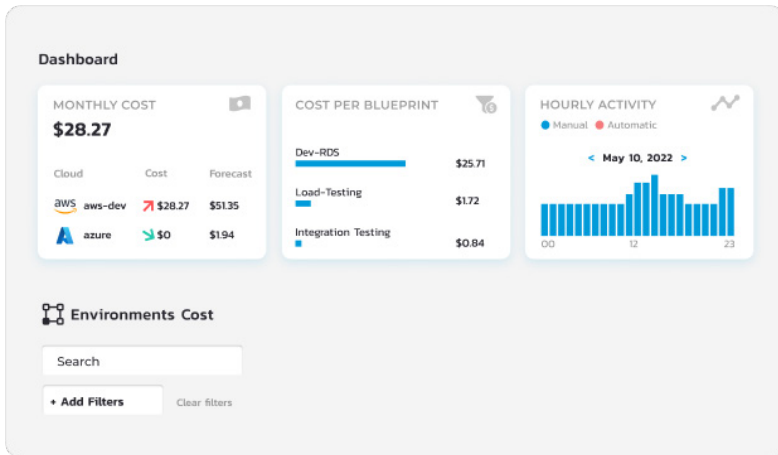
Gain visibility into infrastructure costs before, during, and after it runs.

Embed policy-based cost guardrails and enforcement into infrastructure provisioning.

## OPTIMIZING SPEND FOR INFRASTRUCTURE AND CLOUD RESOURCES

As technology continues its rapid evolution, to remain useful, infrastructure must be adaptable, agile, and cost-effective. Infrastructure powers today's digital enterprises and infrastructure usage and costs need to be optimized to support business priorities.

Torque attributes infrastructure costs and usage to time, place, user, and purpose. As a result, organizations can align infrastructure resources to business priorities accurately, providing the basis to transform cloud investments into proactive catalysts for business innovation.

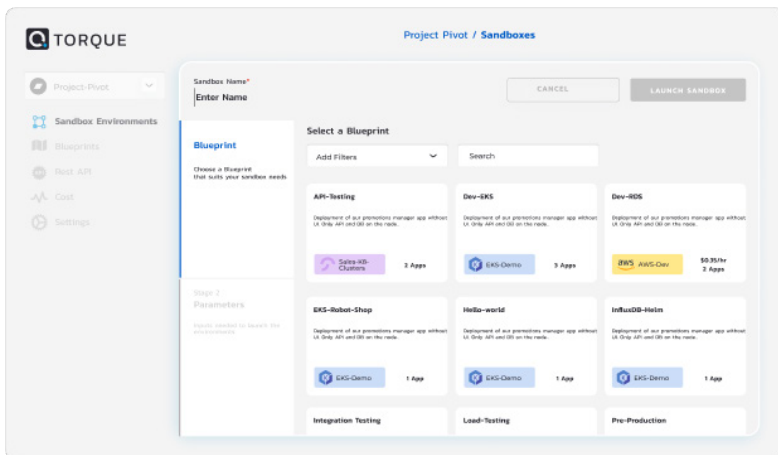


## ALIGNS COSTS TO BUSINESS CONTEXT WITH AUTOMATED AND CUSTOM TAGGING

Accurate and consistent tagging is critical to assign business context, such as who uses what infrastructure and why. With its automatic and custom tagging capabilities, Torque adds custom metadata to cloud resources and blueprints, so they can be categorized and filtered in displays and reports.

Automatic tagging ensures the complete tracing of cloud spend, as it ties costs to accounts, projects, and users. Torque users can also set custom tags at the blueprint level, ensuring that every deployed resource is consistent across all cloud accounts. Custom tagging also allows users to tailor cost tracking to an organization’s priorities and business outcomes.

## CONTROL CLOUD SPRAWL WITH POLICY-BASED ACCESS TO CLOUD ACCOUNTS



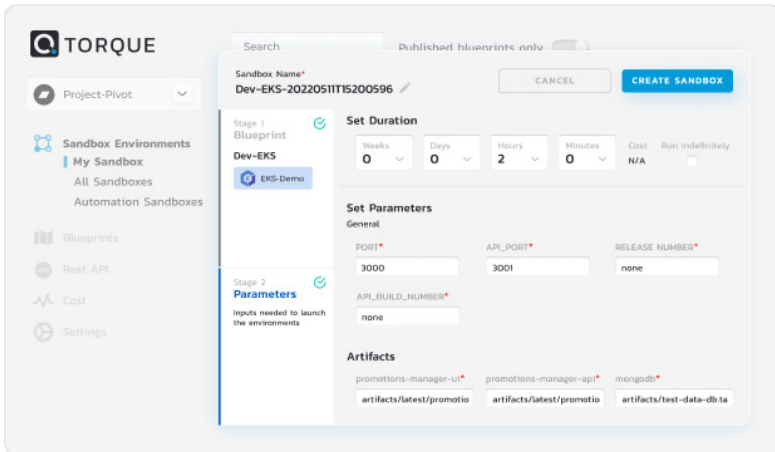
While various teams need access to a range of cloud environments, far fewer people need access to cloud accounts. With Torque, admins provide users with access to the environments they need—and only the environments they need—with a self-service catalog or automatically through the pipeline, with robust policy-based controls and Role-Based Access Controls (RBAC). Admins can also easily manage who can access cloud accounts and edit blueprints.

As blueprint designs embed cloud account credentials and secure access mechanisms, users no longer need to be given account credentials. Access to the various cloud accounts can be kept solely by the appointed cloud account owners responsible for configuring cloud infrastructure. Embedding cloud account access into blueprints ensures the alignment of costs to teams and helps ensure users leverage the cloud accounts they are authorized to access.

## STRENGTHEN ACCOUNTABILITY WITH CONSUMPTION POLICIES AND AUTO DECOMMISSIONING

Torque’s integrated policy engine empowers users to create custom policies for standing up and tearing down environments. These can be assigned at the blueprint, sandbox, and user account levels.

Blueprints eliminate ghost and zombie resources by establishing maximum duration policies for environments, which automatically shut down cloud instances once the designated duration has passed.



Admins can also set limits for total cost by team and/or user, as well as the total number of concurrent environments. Policies can be designed to enforce an action (deny blueprint launch) or issue a policy alert notification when a setting violates a policy.

Torque builds accurate cost information by assessing historic data drawn from all cloud accounts, providing visibility and accountability for all infrastructure resources—even those that are difficult to track natively, such as Helm charts and Kubernetes resources.

Whether your teams leverage AWS, Azure, GCP, or Kubernetes, tracking and controlling cloud costs and utilization are critical to the success of a multi-cloud strategy.

**Torque cost governance brings clarity to cloud cost chaos.**

Torque’s policy-based approach and auto-tagging capabilities makes it easy to enforce governance and automate in-depth reporting of cloud costs without slowing teams down.

Eliminate unaccounted for costs by mapping infrastructure blueprints and their costs to business context. Link infrastructure costs to users, projects and business units, providing secure access to authorized cloud accounts for designated users—and only designated users. Take control of your infrastructure and the costs associated with accelerating application delivery... with Torque.

**Experience Torque Live On-Demand.  
Start a 30-day, Free Trial of Torque Enterprise >**

**About Quali**

Headquartered in Austin, Texas, Quali provides the leading platform for Environments-as-a-Service infrastructure automation solutions, helping companies achieve freedom from infrastructure complexity, so they can operate with velocity. Global 2000 enterprises and innovators everywhere rely on Quali’s award-winning CloudShell and Torque platforms to create self-service, on-demand automation solutions that increase engineering productivity, cut cloud costs, and optimize infrastructure utilization. For more information, please visit [quali.com](https://quali.com) and follow Quali on [Twitter](#) and [LinkedIn](#).