

End-to-End Cloud Infrastructure Optimization



Streamline multi-cloud management with Quali Torque

Torque's Curate, Self-Service, and Operate capabilities streamline end-to-end management for multi-cloud infrastructure by making cloud resources easily reusable, accessible, and manageable at scale.

Torque's approach to comprehensive cloud infrastructure optimization includes:

1 **Curate: Accelerate velocity with a comprehensive inventory of ready-to-use cloud assets**

Curate automatically discovers and organizes all resources from cloud accounts and Git repositories into an easily referenceable inventory of multi-cloud resources that can be re-purposed and operationalized on-demand.

2 **Self-Service: Eliminate bottlenecks with GenAI and an intuitive self-service experience**

Torque's self-service tools use generative AI to orchestrate Curated resources into cloud environments that anyone with access can launch in just a few clicks—regardless of expertise in cloud-native technologies.

3 **Operate: Optimize reliability, security, and cost efficiency for multi-cloud infrastructure**

Operation Hub provides visibility, automates actions, and enforces governance to optimize reliability, performance, security, and cost efficiency from Day-0 through Day-2 of the infrastructure lifecycle.

Together, these capabilities help our users improve the ROI on cloud infrastructure by increasing productivity for the teams that use it while reducing unnecessary spend on wasted cloud resource consumption.

Curate with Quali Torque

Create your cloud inventory

Torque's Curate capability automatically discovers, inspects, and creates an inventory of all cloud infrastructure resources that the user needs, including those managed via their Git repositories and the resources deployed via their AWS and Microsoft Azure accounts.

This inventory accelerates velocity in the cloud by enabling users to find and reuse multi-cloud resources quickly and easily, while also providing a single source of truth to understand which resources have been deployed.



Multi-Cloud Account Discovery

Torque integrates with AWS and Azure to discover and classify all cloud resources deployed—whether through Infrastructure as Code (IaC) or traditional ClickOps. This provides an inventory of assets that can be easily converted into Infrastructure as Code (IaC) modules and Environment as Code (EaC) blueprints.



IaC Assets in Repositories

Torque scans repositories to locate IaC files in formats such as Terraform, OpenTofu, Ansible, AWS CloudFormation, Helm, and Kubernetes YAML, and normalizes them so they can be provisioned quickly, orchestrated together, and used alongside the assets discovered via the user's cloud accounts.



Policy Files for Compliance

Torque discovers the user's compliance-related policy files like Rego and activates them to enforce those policies over the deployment of any infrastructure discovered via Curate. This strengthens governance to support custom standards for security, compliance, and cloud cost efficiency.



IaC Conversion and Environment as Code (EaC)

Once discovered, users can convert the configurations from their cloud accounts into reusable Infrastructure as Code (IaC) modules and state files, group resources together to provision a live environment, and save the state of that environment as a reusable Environment as Code (EaC) blueprint.

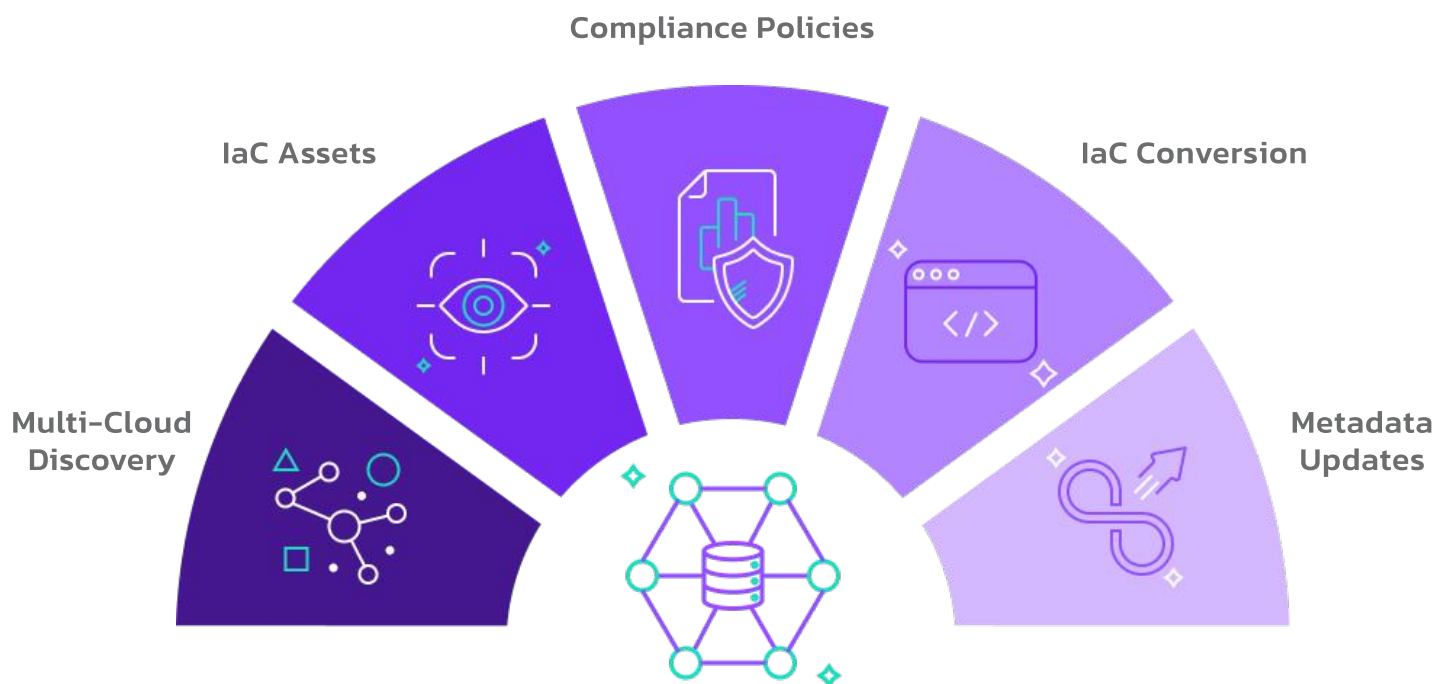


Continuous Metadata Updates

Torque actively updates asset metadata in real time, ensuring all configurations and usage patterns are current. This supports FinOps and governance processes in the Operate phase.

Summary

Curate accelerates velocity and strengthens governance by providing an organized view of all multi-cloud resources and making them easy to re-use and operationalize on-demand.



Self-Service with Torque

Democratize provisioning of cloud workloads securely & efficiently

Torque Self-Service transforms curated assets into policy-compliant, deployable environments.

This approach accelerates cloud velocity by eliminating complexity and democratizing access for stakeholders to build and provision environments on-demand—even for those with limited skills or expertise in cloud platforms or tools.



GenAI-Powered Environment Designer

Torque users can submit natural-language AI prompts to generate cloud resources, including the code used to provision environments and enforce policies, to eliminate redundant time-consuming orchestration processes required to run and manage cloud environments.



Self-Service Environments

Accessible on-demand through Torque's catalog, ITSM platforms, or any integrated access point, Torque's self-service catalog eliminates the complexity of provisioning infrastructure so users at all skill levels can deploy policy-compliant environments as needed. Torque manages and encrypts cloud security credentials, applies default values for parameters, and enforces role-based permissions to simplify and democratize access to provision resources while reducing risk.



Collaboration & Shared Infrastructure Resources

Torque eliminates the redundant orchestration and deployment of resources by allowing users to collaborate on individually provisioned environments and share the outputs of provisioned environments for their teammates to leverage for their own unique workloads.



On-Demand & Automated Day-2 Actions

Torque's custom Workflows enable users to execute Day-2 actions in a single click, while also automating those actions based on custom triggers including environment events and recurring schedules.

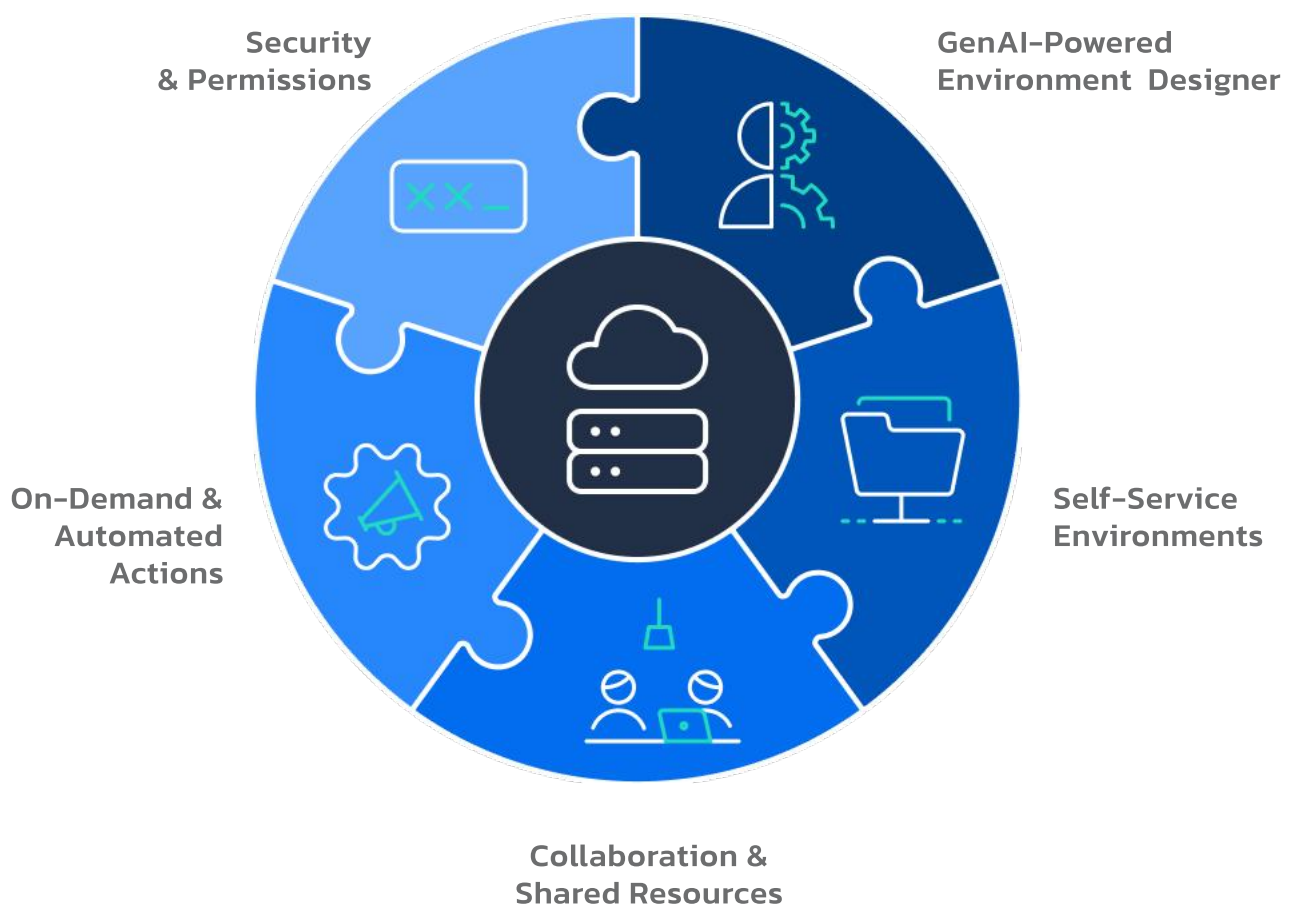
Security Authentication & Role-Based Permissions



Torque eliminates the need to share cloud security credentials just to provision environments and enforces role-based permissions so more users can provision the resources they need without incurring the risk of security vulnerabilities or wasted cloud costs.

Summary

Torque Self-Service unlocks velocity in the cloud with Generative AI tools, intuitive user experience, ecosystem integrations, and built-in controls to modernize how cloud environments are built and run.



Operate with Torque

Optimize reliability, security, & efficiency at scale

Torque Operate provides real-time visibility and continuous management for live environments, ensuring resource efficiency, compliance, and responsiveness to workload demands.



View All Active & Recently Launched Infrastructure & Environments

Torque's Operation Hub provides visibility into all resource deployments, including details on whether the deployment was successful, the cloud services deployed to support the environment, and easy access to the live environment output itself.



Context to Understand Environment Utilization

Torque provides visibility into the user who provisioned each environment, any other users who have access, and the last time they accessed it.



Track the Execution of Day-2 Actions on Live Environments

Users can see all actions executed via Torque Workflows, including details on whether the action was executed successfully, the user who executed it, and the resources affected.



Approval Workflows for Out-of-Band Infrastructure

Torque triggers automated approval requests for infrastructure deployments that violate policies and provides a holistic view of all requests, including the user who attempted to initiate the deployment and the approver who owns it.



Mapping IaC to Active Environments

Torque shows how any IaC resource in the user's repository is used in active environments, as well as recently terminated environments and blueprints defining environments, so users can understand the impact of IaC updates proactively.



Compliance Logging

Torque maintains a log of activities, changes, and environment data, supporting compliance and security.





Configuration Drift Detection and Remediation

Torque monitors IaC definitions against deployed environments and notifies users about configuration drift automatically.



Automated Cloud Cost Policy Enforcement

Torque automatically denies any attempt to provision a resource that violates custom policies for cloud cost efficiency, including cloud platforms, instance size, region, and expected runtime.



Contextual Cloud Cost Reporting

Torque calculates the cloud cost of all resources deployed and provides in-depth reports on costs by cloud platforms, accounts, environments, teams, and users responsible.



Anomaly Detection

Torque monitors for unusual patterns in AI workloads, alerting teams to unexpected spikes or long runtimes.



Automated Cloud Cost Savings Recommendations

Torque automatically recognizes idle cloud resources and calculates the costs of terminating them so users can prioritize and act on their biggest cost-savings opportunities in real-time.



AI Workload Management

Torque's AI-specific optimization capabilities provide efficient resource management for AI operations.

Summary

Torque Operate simplifies and automates actions to maintain cloud infrastructure and environments, eliminating manual tasks and enhancing visibility to drive performance, reliability, and cost efficiency at scale.