Turbonomic Application Resource Management for AWS

Your Cloud Deserves Performance-First Optimization

Don't suffer cost overruns trying to assure the performance of your applications. Turbonomic Application Resource Management (ARM) controls cloud complexity, managing EC2 instances, RDS Databases, Autoscaling Groups, and containers (EKS or native K8s) for you. The software continuously generates scaling, delete, and reservation purchasing actions based on real-time resource consumption. You will actually pay for what you need, not just what you allocate.

Multi-Resource Analysis

Applications need multiple resources to perform. So don't settle for one-dimensional threshold tools that force you to choose cost *or* CPU *or* Memory, etc. Turbonomic ARM analysis accounts for all the resources a workload requires, it is continuously aware of new instance types and price reductions as soon as they become available, it understands all EC2 Instance type requirements, including ENA and NVMe drivers prechecks, and instances' EBS volumes are optimized to the best tier based on observed IOPS.

Getting Started is Easy

Turbonomic ARM is entirely agentless and can be deployed in minutes from the AWS Marketplace, on-premises, or utilized as a fully-managed SaaS offering. Within an hour, you'll see cloud optimization actions for your environment.

Why ARM?

Only ARM simultaneously assures performance, minimizes cost, and maintains compliance.

AI-driven software makes resource decisions 24/7.

Preventative, NOT reactive. Actions can be fully automated.

People are freed from laborious monitoring, thresholds, and policy setting.

aws partner network
Advanced Technology Partner

For More Information, Please Visit
https://www.turbonomic.com/solutions/application-driven-cloud-optimization/

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Automation You Can Control

- ARM was built to be automated, but how and when you automate is up to you.
- Actions can be taken manually (one click), scheduled, executed as part of an approval workflow or in real time.

Advanced RI Analytics

- Increase your RI Coverage with RI purchases that factor resource utilization.
- Maximize RI utilization with automated RI-aware scaling.
- Optimize your EC2 estate before making AWS Savings Plans purchases.

App-Driven Cloud Optimization

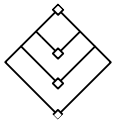
- Integrates with leading APM tools: AppDynamics, New Relic, Dynatrace, Microsoft Application Insights, and Datadog.
- Uses application metrics (ex. heap size, response time) to make smarter optimization decisions.
- Its complete visibility into the application stack unites App owners and Cloud operations teams.
- Don't have APM? Turbonomic ARM can use Prometheus to get the metrics that matter to you.

Advanced Cloud Migration Modeling

- Cloud migration modeling analyzes your on-prem estate, including compute, storage and network utilization.
- Consumption-based plans tell you exactly what you need to purchase in the cloud.
- Results include optimized instance type, EBS storage tier selection based on observed IOPS, and Reserved Instances (RIs) purchasing recommendations for steady-state instances.

Turbonomic ARM Difference

Application-driven. Uses application demand as the driver for making resource decisions.



Top-down. Continuously matches application resource demands to underlying supply of infrastructure.

AI-powered. Software makes the application resourcing decisions for you, automatically.

Full-stack visibility. Understands the relationships between applications, services, containers, pods, nodes/VMs, hosts, storage, and network.

Agentless, auto-discovery. Lightweight virtual appliance discovers your applications and infrastructure in under an hour.

Cloud & infrastructure agnostic. Supports all major hypervisors, AWS, Azure, as well as all upstream versions of Kubernetes anywhere, including OpenShift, Azure AKS, Amazon EKS, and Google GKE.

About Turbonomic, an IBM Company

Turbonomic, an IBM Company, provides Application Resource Management (ARM) software used by customers to assure application performance* and governance by dynamically resourcing applications across hybrid and multicloud environments. Turbonomic Network Performance Management (NPM) provides modern monitoring and analytics solutions to help assure continuous network performance at scale across multivendor networks for enterprises, carriers and managed services providers.

For further information, please visit www.turbonomic.com

*www.turbonomic.com/resources/case-studies