**IBM Turbonomic**

for Amazon Web Services

**Cloud optimization you can continuously automate to prevent performance risk and cost overruns.**

Software (not people) continuously makes complex resourcing decisions to ensure all applications get exactly what they need to perform.

**Improve application performance**

**Increase IT productivity**

**33%** Reduction in cloud spend due to dynamic scaling and rightsizing

**Accelerate safe cloud migrations & adoption of PaaS Services**
Optimize on-prem workloads first, assess proper cloud consumption, then maintain optimal operation in AWS

**Unlock cloud elasticity with continuous optimization**
Automate application resourcing across compute, storage, DBaaS, and Kubernetes.

**Environmental Sustainability**
Optimizing application resource consumption either in the datacenter, the public cloud, or both, improves an organization’s long-term energy consumption profile.

**Connect cloud optimization to the end-user experience**
App Owners and the LOB can see exactly how dynamic resourcing ensures great end-user experience.

Explore live sandbox environment at [Ibm.com/products/turbonomic](http://Ibm.com/products/turbonomic)

Unlock application, cloud native, and cloud elasticity anywhere

Our app-first, full-stack solution integrates with a wide range of platforms to unlock elasticity.

1Forrester Total Economic Impact of IBM Turbonomic Application Resource Management
Unified platform delivers optimization across all app resources.

**Elastic Compute (EC2)**
Automatically determines the correct EC2 instance type for cloud application workloads, accounting for the following with every compute scaling decision:

- VCPU
- VMem
- Network & Storage IO
- Throughput
- RI Inventory
- Pricing/Discounts
- Disk count, quota, available region capacity, and more

The only solution that simultaneously considers IOPs, RIs, and discounts.

**Full-stack visibility includes Graviton support!**

**Elastic Block Storage (EBS)**
Considers IOPS and throughput, to determine when you need to:

- Scale between cloud tiers for performance (IOPS, throughput) and cost
- Size up volumes for performance (IOPS, throughput)
- Modify capacity of IOPS & throughput limit for IOPS limits for EBS io1 & io2.

Increase volume sizes to improve performance. Identify & delete unattached volumes. Always, use exactly what you need.

**Relational Database Service (RDS)**
Considers storage & compute when generating RDS scaling actions. Continuously analyzes vCPU, vMem, DB Cache Hit Rate, Storage Amount, & IOPS, generating specific scale up / down actions, which include changes in:

- The compute tier
- The storage tier
- The storage amount
- The provisioned IOPS (for the io1 storage type)
- Or a combination of actions

Supports:
- Amazon Aurora
- MySQL
- Maria DB
- PostgreSQL
- Oracle
- Microsoft SQL Server

**Reserved Instances**
Delivers RI-aware scaling and purchase recommendations.

**RI-aware EC2 scaling actions** increase existing RI inventory utilization.

**Demand-based RI purchasing actions** maximize reservation-to-VM coverage.

**Elastic Kubernetes Service (EKS)**
Continuously optimizes for performance and cost via container rightsizing, pod moves, cluster scaling, and planning.

- Automate resourcing to assure application performance while minimizing cost
- Understand costs associated with your EKS clusters (and execute actions to minimize it)
- Confidently suspend unneeded nodes
- Scale responsibly (and support environmental sustainability!)

**Operationalize automation for real business outcomes**

Only Turbonomic provides specific actions that prevent performance risk and cloud waste. Automation at scale necessitates a proactive approach. Integrate with any pipeline, IaC, ITSM, or communication tool in your organization!

- Ansible
- GitHub
- GitLab
- Jenkins

**AWS Competencies**

- Migration & Modernization Competency
- Cloud Management Tools Competency
- Microsoft Workloads Competency

Available on the AWS Marketplace!

For more information check out [Ibm.com/products/turbonomic](Ibm.com/products/turbonomic)