

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 ¹

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

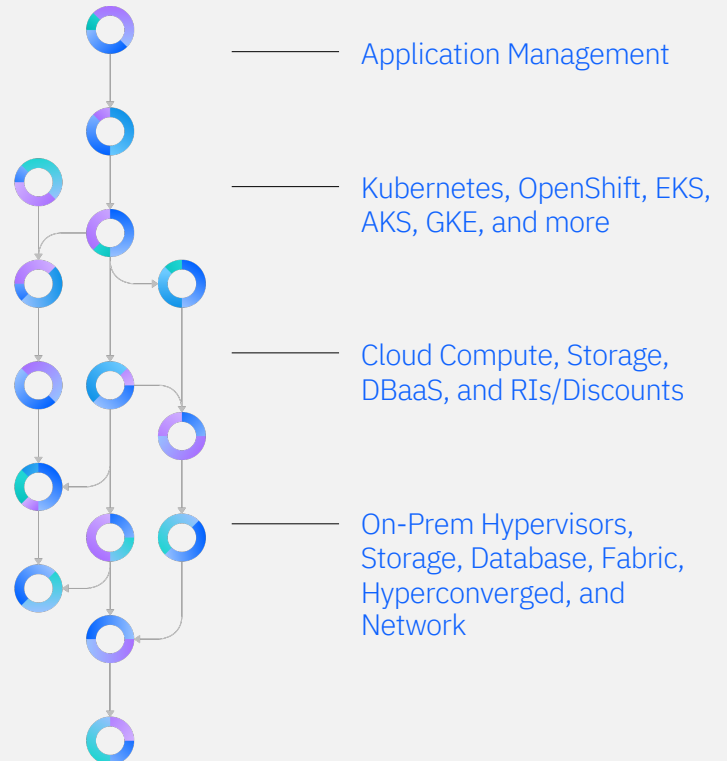
App Owners and the LOB can see exactly how dynamic resourcing ensures great end-user experience.



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