IBM Turbonomic for Microsoft Azure

Achieve Azure cost optimization while preserving application performance

Highlights

Provide the optimal Azure VM workload for performance

Automate RI management to maximize cost efficiency

Simplify cloud migration with the intuitive planning option

Optimize Kubernetes performance and reduce cost

As businesses embark on their cloud journey, the goal is often twofold: unlock scalability and keep costs within budget. For many, however, the promise of agility and elasticity is hindered by a lack of insight into what is needed from an application resourcing perspective. This challenge leads to poor performance and bills that exceed budget.

IBM® Turbonomic® continuously generates actions that optimize Azure VMs, databases and disks based on real-time demand. Its prescribed actions help ensure performance while minimizing cost. Additionally, the platform manages your reserved instances (RIs) inventory and directs actions that maximize RI utilization and coverage through the lens of application performance.

Benefits

RI management
Turbonomic offers a comprehensive, end-to-end view of your applications and infrastructure stack in the public cloud and the data center. You gain real-time insights into the health and performance of applications to identify underutilized resources. This approach helps you rightsize instances and use RIs to facilitate application performance while minimizing costs.

Azure VM workload
The Turbonomic platform integrates with Microsoft Azure through an Azure service principal and uses Azure Resource Manager to gather data for instant analysis. Turbonomic then uses AI-based insights to continuously generate actions that optimize Azure VMs, databases and disks based on real-time demand. Its prescribed actions help ensure performance while minimizing cost.

Migration planning
Turbonomic helps model and compare the performance and cost implications of both lift-and-shift and optimized migration plans. It maps existing workloads to fit Azure VMs and disk types, which are then optimized. This method accelerates workloads onto Azure through scalable, repeatable processes for future workload migrations and cloud consolidations.

Kubernetes performance and cost
Turbonomic automatically discovers and maps interdependencies between Azure Kubernetes Service, containers, specs, pods, workload controllers, namespaces, clusters and virtual machines. It also continuously optimizes Kubernetes performance and cost.

Conclusion
Turbonomic, when integrated with Azure, helps you efficiently use resources without overprovisioning. You benefit from lower cloud costs and higher ROI with optimal app performance.

Why IBM
IT automation solutions from IBM help ensure that the applications and infrastructure businesses you depend on are always on and optimally performing to reduce costs, drive outcomes and protect brand value.

To learn more, contact your IBM representative or IBM Business Partner, or visit ibm.com/turbonomic

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