

Unlock true performance with IBM Turbonomic® GPU optimization

Maximize GPU efficiency on-prem and in the cloud

As the demand for advanced graphics processing units (GPU) grows to support machine learning, AI, video streaming and 3D visualization, it's critical for organizations to maximize efficiency while safeguarding performance. With IBM Turbonomic®, you can optimize GPU workloads and promote maximum efficiency while reducing cost without sacrificing performance.

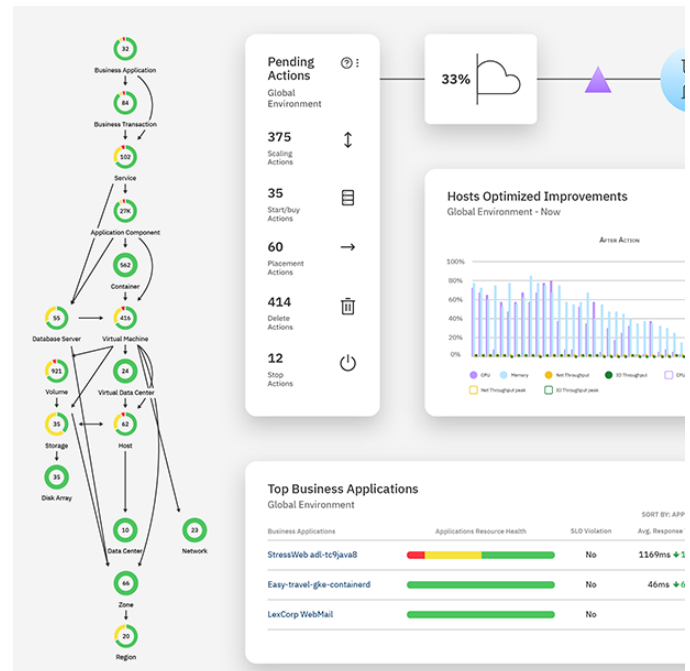
The Turbonomic commitment to improving GPU performance includes 3 types of optimization features:

Data center GPUs

Turbonomic uses dynamic intelligent analytics to automate CPU, memory, network, storage, and GPU aware placement. This capability allows the utilization of NVIDIA GPUs to ensure the performance of those applications requiring GPUs.

Public cloud GPUs

With dynamic smart analytics, Turbonomic considers the trade-offs of GPU resources needed to assure application performance for GPU intensive workloads while identifying cost savings. Turbonomic now discovers NVIDIA GPU metrics for supported AWS EC2 and Azure VM instance types and uses GPU metrics to generate VM scale actions. Currently, Turbonomic supports P2, P3, P3dn, G3, G4dn, G5, and G5g instance types with Linux



AMIs in AWS and NC A100 v4, NCads H100 v5, NCasT4 v3, NC v3, ND v2, NVadsA10 v5, NV v3 instance types with Linux OS in Azure...Google Cloud GPU instance type support coming soon!

Kubernetes and Red Hat OpenShift genAI workloads

Turbonomic scales generative AI LLM Inference workloads to meet Service Level Objectives (SLOs) based on multiple GPU Key Performance Indicators (KPIs). By running at the right time with the correct number of replicas, applications meet operational performance standards while maximizing GPU processing resources and cost-efficiency.

IBM Turbonomic is a performance and cost optimization platform for public, private, and hybrid clouds to optimize application performance while eliminating inefficiencies by dynamically resourcing applications through automated actions.

Embrace the power of Turbonomic and improve application performance while reducing cost.

[Learn more.](#)

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