

Turbonomic Application Resource Management for OpenShift

Continuously Assure Cloud Native Application Performance

You've built your next generation of modern applications on Red Hat OpenShift. Now you want to scale your innovation-first strategy across the organization. More cloud native and containerized applications, more Dev teams to support—it's mission-critical and it's complex. How do you ensure that your applications always perform at the lowest cost, while staying compliant? You don't. You let software do it.

Yesterday's tools cannot assure performance.

Monitoring is reactive. Scripting, setting policies, and defining thresholds are a lot of work. Different dashboards for different teams create silos. These disconnected point solutions do not reflect the very connected resource dependencies within the application stack.

ARM solves the dynamic resourcing problem.

Turbonomic Application Resource Management (ARM) automatically ensures applications get the resources they need to perform.

Stitch the Stack

Full-Stack Visibility Unites Teams



Full-stack stitching of applications, services, containers, pods, nodes/VMs, hosts, storage, and network.

ARM provides a common context for AppDev, DevOps, SRE, Operations, and Executive teams.

Operational Excellence

Multicluster Multitenancy Made Easy



Performance without over-provisioning. Ops can easily view namespace utilization and health across clusters.

End over-provisioning that puts performance at risk. No need for Devs to guess at resource allocation.



OpenShift Container Platform



Why ARM?

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

AI-driven software makes resource decisions 24/7.

Preventative, NOT reactive.

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

Digital Transformation

AI-Powered DevOps Performance

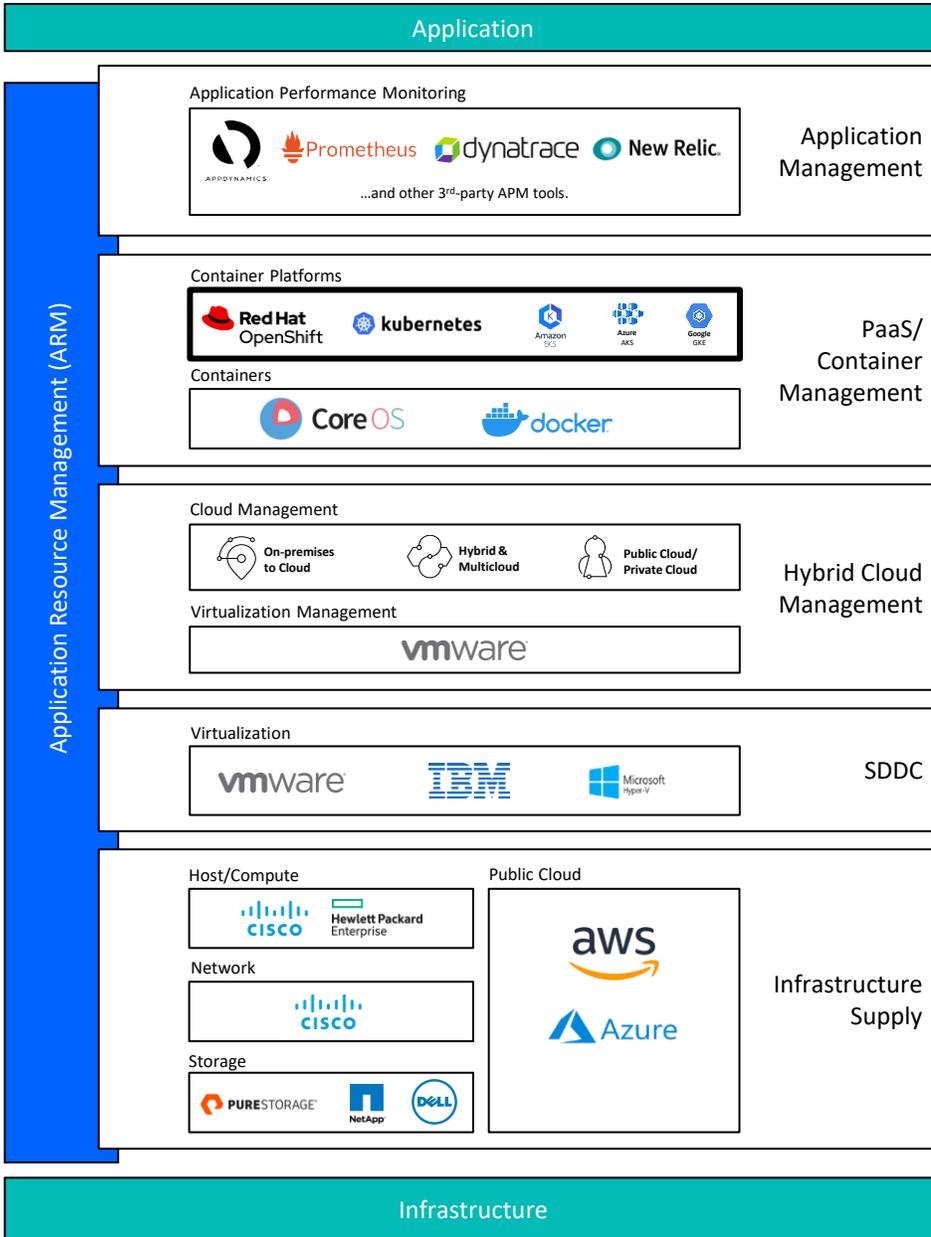


Assure performance and increase velocity with seamless integration with DevOps workflows.

Persist ARM intelligence into container deployments – services always get the resources they need to perform.

Full-Stack Visibility & Control

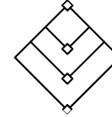
Turbonomic ARM discovers your applications, container platforms, infrastructure, and utilization metrics, stitching everything together for a complete understanding of the application stack. The software continuously makes the right resource decisions to prevent congestion and generates automatable actions that can be taken manually (one click), scheduled, executed as part of an approval workflow or in real time.



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 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