Turbonomic Application Resource Management

Application complexity is exploding.

Applications power your business. They are dynamic, distributed, and exploding in complexity. Cloud native, containers, and microservices may make them easier to develop, but it also makes them harder to manage. 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, no matter where they run or or how they are architected.

Why ARM?

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

AI-driven software makes resource decisions 24/7.

Preventative, NOT reactive. Actions can be fully automated.

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

Always-On Apps

Deliver Superior Customer Experiences

Integrates with APM tools to proactively improve response times & meet SLOs.

Unified platform provides end-to-end performance visibility for AppDev, SRE, DevOps, Ops, and CXOs.

Operational Excellence

Control Cloud Native & Multicloud Complexity

Assures performance and drives elasticity on Red Hat OpenShift, AWS, Azure, any upstream K8s, and all major hypervisors.

ARM simplifies multitenant, multi-cluster management.

Digital Transformation

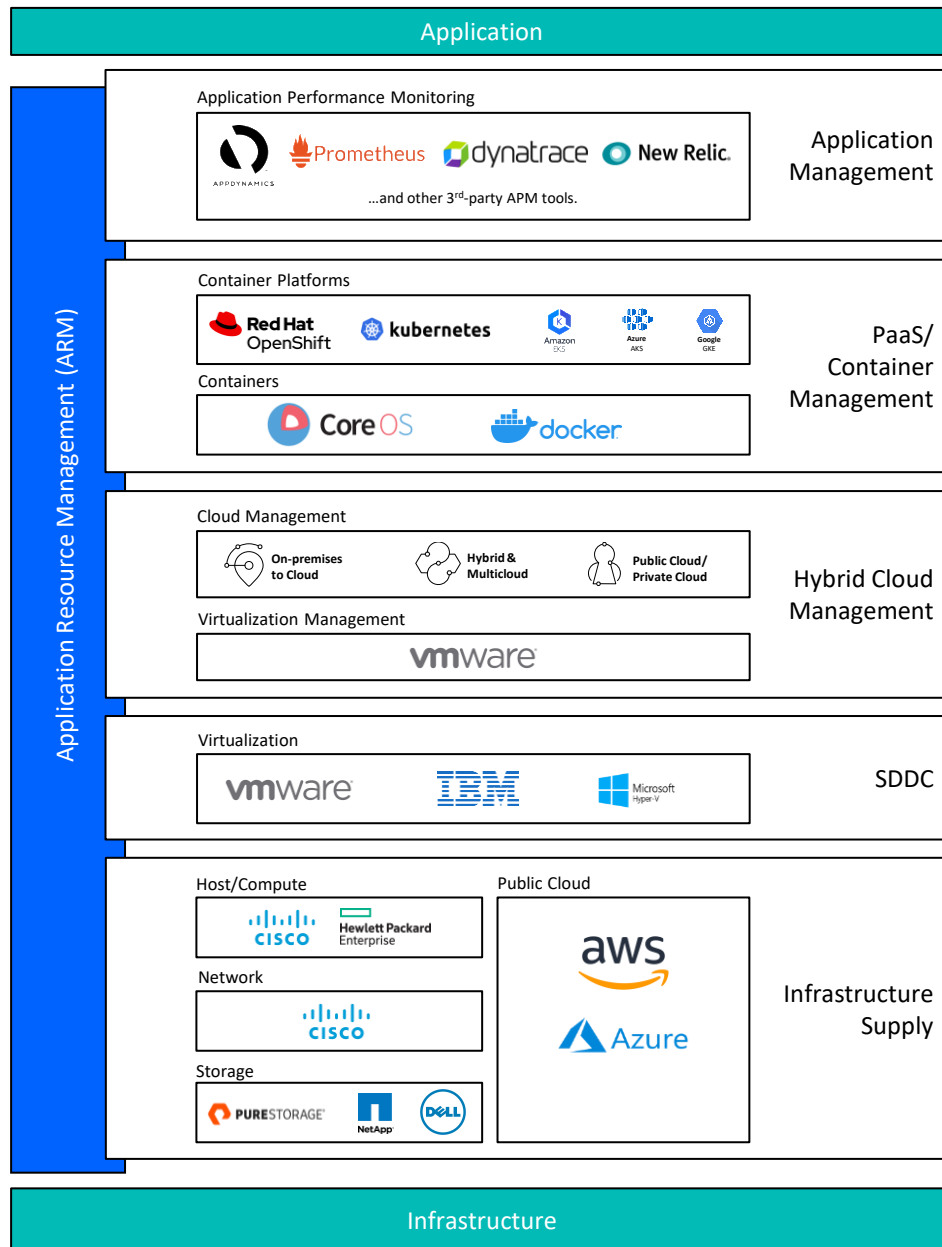**Faster Adoption of Innovation-First Platforms**

New and existing services always perform, no matter how frequently Dev deploys. ARM intelligence integrates with DevOps workflows

Easily plan for growth with ARM capacity management

For More Information, Please Visit
www.turbonomic.com

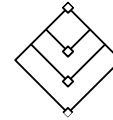## Visibility & Control Across the Application Stack

Turbonomic ARM discovers your applications, infrastructure, and utilization metrics, stitching everything together for a complete understanding of the application stack. The software provides specific automatable actions, such as sizing, placement, scaling, and more, which ensure that your applications always get exactly the resources they need to perform.

Application

Application Resource Management (ARM)

Application Performance Monitoring

APPDYNAMICS · Prometheus · dynatrace · New Relic.

…and other 3rd-party APM tools.

Application Management

Container Platforms

Red Hat OpenShift · kubernetes · Amazon EKS · Azure AKS · Google GKE

Containers

Core OS · docker

PaaS/ Container Management

Cloud Management

On-premises to Cloud · Hybrid & Multicloud · Public Cloud/ Private Cloud

Virtualization Management

vmware

Hybrid Cloud Management

Virtualization

vmware · IBM · Microsoft Hyper-V

SDDC

Host/Compute

CISCO · Hewlett Packard Enterprise

Network

CISCO

Storage

PURESTORAGE · NetApp · DELL

Public Cloud

aws · Azure

Infrastructure Supply

Infrastructure

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