

Manage Kubernetes at Scale with IBM and Turbonomic

Introductions



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Overview of Cloud Pak for MultiCloud Management What is IBM ARM and what problem does it solve? Demo Q&A

Organizations are Modernizing their approach to Hybrid Cloud Management

Hybrid Management Platform – Cloud Pak for Multicloud Management

Modernize Infrastructure

From traditional environments to Cloud Native readiness

Manage Hybrid Applications

Unified management across deployments and clouds

Automate Intelligent Cloud Operations

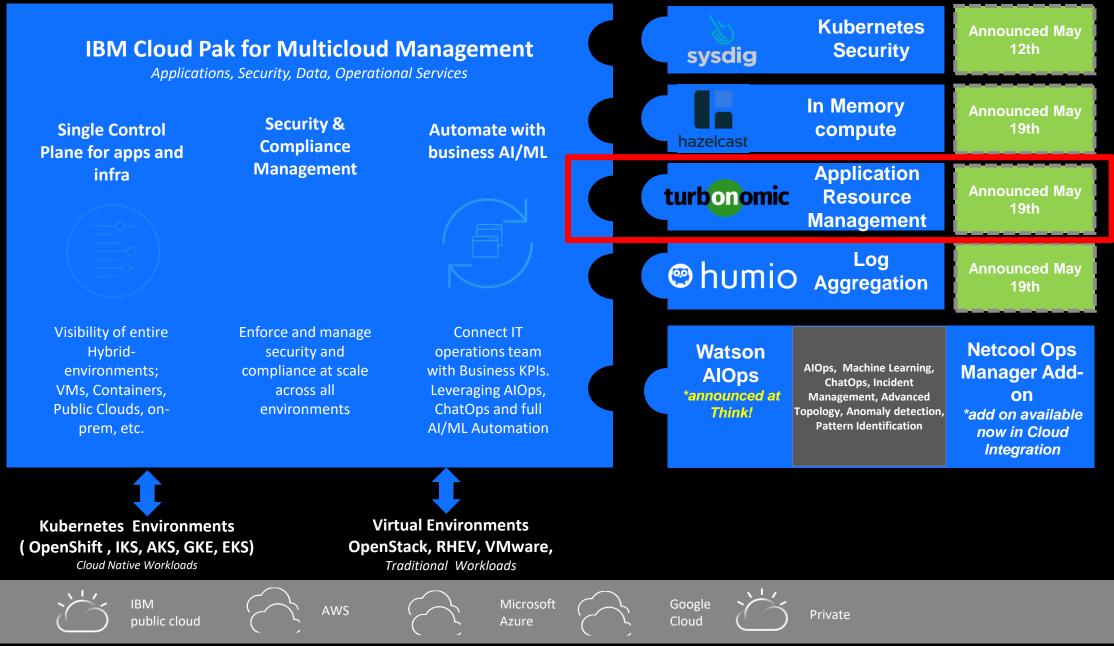
AI drives intelligence into DevSecOps

Right now, 500 Million new logical apps are being created, equal to the number built over the past 40 years

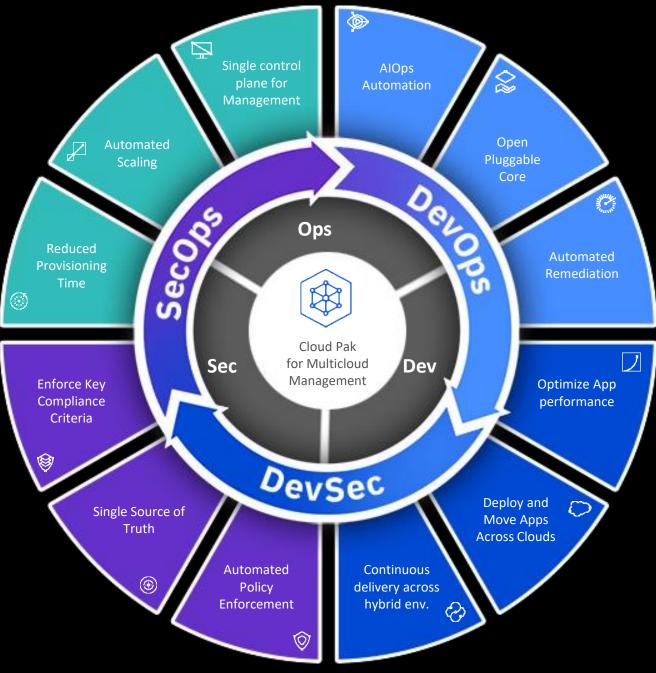
70% of enterprises will deploy management tools to integrate clouds

Organizations report fixing incidents up to 50% faster with AIOps

Extensive Ecosystem Expands Capabilities



Cloud Pak for Multicloud Management + Application Resource Management



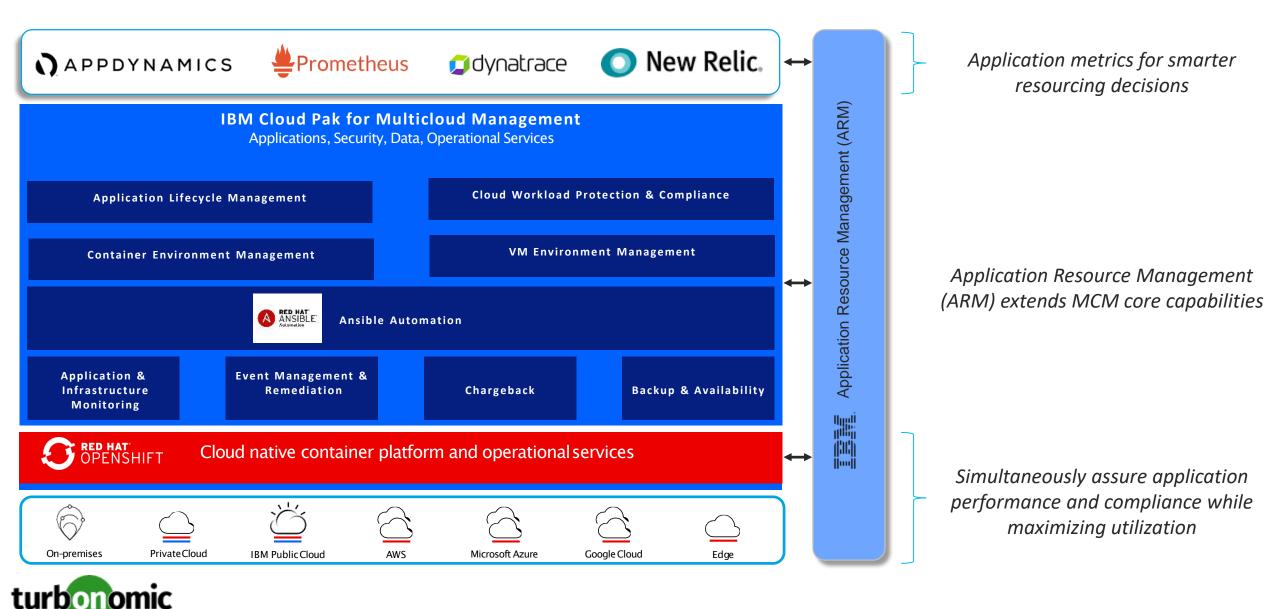


IBM Cloud Pak for Multicloud Management with Turbonomic Application Resource Management (ARM) capability is the only enterprise-ready, containerized software management solution.

This solution ensures applications get the resources needed to deliver on their service level agreement while maintaining compliance to business policies in a cost-effective manner.

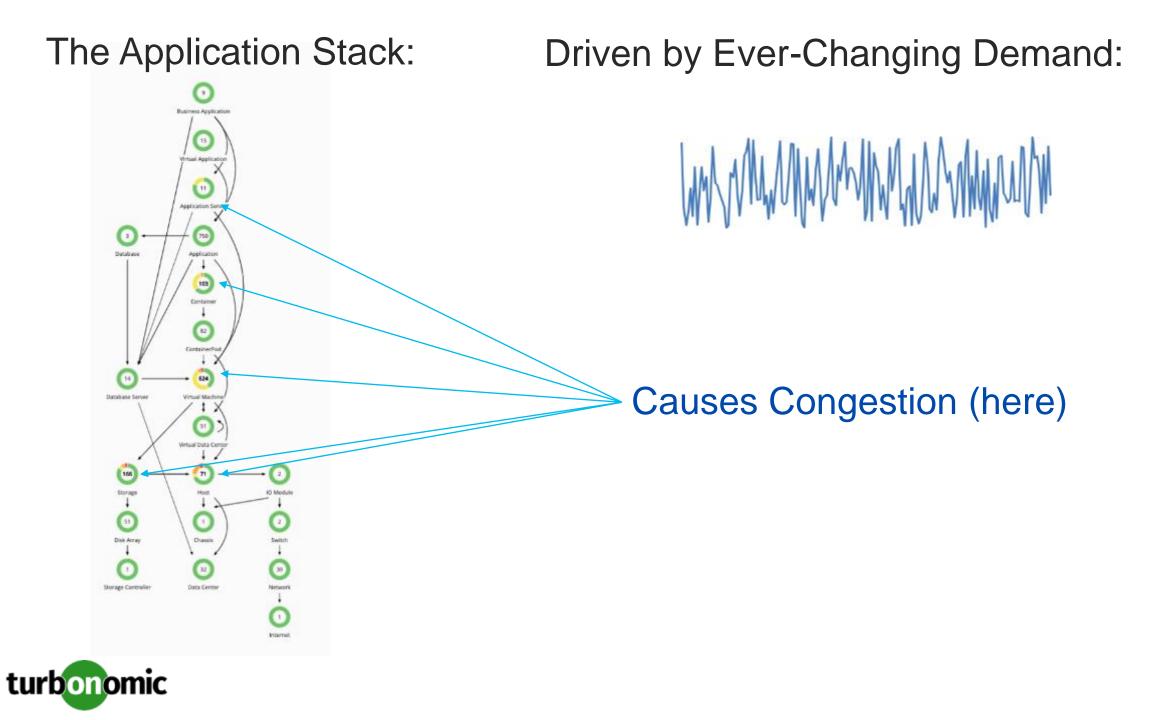
- Prevent resource congestion and noisy neighbor impacts by automatic pod rescheduling to assure performance
- Meet dynamic application demands by continuously scaling with intelligent clusters meeting resource needs while maintaining cost controls.
- Enable a single control plane (single trusted source) to accelerate time to market by unifying AppOps, DevOps, SecOps, and ITOps with fullstack insight, control and automation, freeing up critical resources to solve your business's hardest problems.

Extending CP4MCM and OpenShift to Automate Performance



Agenda

What is IBM ARM and what problem does it solve?



The Result:





Congestion

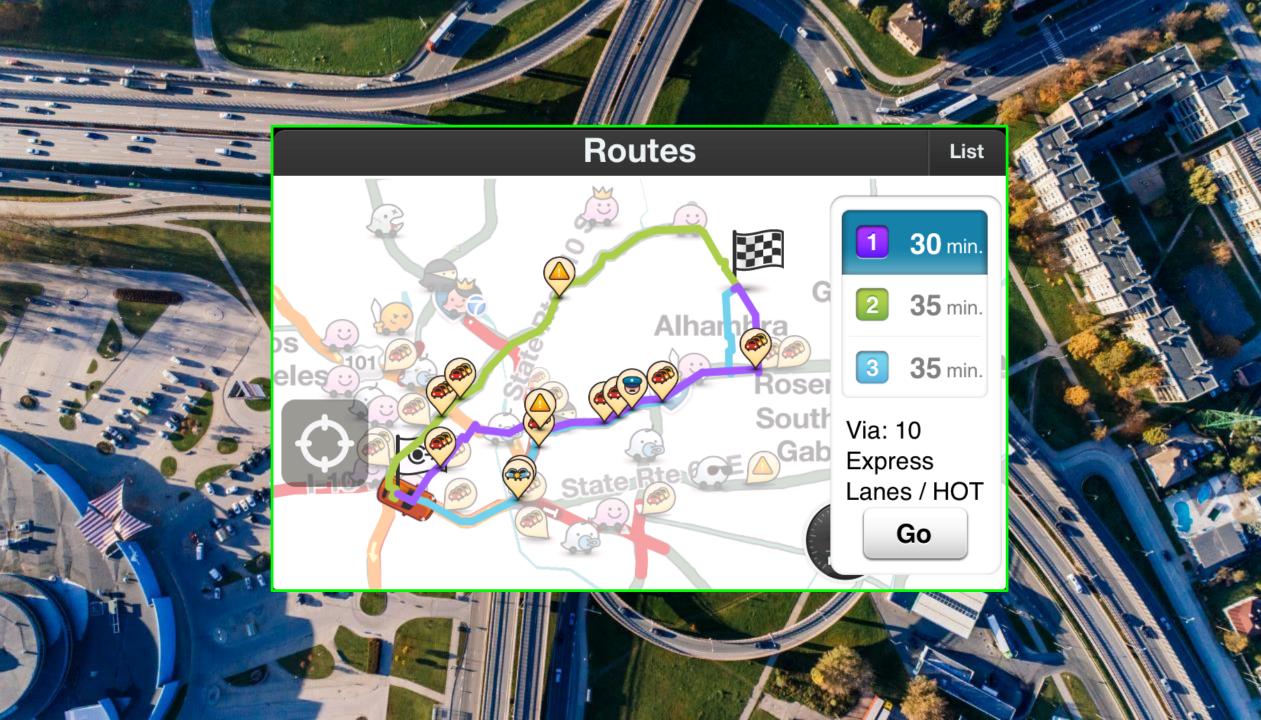
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Overprovisioning ...is far too costly

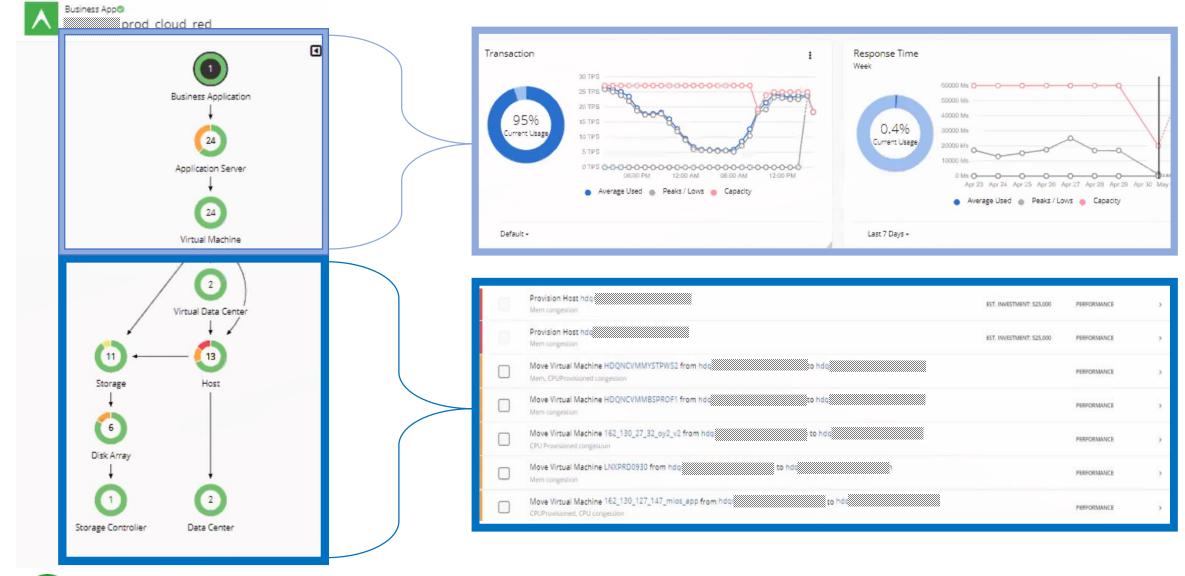
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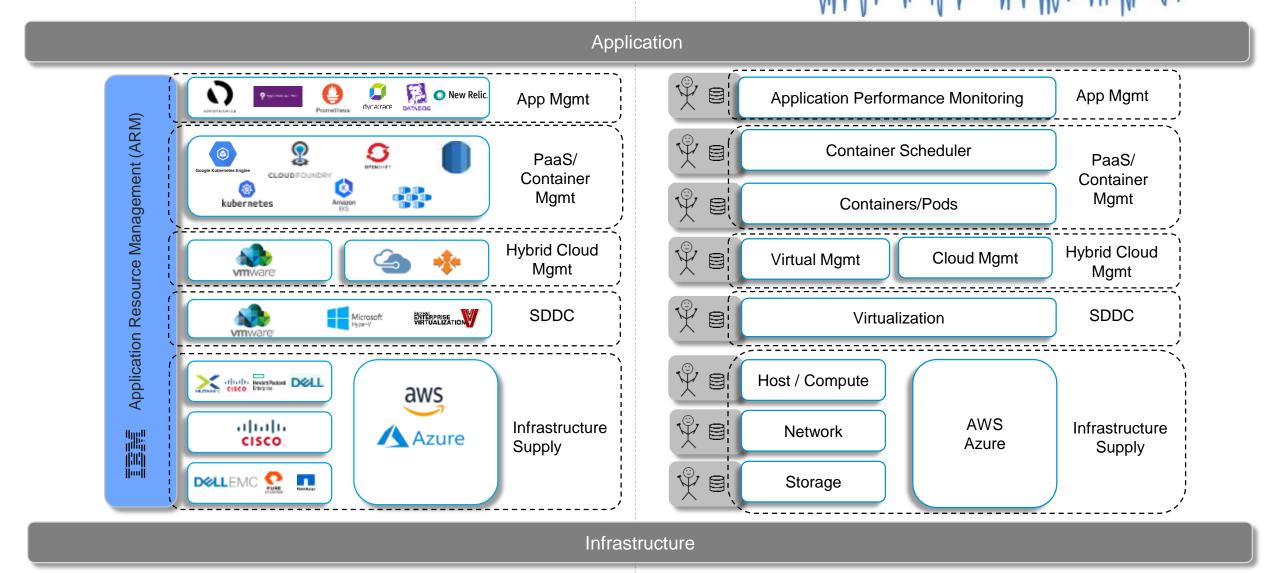
Application Supply Chain

Application Utilization Visibility of response time (ms) and transactions (per second)

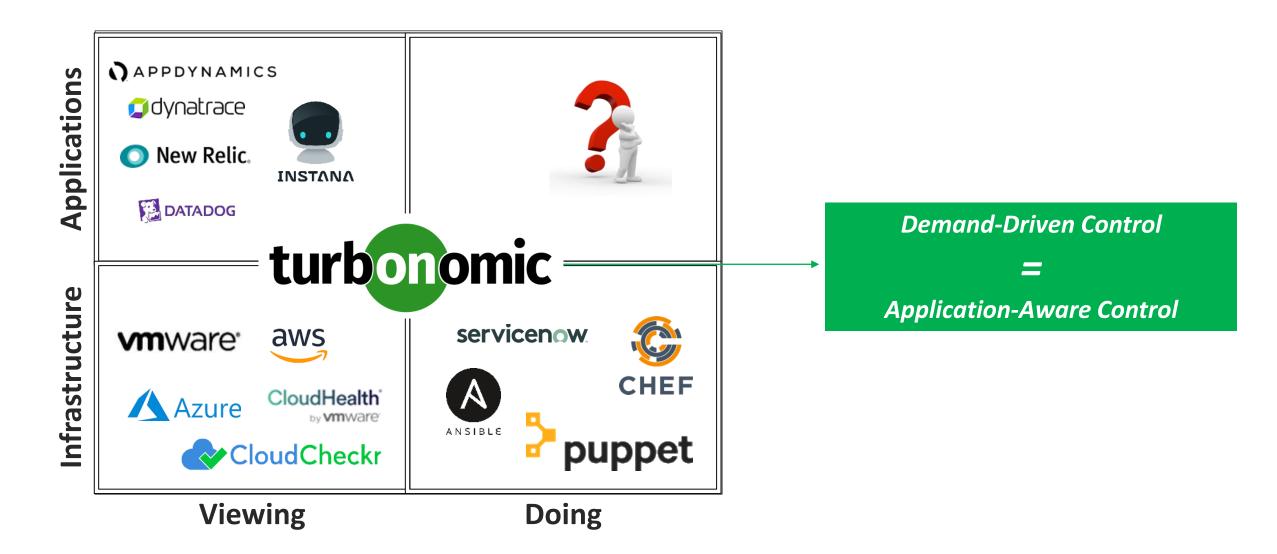


turbonomic

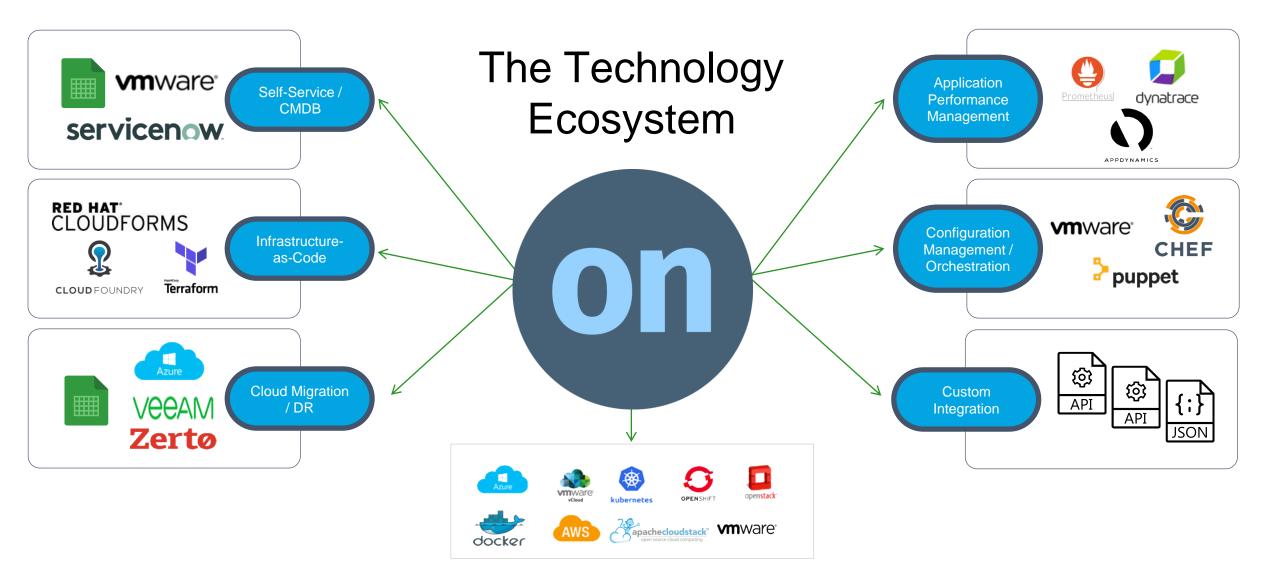
Application Resource Management



The Technology Landscape



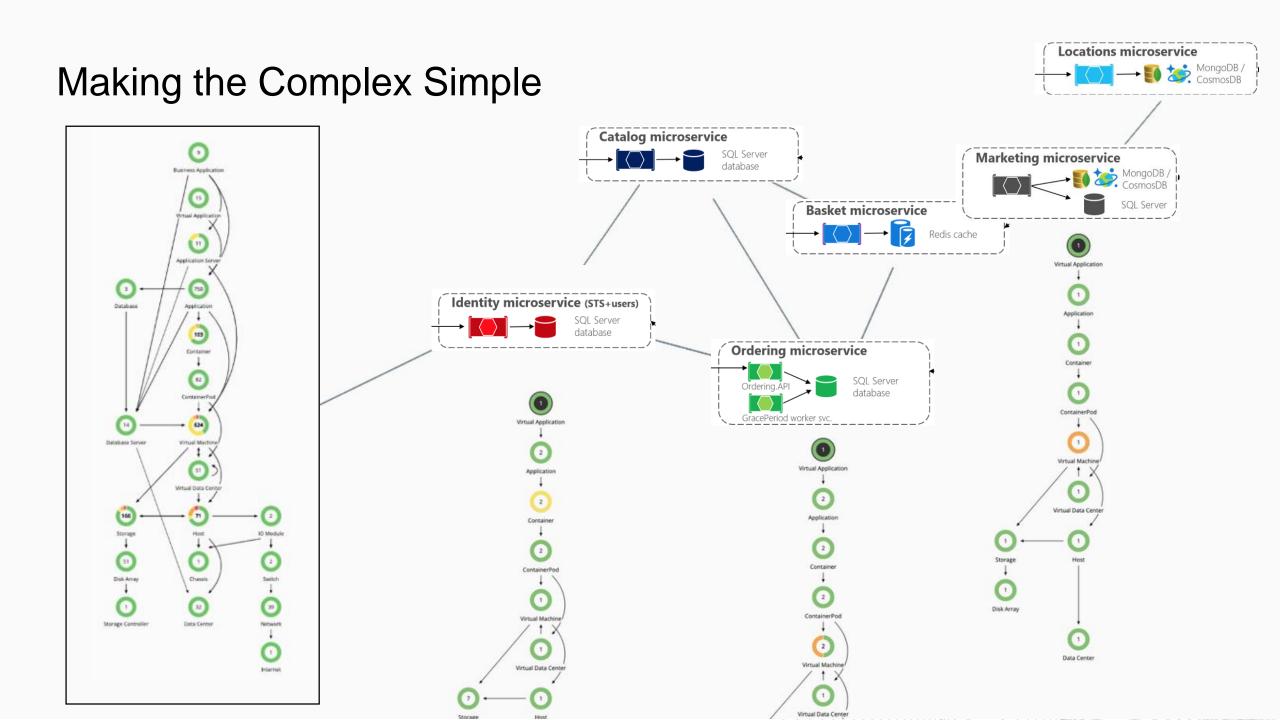
The Technology Ecosystem



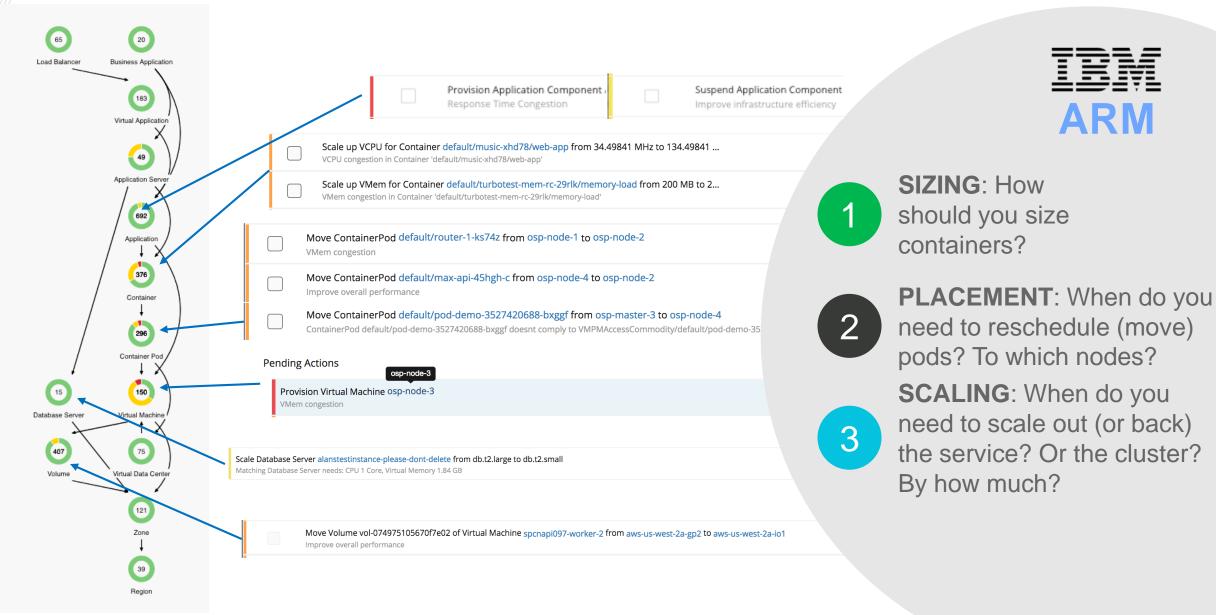
Agenda

IBM ARM for Cloud Native Workloads

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The right resource decisions for every layer of the stack.



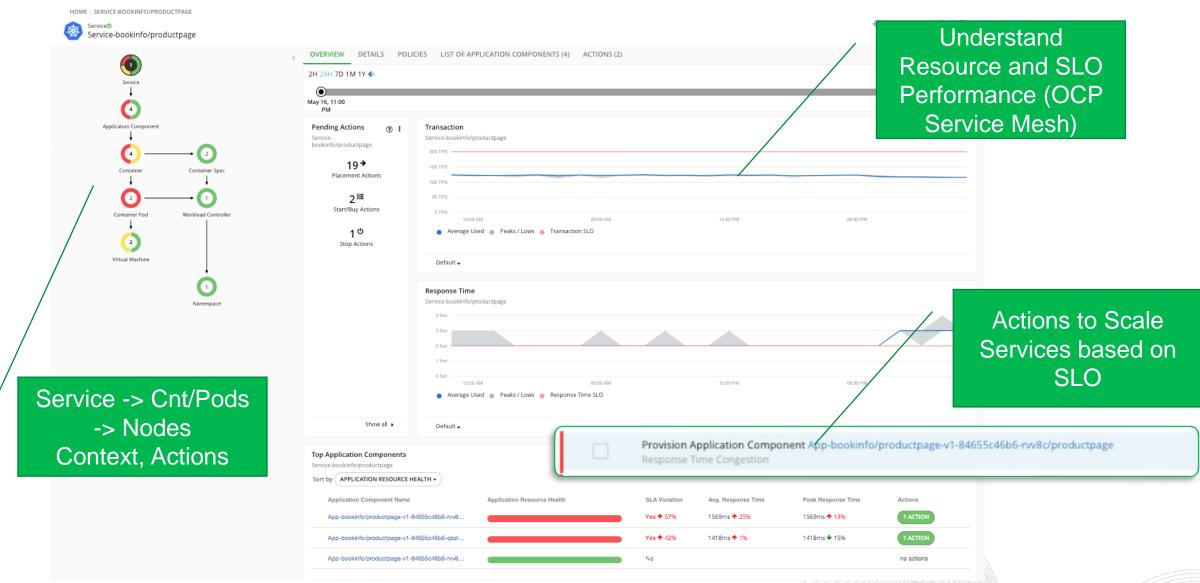




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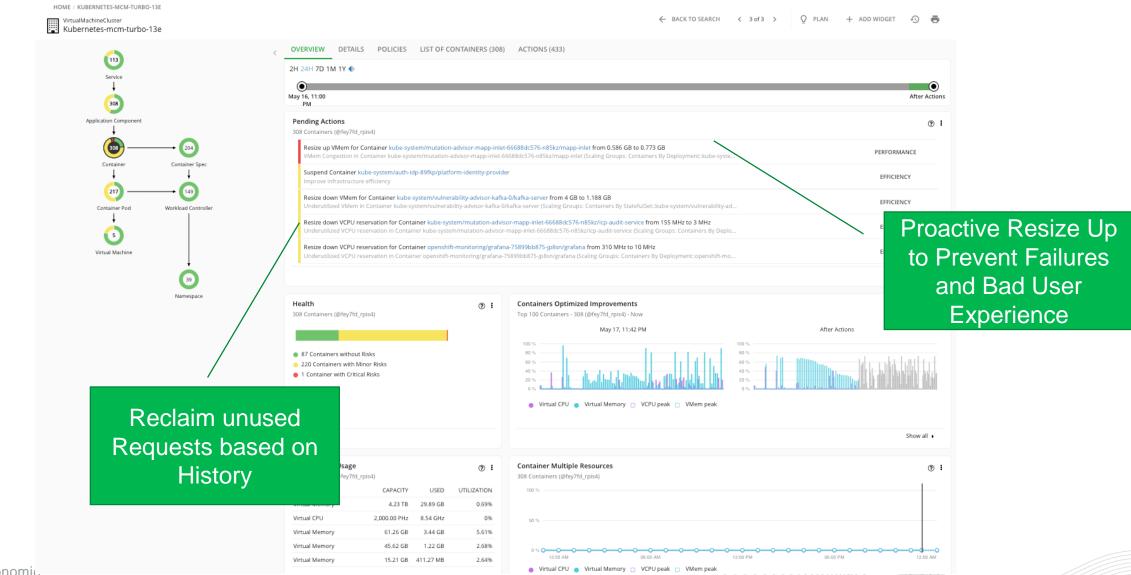


App Owner: Service Scaling to Meet SLOs

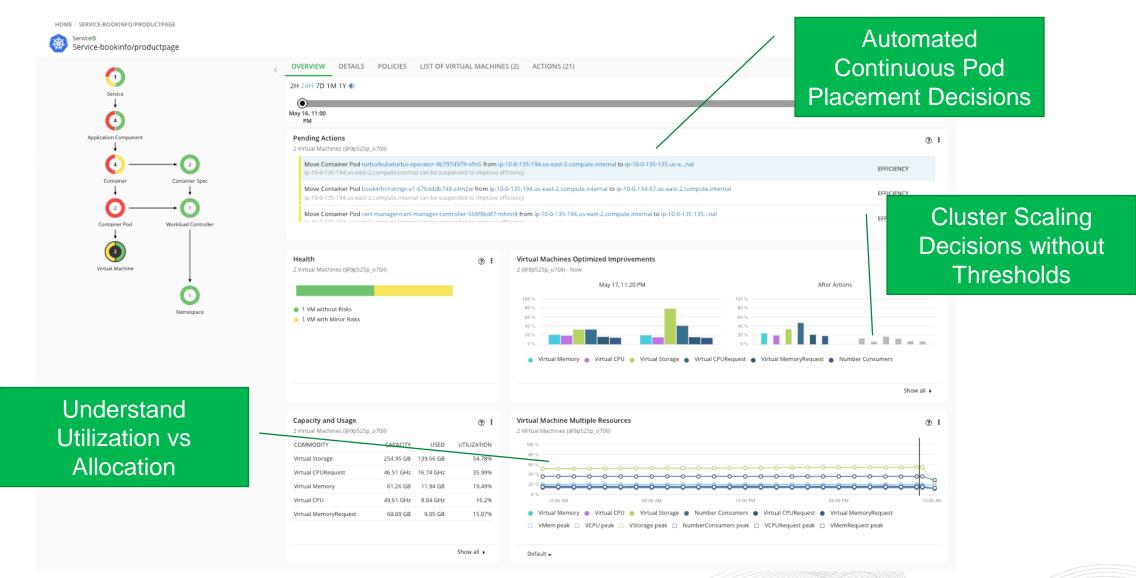


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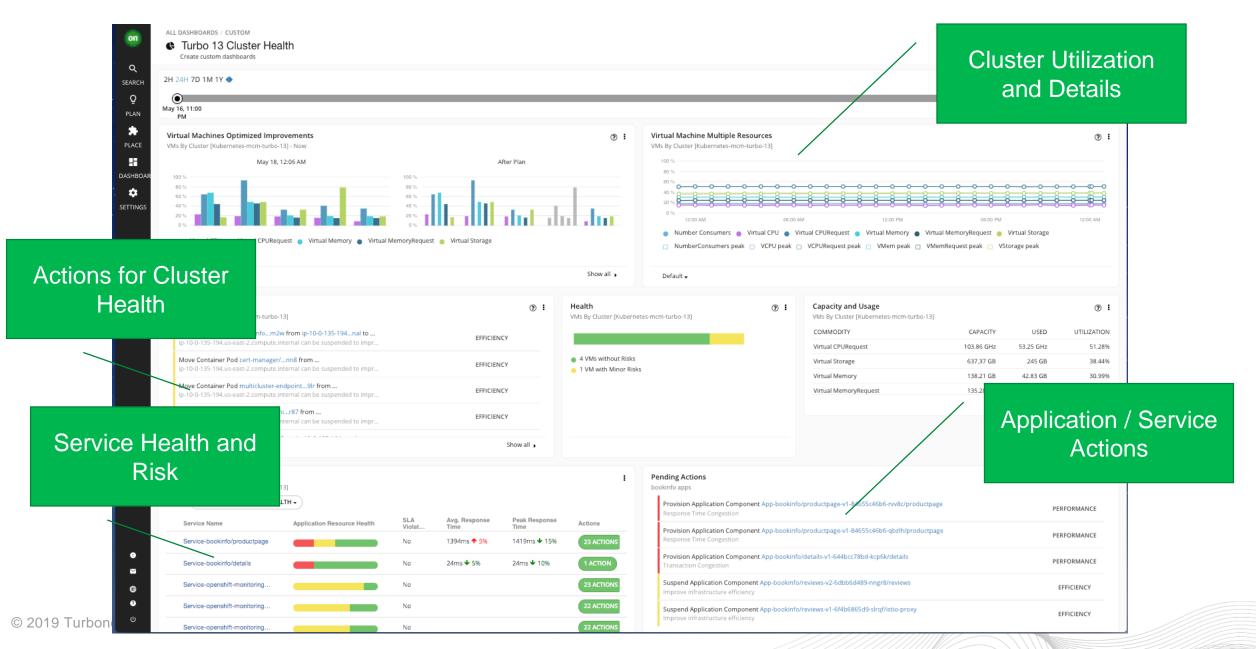
App Owner & DevOps: Unlock Fragmented Resources and Performance Risks



Dev Ops: Manage Node Resources for Service Performance & Cluster Efficiency



DevOps Cluster and Service Health: Actions, Data with Context



Application Resource Management -> Full Stack & Multicloud

