turbonomic

FAST FACTS

Company:
Turbonomic

Contact:
sales@turbonomic.com

Website:
www.turbonomic.com

Company Description
Launched in 2010, Turbonomic delivers a hybrid cloud management platform that enables OpenShift deployments to self-manage in real-time, thereby assuring performance, lowering cost, and continuously ensuring compliance. Its patented decision engine matches workload demand to infrastructure supply, maintaining perpetual health in container platforms and cloud infrastructure. One of the fastest growing technology companies, Turbonomic is trusted by more than 1,700 customers to activate their hybrid cloud journey.

Product Profile
Turbonomic is the Hybrid Cloud Management Platform that continuously analyzes application consumption, costs and compliance constraints and automatically allocates resources in real-time. It assures application performance by giving workloads the resources they need when they need them.

redhat. **TECHNOLOGY PARTNER**

redhat. ✔ **CERTIFIED TECHNOLOGY**

Overview
One platform to control any workload on any infrastructure, anytime, anywhere.

Executive Summary
With digital business becoming the status quo, many IT organizations are leveraging Red Hat® OpenShift to meet the needs of developers and DevOps teams. But containers and microservices introduce more complexity for Infrastructure and Operations. Today's container platforms and cloud environments are beyond human scale to monitor, analyze and be proactive. Turbonomic has partnered with Red Hat® to provide a self-managing OpenShift solution to IT leaders that want their people out of the business of day-to-day container and cloud infrastructure management—and into the driver's seat of innovation. The platform leverages Red Hat® JBoss® Enterprise Application Platform and Enterpise Linux to deliver a full-stack hybrid cloud management solution for OpenShift.

Statement from Partner
"Working with Red Hat is critical to extending the real-time decision engine of our platform into enterprise container distributions. With our software making the right resource allocation decisions in real time—workloads get what they need when they need it—our customers can scale their OpenShift deployments to meet the needs of the business." – Endre Sara, VP of Advanced Engineering at Turbonomic.

Statement from Red Hat Connect
"Customers are looking to migrate their applications to t he cloud leveraging containers as the deployment model," said Mike Werner, senior director, Global Technology Partners, Red Hat. *"Red Hat container certification assures a supportable and performant platform for all types of customer deployment models. Red Hat is thrilled to work with software partners like Turbonomic, resulting in the world's largest commercial ecosystem for containers."*

Product Benefits

Scale container and cloud infrastructure with a self-managing decision engine that assures performance, while maximizing efficiency and maintaining compliance.

- **Full-stack visibility helps DevOps engineers and Infrastructure teams avoid resource disputes.** Turbonomic provides a single-pane-of-glass of the application and container layers through the infrastructure. It maps the relationships between entities, continuously monitors resource utilization, and understands how workloads dynamically impact one another.

- **Consumption-based resource decisions maximize efficiency in your container platforms.** Turbonomic provides workloads with the resources they need when they need them. Your teams can avoid expensive overprovisioning based on worst-case scenarios, as well as risky resource allocation based on averages.

- **Continuous container and cluster autoscaling frees your DevOps and Infrastructure teams to focus on innovation, not workload management.** Turbonomic continuously auto-scales containers for performance and efficiency. It right-sizes up the resource limits of containers or right-sizes down the resource requests of containers based on real-time consumption. It also auto-scales the underlying cluster to meet the real-time resource needs of the container platform.

- **Intelligent rescheduling optimizes the layout of Pods in the cluster.** Turbonomic will move Pods around when an underlying node's resource is congested, as well as consolidate the workload based on Pod real-time consumption.

Use Cases
Confidently scale Red Hat OpenShift to accelerate digital transformation.

Private Cloud
Fully leverage the elasticity of OpenShift in on-prem environments. With Turbonomic the container platform self-manages to maximize efficiency without risking performance.

Public Cloud
Minimize costs when deploying OpenShift in the cloud. Turbonomic auto-scales containers based on real-time resource consumption, not static allocation policies.

Hybrid Cloud
Maximize scalability in OpenShift hybrid cloud deployments. Turbonomic manages containers and clusters on any infrastructure, on-prem or in the cloud.

For more information, please visit our website at turbonomic.com