



Granulate, an Intel Company

Red Hat Software Partner



Developers and architects looking to build new applications in, and for the cloud, or migrate existing applications to a cloud-based infrastructure, partner with Red Hat to develop and deliver more supportable solutions sooner. Red Hat certification assures a supportable platform for all types of customer deployment models. Red Hat is thrilled to work with software partners like Granulate, resulting in the world's largest open, and commercially supportable application ecosystem.

Mike Werner
Sr. Director, Global Technology Partners, Red Hat.



Technology Partner



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Granulate leverages autonomous, continuous workload optimization to improve application performance and cut costs by up to 63% - with no code changes involved

Executive summary

Granulate, an Intel company, optimizes OS and runtime resource management, resulting in improved performance metrics and reduced compute costs. The technology is fully autonomous, optimizing workloads without requiring engineering and development resources or code changes. Granulate's solution provides AI-driven infrastructure and workload optimization for any computing environment, empowering businesses to reduce cloud, on-prem and hybrid infrastructure expenses by up to 63% and attain a 5X increase in throughput.

Product profile

Granulate is an autonomous, continuous cost and performance optimization solution that allows organizations to handle compute workloads with 60% fewer servers while improving performance by 40% for cost reductions of up to 63% with no code changes or R&D efforts required.

Product benefits

- ▶ **Quick, easy deployment** - In just 2-4 weeks, your business will begin seeing significant, impactful results to both performance and your bottom line
- ▶ **No R&D efforts involved** - With no code changes and minimal participation required, your R&D team will be able to focus on what really matters - your product
- ▶ **Comprehensive optimization** - Optimize beyond traditional solutions subject to high overhead, such as rightsizing and workload performance management, and get results effortlessly.
- ▶ **Past initiative agnostic** - No matter what cost optimization activities you've done in the past, Granulate is guaranteed to optimize further and save more on compute costs.
- ▶ **Sustainability Driven** - By using Granulate, customers can optimize their vCPU per workload, reducing carbon emissions and creating a more sustainable infrastructure.
- ▶ **ROI Positive** - Granulate is always ROI positive and will never require costs that are greater than the savings provided by its optimization capabilities.

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Sr. Director, Global Technology
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Use cases

- ▶ Granulate was built and designed to support auto scaling-based elastic and orchestrated environments, including Red Hat OpenShift.
- ▶ Granulate seamlessly integrates with highly dynamic microservices environments. Integrating Granulate’s agents to the IT automation process ensures the very workload and microservice you deploy is automatically optimized.
- ▶ Granulate supports Linux-Based Workloads across Cloud, Hybrid and On-Prem environments.
- ▶ Granulate has unique optimization capabilities for data processing and Big Data workloads on Spark, Kafka and MapReduce execution engines.
- ▶ Avoid the risk of Lift & Shift with application-driven performance optimization, allowing you to reduce the number of required machines and downsize while migrating to the cloud.
- ▶ Granulate is fully collaborative with ROSA and ARO to provide seamless optimization on Hyperscalers.

Granulate is a Red Hat certified application and is available for purchase through the Red Hat Marketplace. Read more about Granulate by Intel for OpenShift here

<https://networkbuilders.intel.com/solutionslibrary/autonomous-runtime-optimization-of-containerized-applications-with-granulate-on-red-hat-openshift>

<https://marketplace.redhat.com/en-us/products/real-time-continuous-optimization-by-granulate>

Learn more

Company: Granulate, an Intel Company Email: Info@granulate.io granulate.io

About Granulate

Granulate is enabling implementations with cloud-native containerized environments and applications through certification for use with Red Hat OpenShift Container Platform. OpenShift hardens and adds functionality on top of Kubernetes that makes it truly enterprise-ready. The platform is developed using an open-source model to harness community innovation and to enable the ongoing evolution of the container ecosystem. It also integrates directly and completely with the rest of the Red Hat tools portfolio for optimized efficiency. Certification on OpenShift helps ensure the most robust implementation possible of Granulate for real-time continuous optimization of cloud workloads. The certification process provides for coordinated support and proactive cross-validation for emerging workloads and product releases to protect the customer experience. Certification documents the successful completion of a rigorous array of tests that verify stability and performance under the full spectrum of possible network conditions. This process helps reduce risk and accelerates time-to-value.

About Red Hat

Red Hat is the world’s leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.



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