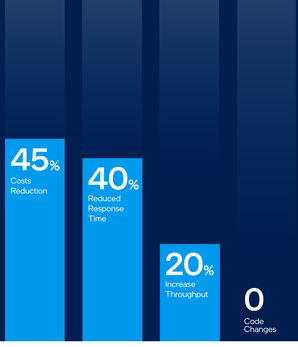
intel Granulate

Intel® Granulate™ for Azure

Improve Azure performance to cut costs by up to 45%

Intel Granulate empowers Microsoft Azure users with autonomous, continuous app-level performance optimization and capacity management, significantly reducing cloud costs while requiring no code changes.



Azure ready from day one

Intel Granulate is an IP Co-Sell offer and MACC eligible in Microsoft Azure's commercial marketplace, seamlessly integrated from day one.
Intel Granulate provides broad support for all Azure resources and services, regardless of compute type, Linux distribution, or development language.

Find Intel Granulate in the Azure Marketplace >

Easy installation with no maintenance required

Simple setup

By entering just one line of code in the command line, organizations can manually install Intel Granulate in minutes. Standard provisioning tools such as Azure Resource Manager, Chef, Ansible, and Puppet are fully supported as well.

No code changes or manual efforts

Intel Granulate monitors and then automatically and continuously updates resource allocation to reflect the application's needs - without human intervention, code changes, or R&D efforts.

Use Cases

Kubernetes orchestration and optimization on AKS

Gain full visibility into AKS clusters, seamlessly complement HPA scaling policies, and achieve your cost performance goals by applying custom rightsizing recommendations based on actual usage in production with Intel Granulate Capacity Optimization. This solution is deployed as a DaemonSet by default and supports additional installation methods including Helm Chart, Docker, CLI, and more.

Optimizing Big Data workloads on HDInsight

Process large data sets on HDInsight faster with autonomous and continuous optimization across various key aspects of Big Data workloads, including YARN resource allocation, Spark executor dynamic allocation, improved dynamic scaling, crypto and compression acceleration, memory arenas, and JVM runtime execution.

Runtime Optimization on Azure services

Boost application performance with Intel Granulate to automatically optimize key runtime features and capabilities including thread scheduling, lockless networking, inter-process communication, connection pooling, congestion control, and memory arenas. Intel Granulate autonomously and continuously learns your application's specific resource usage patterns and data flow. The solution identifies contended resources, bottlenecks, and prioritization opportunities by analyzing CPU scheduling order, oversubscribed locks, memory, network, and disk access patterns.

Why Intel Granulate?

Intel Granulate supports Azure customers by offering a suite of cloud optimization solutions, running on AKS Kubernetes and Azure Compute services including HDInsight and Databricks workloads. Intel Granulate provides DevOps teams with optimization solutions for all major runtimes, such as Python, Java, Scala, Go, and more. Azure customers are seeing improvements in their job completion time, throughput, response time, and carbon footprint, while realizing **up to 45% cost savings**

CUSTOMER SPOTLIGHT

Insight Reduces Databricks Costs on Azure by 28% with Intel Granulate

Insight

"In looking to help manage our Databricks growth, we were so thrilled to find Intel Granulate. By automating optimization, we were able to significantly reduce costs without impacting SLAs or distracting my team from our priority initiatives."

Michael Greene,
Global Director of BI & Analytics at Insight

Read the full case study >

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Request a demo →