



Solution Brief

Intel Granulate Continuous Cloud Optimization

Business challenge

While organizations rely on the cloud for flexibility and growth, managing cloud costs can be a challenge. These costs can grow quickly and require substantial engineering overhead to control and maintain. Organizations need a strong strategy for mitigating cloud costs to confidently make the best use of cloud for digital transformation and competitive growth.

How we help

Insight helps organizations gain control over cloud costs and performance with continuous optimization from Granulate™, an Intel Company. Intel® Granulate is a cloud-native, AI-driven solution that optimizes cloud compute resource utilization, throughput and response times, without requiring customers to perform code changes or constant configuration tuning.

With seamless integration for practically all leading cloud compute workloads and services, Intel Granulate, delivered by Insight, offers plug-and-play cost reduction that automatically applies various optimization techniques continuously, without manual intervention.

Granulate learns application resource usage patterns during an initial one-to-two-week passive learning period; it then tailors scheduling and prioritization decisions regarding CPU and memory access, along with fine-tuned capacity management.

Whether you want to contain increasing cloud costs, reduce latency or eliminate overprovisioning, Insight and Intel's new partnership through Granulate helps deliver results in a streamlined and simplified manner. Insight has applied Intel Granulate to its own Azure Databricks workloads, which led to a 21% reduction in cores and 28% reduction in overall costs. However, many Intel Granulate customers have achieved even greater savings.

Additional information

Intel Granulate provides autonomous optimization across multicloud and hybrid environments, with an emphasis on Big Data and Kubernetes:

- Auto deployment that seamlessly integrates with provisioning and IT automation tools
- Application-driven workload optimization
- Capacity management and dynamic scaling for Kubernetes and Big Data
- Auto-pilot continuous pod-level rightsizing for Kubernetes
- Cost savings analysis across the optimized compute fleet, per workload and per cluster
- Open source performance profiling

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Benefits

- + Automated cost reduction with zero engineering efforts
- + Fast time to value — full optimization within weeks
- + Faster analytics processing for Big Data
- + Elimination of overprovisioned resources and wasted spend

Our partners



Related services

Cloud FinOps

Cloud Economics Program

Cloud Optimization Services for AWS

Kubernetes, EKS, AKS, GKE, OpenShift

Big Data — Databricks, AWS EMR, Spark, Hadoop, Dataproc, HD-Insight, Kafka

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