GRANULATE

# Granulate for Azure

## Cut Compute Costs by up to 60% and Improve Performance

Granulate's real-time, continuous optimization solution cuts Azure compute costs by 60% while improving latency and quality of service. Granulate agents learn the specific resource usage pattern and data flow of the application. Next, the agents optimize the OS and kernel in real-time, using numerous tools including scheduling and prioritization algorithms.

| Reduce Costs By Up To | Reduce Response Time By Up To | Increase Throughput | Code Changes |
|---|---|---|---|
| 60% | 40% | 5X | 0 |

## Azure ready on-the-spot

Granulate is Azure-ready from day one, with broad support for Azure compute resources and services.

- *Plug-and-Play Support for Azure Compute*- Granulate's agent improves application performance regardless of compute type, Linux distribution, or development language used. Agents run on Azure VMs (all types). The agents optimize all of Azure's supported Linux distributions.
- *Fit For Cloud-Native, Elastic Environments* - Granulate supports elastic environments out of the box, with full support for orchestrators, orchestration services, and Azure Kubernetes Services (AKS).
- *Azure Services Supported with Installation* - Performance and cost improvements are automatically available for tracking and comparison in Azure Monitoring and Azure Resource Manager. Granulate's Azure-ready agents work seamlessly with other Azure services.

### Orchestration

kubernetes | RED HAT OPENSHIFT | Azure Arc | Azure Stack

### Operating Systems

FreeBSD | Red Hat Enterprise Linux | debian | ubuntu | CentOS

### Compute

Kubernetes Services | Virtual Machine

### Microsoft Azure Services

Azure Monitoring | Resource Manager

# Easy Installation - No Maintenance Needed

Granulate requires just one line of text for installation and no ongoing maintenance - improving workload performance on Azure has never been easier.

- *Simple Installation* - By entering just one line of text in the command line, organizations can manually install Granulate's agents in minutes. Standard provisioning tools such as Google Cloud Deployment Manager, Chef, Ansible, and Puppet are fully supported as well.
- *No Maintenance* - Each Granulate agent is autonomous and does not require ongoing maintenance, they continuously tune and update themselves.
- *No Code Changes or R&D Required* - Agents monitor and then automatically and continuously update the OS and kernel to reflect the application's needs -- without human intervention, code changes, or any R&D efforts.

No Maintenance

No R&D effort

No code changes


line of code installation

# Sample Granulate Use Cases

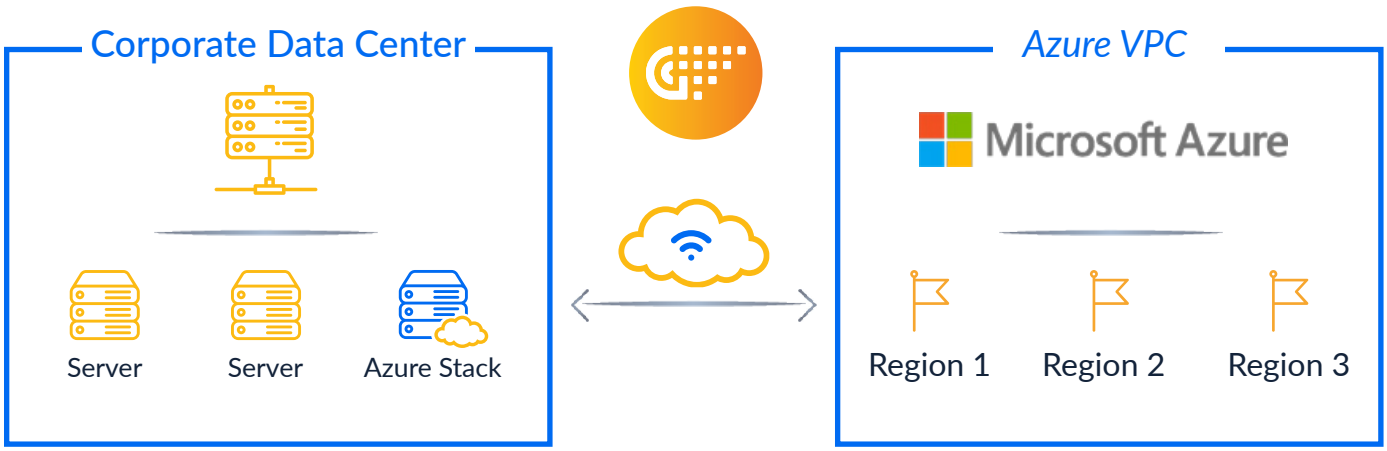
Granulate supports a wide variety of IT infrastructures and use cases, including:

## 1 *Improving Existing Azure Deployments -*

Granulate can improve the efficiency of existing workloads by 30 - 60% in addition to gains already made with other optimization solutions and approaches - without sacrificing performance.

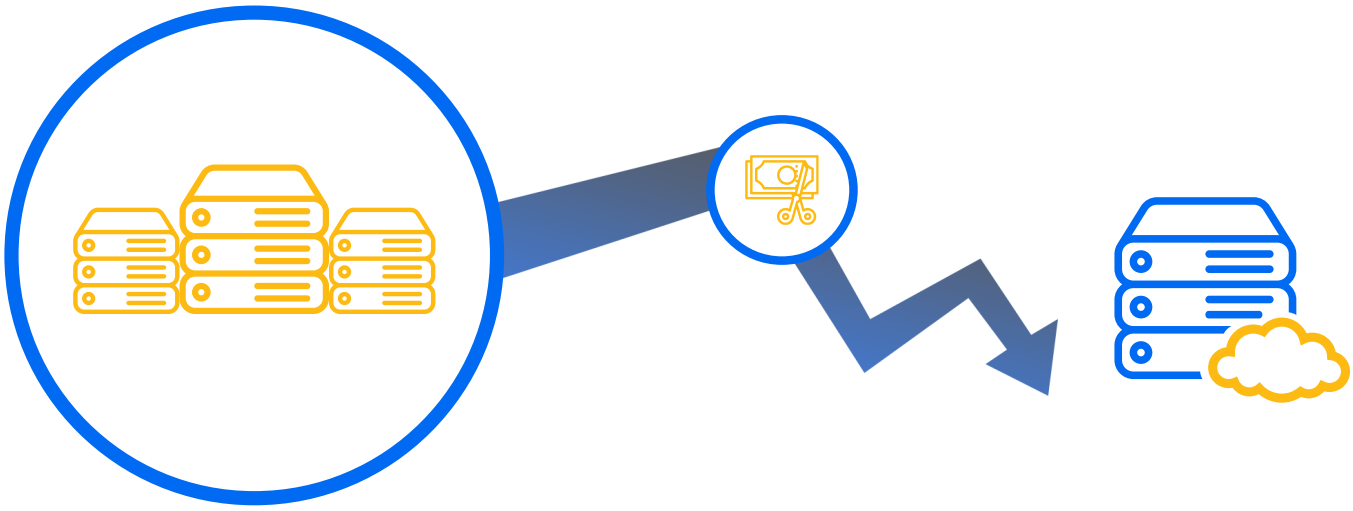

## 2 *Hybrid and Multi-Cloud Support -*

Granulate automatically optimizes workloads across the 3 major cloud providers (Microsoft Azure, AWS and GCP). Further, the solution natively supports private cloud environments, including bare metal infrastructures, giving it the ability to drive efficiency in any infrastructure.



3 *Cloud Migration Cost Reduction -*

Organizations migrating to the cloud often find that while they improve agility, a reduction in costs isn't always a guarantee. Customers using Granulate fully optimize their use of compute, ensuring both agility and cost reduction.



## Why Granulate? Prompt Benefits

*Cut Azure Compute Costs by up to 60% instantly -*
By customizing the OS to an application's specific needs, Granulate ensures the same workload can be supported with much less compute.

*Improve Workload and Application Performance -*
Granulate's agents dramatically increase throughput (by as much as 10x) while slashing response time by 15% or greater.

For more information contact
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