CORE

Managed Kubernetes

Easily deploy, manage, and scale your Kubernetes clusters with a 99.9% SLA.

Unique Advantages

Support for Bare Metal servers

Support for Bare Metal servers in addition to virtual machines:
- improves latency and performance
- saves from any influence of neighboring VMs

No-fee SLA-backed cluster management

Production level SLA-backed (99.9%) cluster management without additional charges in contrast with other providers, which either charge $70+ per month or don't provide SLA and position this for test/non-prod usage

Great value Gcore instance prices for worker modes

Provide great value Gcore prices for worker nodes - same as for Virtual Instances (VMs) and Bare Metal Servers

Gcore Managed Kubernetes
Essential Features

Auto-scaling and auto-healing for worker nodes

Our Managed Kubernetes clusters auto-scale and auto-heal worker nodes, ensuring efficient resource allocation and automatic failure recovery.

Faster deployments and updates with containers (Helm)

Helm simplifies container deployment on Kubernetes, enabling faster updates. Its package manager creates versioned charts for easy sharing, streamlining the release process for consistent deployments.

Free egress traffic for VM nodes

We offer free egress traffic for your Managed Kubernetes clusters, enabling you to transfer data out of your cluster without worrying about additional costs.

GPU worker nodes support

Managed Kubernetes clusters support GPU worker nodes, allowing you to run GPU-intensive workloads like machine learning, video processing, and gaming.

Block volumes provisioning via PVC

We offer block volumes provisioning via PVC, allowing you to create and manage persistent volumes for your Kubernetes applications.

DNS and Load balancers native integrations

Managed Kubernetes integrates natively with DNS and load balancers for easy management and configuration.

High availability and security

Each cluster dashboard is duplicated to ensure the cluster is always available. All connections between the master node and the nodes within a cluster are automatically protected.

Support of Kubernetes latest versions: 1.26 - 1.28

We support the latest versions of Kubernetes, including 1.26, 1.27, and 1.28, and we continue to add new versions as they become available so you can take advantage of the latest features and improvements.

Intel SGX inside Managed Kubernetes support

Managed Kubernetes support Intel SGX inside, enabling you to deploy secure enclaves for sensitive data and applications.

One-click provisioning

Provision your worker nodes in "one-click" using a single command in the Gcore self-service portal, API or via Terraform.

Provisioning of Load Balancer as Ingress

We offer provisioning of load balancers as ingress, making distributing traffic to your Kubernetes applications and services easy.
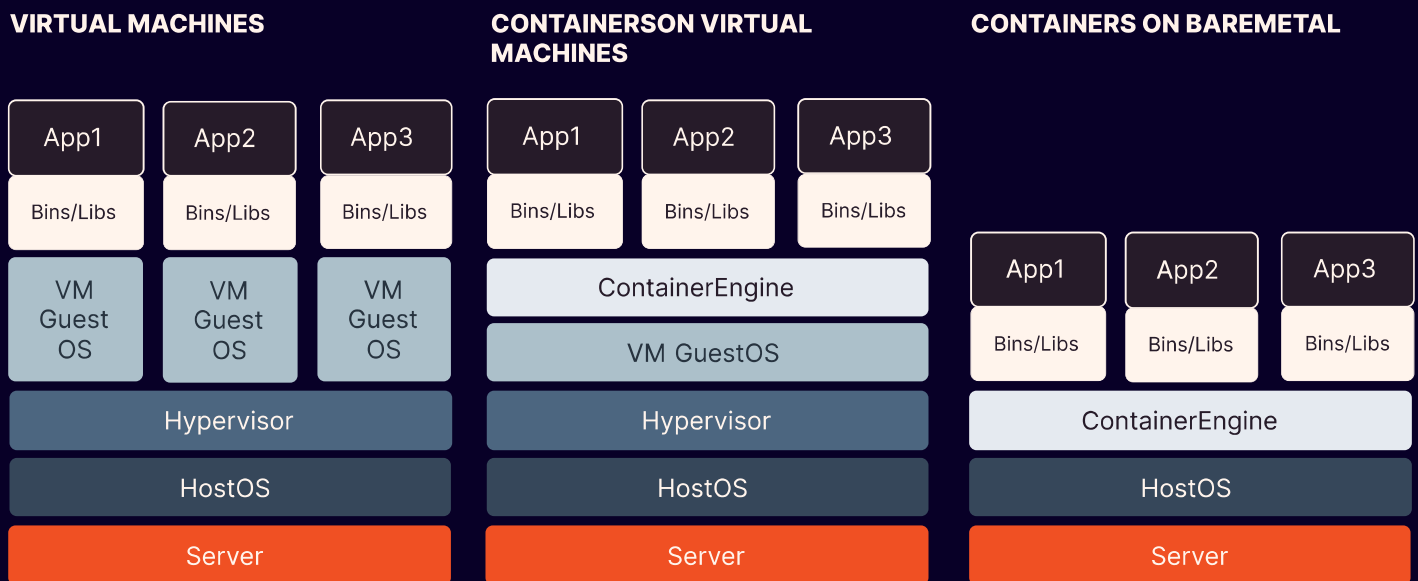
Tech support (24/7)

Our support team is available 24/7 to help you with any issues you may encounter.

Support for Bare Metal Servers

Businesses can achieve faster processing speeds and improved reliability for their critical workloads by leveraging Bare Metal servers. With Gcore's Managed Kubernetes, you can take advantage of this powerful infrastructure while benefiting from the ease of management and scalability Kubernetes provides.

Architecture comparison:

VIRTUAL MACHINES

App1	App2	App3
Bins/Libs	Bins/Libs	Bins/Libs
VM Guest OS	VM Guest OS	VM Guest OS
Hypervisor		
HostOS		
Server		

CONTAINERSON VIRTUAL MACHINES

App1	App2	App3
Bins/Libs	Bins/Libs	Bins/Libs
ContainerEngine		
VM GuestOS		
Hypervisor		
HostOS		
Server		

CONTAINERS ON BAREMETAL

App1	App2	App3
Bins/Libs	Bins/Libs	Bins/Libs
ContainerEngine		
HostOS		
Server		

Key industries

Support for Bare Metal servers provides low latency and high performance.
This is particularly beneficial for various industries:

- Online multiplayer gaming ✦
- Banking ✦
- Navigation ✦
- Media ✦
- Diagnostic imaging ✦
- Military ✦
- Transportation ✦
- Collaboration ✦
- Stock trading ✦
- Research ✦
- Ticket sales ✦
- Weather forecasting ✦
- Video broadcasting ✦

Managed Kubernetes Benefits over On-Premise Infrastructure and IaaS Solutions

Faster time to market and business agility

Customers can quickly and easily deploy their applications on the platform, allowing them to respond to market changes and new opportunities more quickly than with traditional on-premise solutions.
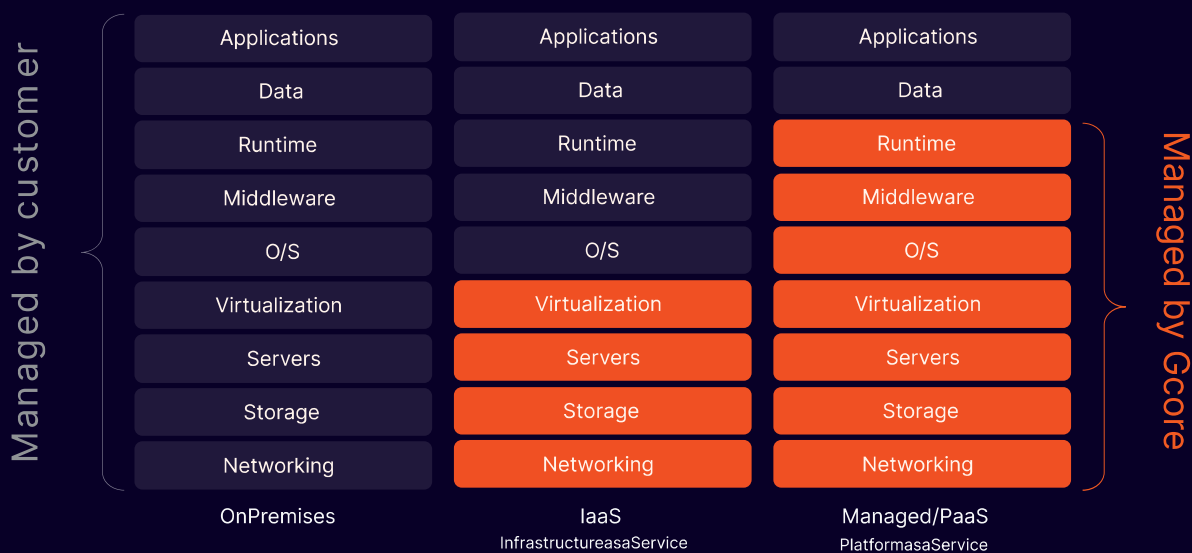
Cost savings on maintenance

Customers can save massive amounts on maintenance costs when compared to on-premise solutions and also save significantly when compared to IaaS solutions.
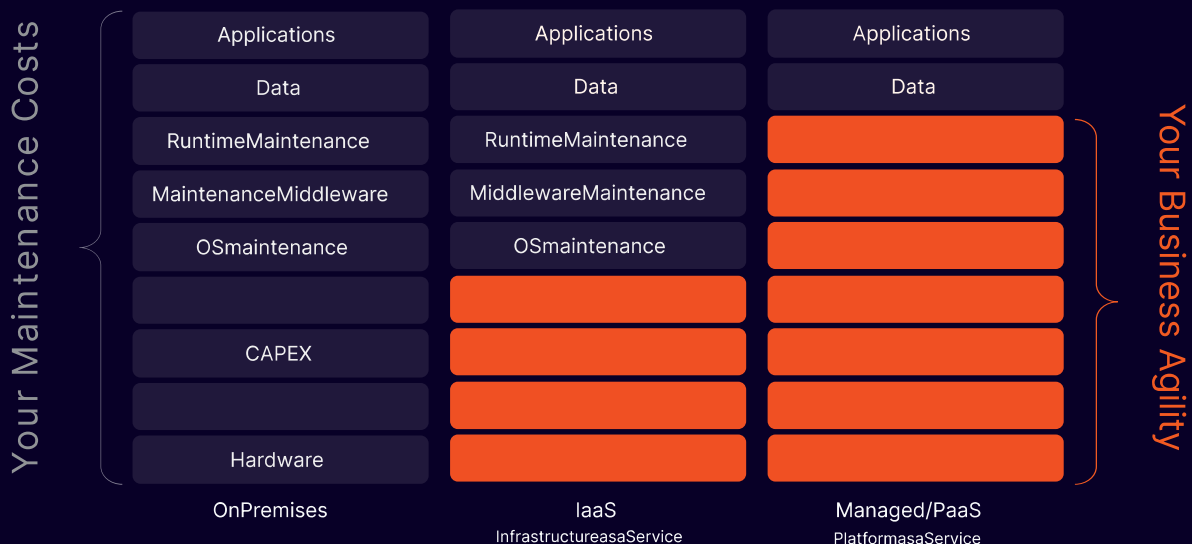
Shift from CAPEX to OPEX

With Gcore Managed Kubernetes, customers no longer need to make significant upfront investments in hardware and infrastructure. Instead, they can pay for services using the pay-as-you-go model.
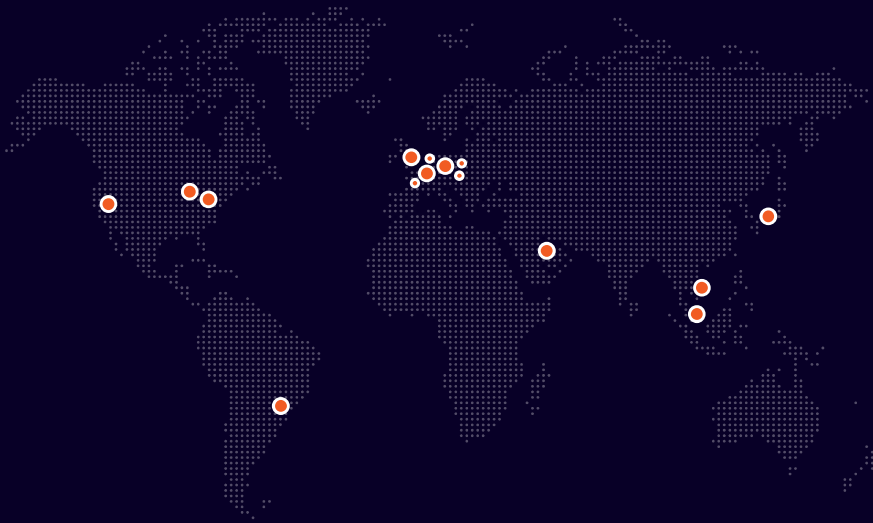
Managed Kubernetes Compared

Managed by customer	OnPremises	IaaS InfrastructureasaService	Managed/PaaS PlatformasaService	Managed by Gcore
	Applications	Applications	Applications	
	Data	Data	Data	
	Runtime	Runtime	Runtime	
	Middleware	Middleware	Middleware	
	O/S	O/S	O/S	
	Virtualization	Virtualization	Virtualization	
	Servers	Servers	Servers	
	Storage	Storage	Storage	
	Networking	Networking	Networking	

Managed Services Value

Your Maintenance Costs	OnPremises	IaaS InfrastructureasaService	Managed/PaaS PlatformasaService	Your Business Agility
	Applications	Applications	Applications	
	Data	Data	Data	
	RuntimeMaintenance	RuntimeMaintenance		
	MaintenanceMiddleware	MiddlewareMaintenance		
	OSmaintenance	OSmaintenance		
	CAPEX			
	Hardware			

Gcore Managed Kubernetes Core Regions

Europe
- Frankfurt
- Luxembourg
- London
- Paris-2
- Darmstadt
- Warsaw
- Amsterdam

US
- Manassas
- Santa Clara
- Chicago

Latam
- Sao Paulo-2

MENA
- Dubai

Asia
- Singapore
- Hong Kong
- Tokyo

Edge regions support coming soon

Trusted by

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photon · SHOPCADA · cameo · Aggregion · api.video

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Go global faster with Gcore Edge Cloud

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