



Edge Cloud

2023.03.21 gcore.com

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Platform as a Service



AI
Platform



Application
Marketplace



Function
as a Service



Managed
Kubernetes



Managed
Logging

Infrastructure as a Service



Virtual
Instances



Baremetal
Instances



Project
Mgmt



Private
Network



Block
Storage



Load
Balancer



VPN



Scheduled
backup



Reserved
IP



Direct
Connect



User
Mgmt



Elastic
IP



Disaster
Recovery



Action
Logging

Management



Integrations



Long-Term
Reservation



API



Self-Service
Portal



Billing



Reports



EDGE
Locations



5G Mobile
Platform

Why Gcore Edge Cloud?

Best practices

Efficient business solutions based on 23+ infrastructure and platform services and next-generation hardware

Global presence

23+ public locations in Europe, Asia, the USA, and Latin America.

Easy setup

Self-service portal with user-friendly control panel, detailed knowledge base, and API docs.

Rapid deployment

Ready-made dev environments launched in minutes.

Reliable data centers

Tier III and IV data centers with Tbps-scale bandwidth, redundant power supply, spare parts, and 24/7 monitoring.

L2 connectivity

Bare metal servers and virtual machines can be connected into private networks.

Cost Efficiency

Pay-as-you-go billing model. Infrastructure building in a 30% more cost-efficient way than the big 3 cloud providers.

Trust & Security

GDPR, PCI DSS, ISO/EIC 27001 compliance
Integrated advanced protection against L3, L4, and L7 DDoS attacks

Gcore Cloud benefits: Global presence

US

- Santa Clara
- Chicago
- Ashburn
- Manassas

Europe

- Amsterdam
- Frankfurt
- Luxembourg
- London
- Paris
- Istanbul

Asia

- Hong Kong
- Singapore
- Tokyo

MENA

- Dubai

Africa

- Johannesburg

Australia

- Sydney

Latin America

- São Paulo



Gcore Cloud benefits: Compute resources

Virtual machines from €5 per month | Variety of configurations for a variety of tasks

Gcore Basic	best for workloads that do not require high performance. The main peculiarity of such a type is that instances with Shared type use core partially.
Standard	best suited for a wide range of workloads that require predictable computing performance.
CPU-Optimized	a CPU-optimized virtual machine. They are best suited for CPU-intensive tasks and projects that require predictable computing performance. For example, batch processing of large data sets and video encoding.
Memory	a virtual machine with optimized memory that is best suited for memory-intensive tasks and projects such as databases.
High-Frequency	a virtual machine with a high clock rate of the CPU (3.7 GHz in the basic configuration). This type of instance is suitable for those who value the CPU's high performance and speed.
Intel SGX	a virtual machine supporting Intel SGX technology. This is a set of processor instructions that can be used by applications to isolate private areas of code and data (enclaves), providing them with better protection against disclosure or modification. This type of instance is ideal for those who want to store critical, sensitive data in the cloud.
GPU	a virtual machine with a graphics card that is suitable for working with graphic information, deep and machine learning applications, and high-performance computing.
GPU-High-Frequency	a virtual machine with a high clock rate of the CPU and with a graphics card. This type of instance is ideal for those who want to perform complex calculations that require graphics accelerator resources and value the CPU's high performance and speed.

Gcore Cloud benefits: Compute resources

Bare metal from €211 per month

Powerful physical servers with unlimited access to compute resources in stock

Basic

Single-core servers with typically 2236/2336 CPUs. Suitable for lightweight applications or micro-containers

Infrastructure

Multi-core multi-socket configurations for hosting applications that are demanding in the number of cores, optimized for multithreading.

High-Frequency

Single-core servers with typically 2288G/2388 CPUs.

Suitable for hosting applications that are demanding in processor frequency.

BM Configuration



Gcore Cloud benefits: Secure computing

Virtual Servers With Basic DDoS Protection

Basic protection is free of charge
(you pay only for compute instances)

- Always-on protection for each virtual machine. Reflecting attacks: DNS, NTP, SSDP, MSSQL, LDAP, SNMP, CharGen, Memcache, Echo, RIP, and ARMS.
- Traffic threshold: 5 Gbps. (If traffic is higher, the IP address will be blocked automatically for 12 hours.)
- Traffic rate below 200 Mbps per destination IP is not protected.

Bare Metal Servers With Advanced DDoS Protection

€50 per bare metal server

- Protection against all types of DDoS attacks at L3, L4, and L7.
- 6 custom protection profiles: special presets considering security specifics of the applications that will be run on bare metal servers. Currently available profiles: TCP, CS:GO, ARK, RUST, GTA V, and Minecraft.



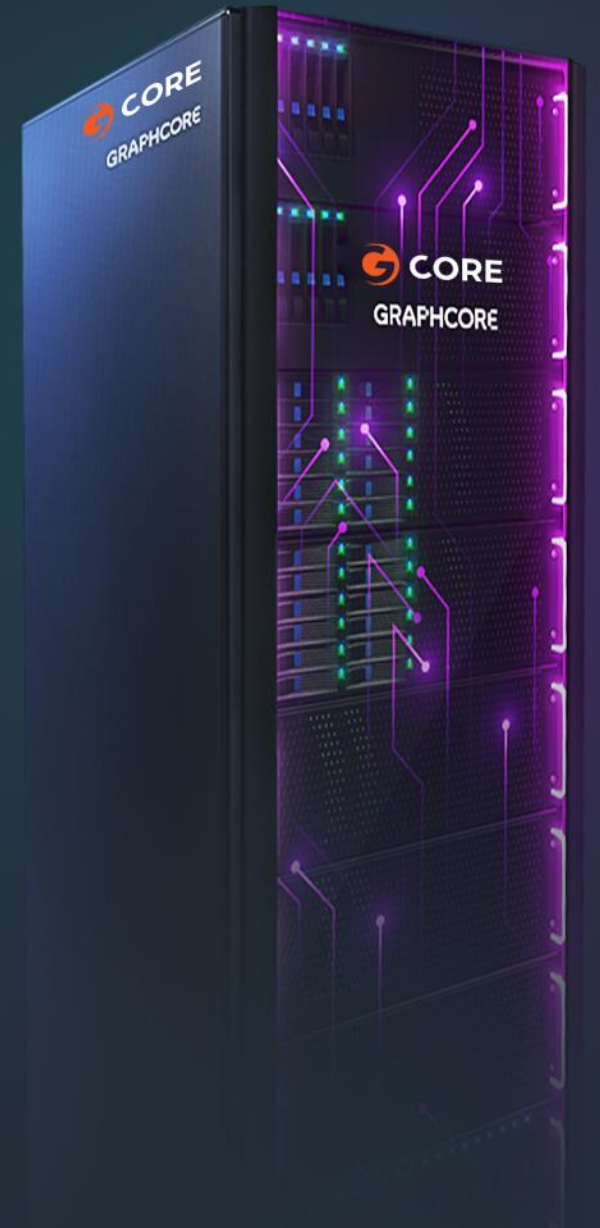
Gcore Cloud features: AI Infrastructure

A cloud infrastructure based on Graphcore IPUs and the Gcore cloud services to accelerate machine learning. Designed to help businesses go through every stage of their AI adoption journey, from building proof of concept to training and deployment.

- World-class performance for natural language processing
- Fully automated AI infrastructure
- 20+ IaaS and PaaS services in a single rack
- Wide range of management tools: work with models via the control panel, API, or Terraform
- Dataset management and integration with S3/NFS storage
- Version control: Hardware, Code, Dataset
- Secure trusted cloud platform

IPU-PODs are ready to order in Luxembourg and Amsterdam.

[About AI Infrastructure](#)

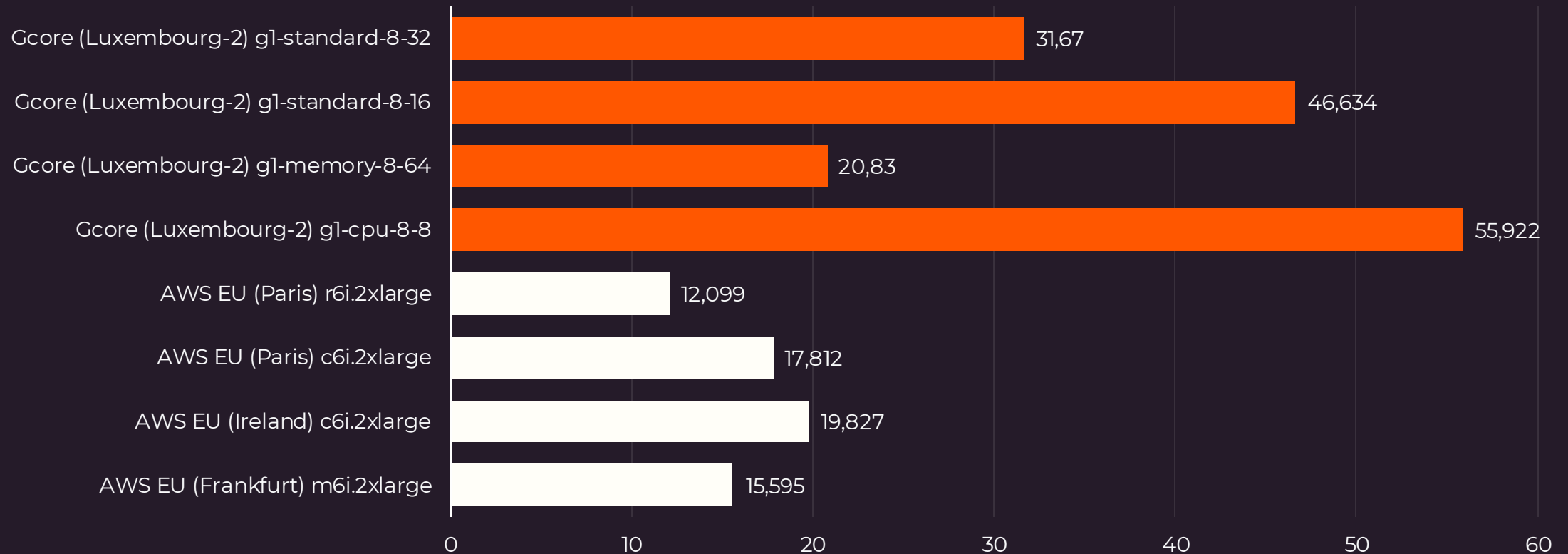


Performance benchmark (Gcore Cloud vs. AWS EC2)

[Full report](#)

We compared the latest main AWS VMs against their Gcore equivalent.
We tested and exposed different aspects of performance.

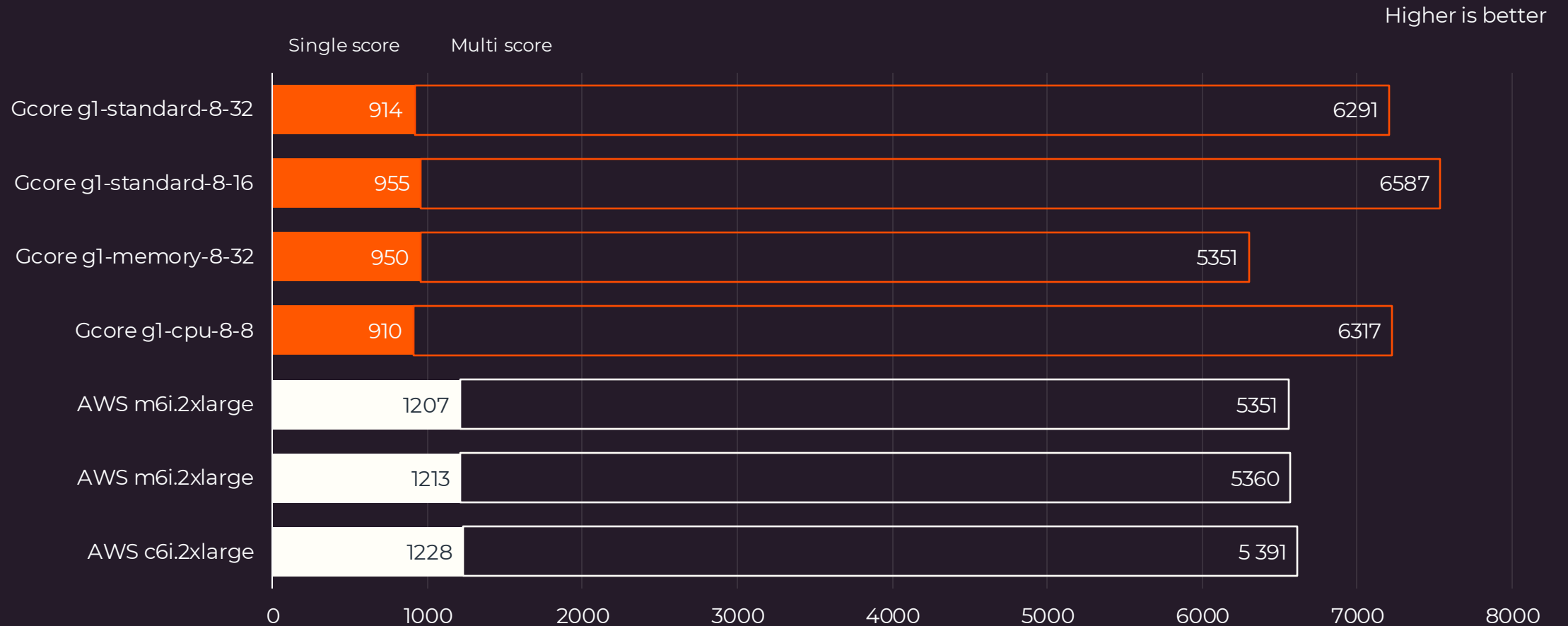
Higher is better



Performance benchmark (Gcore Cloud vs. AWS EC2)

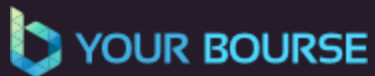
[Full report](#)

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Trusted by

Among our clients are financial companies and banks, game developers and publishers, mobile operators, advertising platforms, retailers, online stores and betting.



We are Gcore

Gcore is an international leader in public cloud and edge computing, content delivery, hosting, and security solutions.

We manage a global infrastructure designed to provide enterprise-level businesses with first-class edge and cloud-based services.

HQ	Luxembourg
Offices	Germany, Lithuania, Georgia
Incorporated	2014
Employess	400+



[About GCore](#)





We help businesses become #1 in digital world

By providing Cloud infrastructure with excellent connectivity at lowest latency, reliable storage, superfast content delivery, and advanced protection of the resources.



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Gcore at a glance

140+

PoPs on 6 continents

5.5 Tbps

Monthly peak loads

5,000+

Satisfies customers

30 ms

Average response
time

400+

employees

11,000+

Peering partners

110+ Tbps

Total network capacity