G CORE

Reliable infrastructure.
Utmost service availability.

Our infrastructure is our greatest asset, which allows us to build large-scale products and provide high-quality services.

To ensure reliable operation of our infrastructure, we pay special attention to the performance of our data centers, the quality of our server hardware, and the connectivity of our network infrastructure.

We have well-established procedures for security, network diagnostics, and incident response to ensure high availability of our services.

ISO/IEC 27001:2013 Certified

PCI
DSS
COMPLIANT

Tier III / Tier IV data centers

Data centers are the heart of our infrastructure. The majority of our points of presence are deployed within Tier III and Tier IV data centers.

- Redundancy for each infrastructure component

- High level of protection against unauthorized intrusion

- Multi-day autonomous operation in case of disconnection of external power supply

We have dedicated server rooms and in-house teams of technicians to ensure uninterrupted operation in all key data centers.

Premium server hardware

The quality of our services is directly related to the grade of equipment being used, so we buy hardware from leading brands and regularly update its components.

We use first-class server components and communication equipment, which allows us to eliminate human error and simplify server maintenance procedures.

Powerful network infrastructure

Anycast routing

Our network infrastructure is designed as a global Anycast network. Due to this, we provide high availability of services, protection against massive DDoS attacks, and the fastest connection establishment.

Advanced connectivity

We are constantly improving the connectivity of our network and expanding the pool of our peering partners. Direct connection to internet service providers and traffic exchange points allows us to find optimal connection paths and thereby improve the quality of our end products.

→ **11,000+**
peering partners

→ **100+**
internet exchange points

→ **Direct access**
to Tier-I internet service providers

Profound network management

1 **Network infrastructure redundancy**

We duplicate all network infrastructure components to ensure fault tolerance at the physical layer.

2 **Real User Monitoring (RUM) for better availability**

We use proven RUM tools to accurately monitor the availability of our services.

3 **Global monitoring system**

We have deployed a global network monitoring system, which measures the load and detects emerging issues in real time.

Reliability policies and procedures

→ **Zero trust policy**

→ **Automated E2E testing**

→ **Canary and progressive deployments**

→ **Detailed instructions for regular procedures**

→ **Public postmortems (RCA) for major incidents**

→ **Escalation policies for effective incident management**

Experienced team

Since 2014, we have built a strong team of professionals who have in-depth expertise in working with high-load enterprise projects. At the same time, all employees involved in the operation and development of infrastructure undergo regular training and learning.
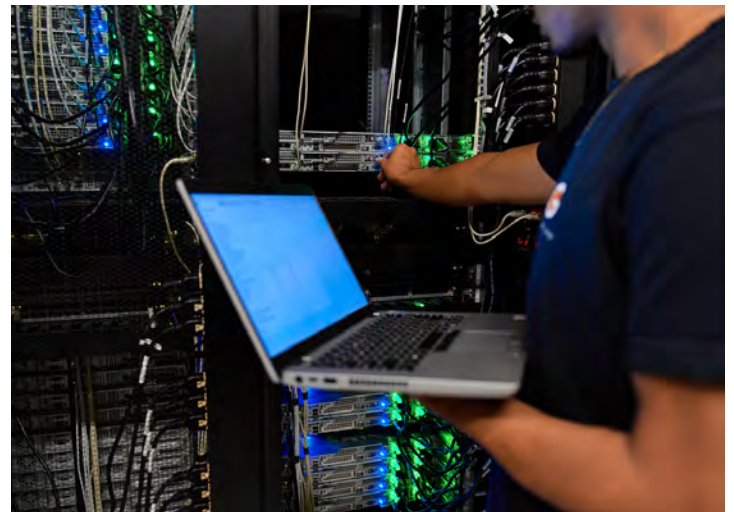
Technological partners

intel. DELL Lenovo wallarm EQUINIX GRAPHCORE

DIGITAL REALTY wasabi hot cloud storage hp AMD ARISTA kentik

Stay available with 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.

+352 208 80 507
sales@gcore.com
gcore.com