



PARKOVYI

DATACENTER





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PARKOVYI Data Center is the only commercial data center in Ukraine certified as TIER III by the Uptime Institute, in accordance with the international TIA 942 standard. Our Mission: To ensure efficient and stable operation of IT infrastructure for Ukrainian businesses and government institutions.

OUR MISSION

To ensure the efficient and stable operation of the IT infrastructure of Ukrainian businesses and government institutions

- **2020** • Equipment modernization completed
• Transition to a unified Cisco standard
- **2021** • Public Cloud launched on VMware and Hyper-V
- **2022** • First Private Cloud projects commissioned
- **2023** • Launch of VDI (Cloud Desktop Infrastructure)
- **2024** • Strengthening of data protection ecosystem and implementation of additional cybersecurity services
- **2025** • Launch of Retention Lock Backup + Data Domain and a microservice platform based on RedHat OpenShift
- **2026** • Launch of Cloud for AI tasks and restart of the VDI service with status update from Ommissa



OUR CLIENTS

We are trusted by government institutions and the largest private businesses in Ukraine.



CERTIFICATES, PARTNERS AND TECHNOLOGIES

Information security and service quality are ensured in accordance with international and Ukrainian standards

KZSI

ISO 27001:2022

ISO 27701

PCI DSS 4.0.1

ISO 9001

SAP

NBU compliance

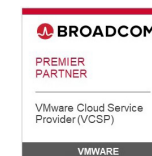
ISO/IEC 27017

ISO/IEC 27018

Key compliance certificates of our technical team



Solutions and statuses from global technology leaders



BUILDING A SECURE AND GEOGRAPHICALLY DISTRIBUTED INFRASTRUCTURE

- Kyiv
- Lviv
- Uzhhorod
- Warsaw
- Vilnius
- Frankfurt



PUBLIC CLOUD ON VMWARE BY BROADCOM

ABOUT THE SERVICE:

↳ Sites located in Kyiv and Lviv

↳ Trial period and additional services available

↳ Monthly billing

↳ Managed through vCloud Director

↳ IaaS infrastructure available in Ukraine or the EU

↳ Flexible resource scaling

↳ Certified by ISO 27001, ISO 27001:2022, ISO 9001, ISO/IEC 27017, ISO/IEC 27018, PCI DSS 4.0.1, KZSI, PCI DSS, SAP, and MFA

↳ SLA: 99,95%



PRIVATE CLOUD

A **Private Cloud** is a physically isolated virtual infrastructure built to match the customer's existing IT infrastructure. All resources for cloud services (servers, data storage systems, network components, and software) are provided to you as a service.

Service available in Kyiv, Lviv or the EU

A private cloud enables you to quickly build geographically distributed sites without significant investment

Individual solutions

The private cloud can be customized to meet specific client requirements. The provider delivers a ready-made solution that aligns with the customer's technical needs.

Cloud management

Access to VMware management components such as vCloud Director

High resource performance

The private cloud is built exclusively for one customer; therefore, both physical and virtual capacities are utilized solely by that client's services


Infrastructure monitoring

Physical level — access control to racks and video surveillance.
Software level — via Zabbix and VMware products.

Cost

For large data volumes and workloads, maintaining a private cloud is more cost-effective than a public one.

CLOUD FOR AI



Cloud for AI is a ready-to-use environment for training, testing, and scaling artificial intelligence solutions with access to high-performance NVIDIA GPUs delivered through a vGPU as a Service model.

Fast Deployment

Launch AI training or deployment projects quickly without investing in dedicated hardware

Data Security

Hosted in a Tier III certified data center with robust security controls and business continuity standards

Flexible Deployment Options

Choose between a public cloud powered by NVIDIA L40S GPUs or a dedicated private cloud tailored to your requirements

Expert Support

Our specialists help adapt AI models to specific business use cases and design the optimal infrastructure for AI training and deployment

vGPU as a Service

Access GPU computing resources and train AI models without the cost and complexity of purchasing and maintaining expensive hardware

CLOUD WITH CLOUDIAN HYPERSTORE



Cloudian HyperStore Storage - enterprise-grade S3 storage for secure data storage, backup, and archiving of large data volumes, as well as for training AI models (AI Data Lakes) and storing AI vector databases.

Flexible Scaling

Scale to exabyte volumes without downtime.

Data Protection

Replication, Erasure Coding, geo-distributed storage protecting against data loss.

Regulatory Compliance

All sensitive data is stored within Ukraine.

Simple Management

Simple and intuitive management via VMware Cloud Director or Cloudian Management Console.

S3 Compatibility

100% compatibility with AWS API (Amazon S3) and integration with Veeam, Commvault, Metallic, Veritas, Rubrik, Cohesity, and others.

GPU Integration

NVIDIA GPUDirect Storage (GDS) — transferring data from storage directly to GPU memory, bypassing the CPU.

Data Security

Object Lock, Immutability, encryption (SSE, SSE-C, SSE-KMS, SSE-KMIP), access control (Azure AD, AD FS, Okta, Cloud Identity, Keycloak) and backup immutability.

OPENSIFT



OpenShift is a ready-to-use microservice platform based on the Red Hat OpenShift Container Platform, deployed according to the DELL reference design, which allows transforming a monolithic IT infrastructure into a flexible, reliable, and scalable system

Containerization and CI/CD

automation of application development and updates

Flexible scaling

resources are added only where needed

Microservice architecture

independence of components and accelerated development

Secure operation

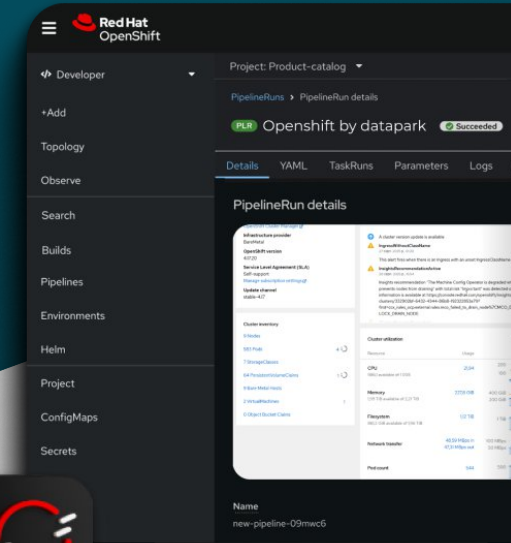
compatible with bare metal, VMware, OpenStack, AWS, and Azure

Failure resilience

automatic recovery of services and load balancing

Integration with Retention Lock Backup + DRaaS

for continuous operation even in the event that one of the sites becomes unavailable



Retention Lock Backup

Retention Lock Backup is a solution for protecting critical data by making backup copies "immutable" for a defined retention period.

↳ Protection against malware, especially ransomware

↳ Prevention of accidental or intentional deletion of backups

↳ Compliance with security policies and regulations

↳ Integration with Veeam Backup & Replication

↳ Use of Dell DataDomain hardware with "lock" support



PCI DSS



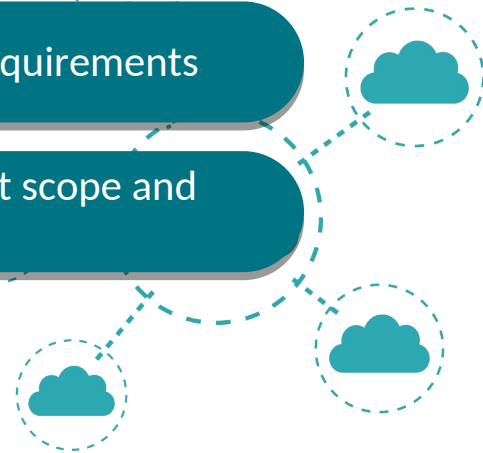
PCI DSS 4.0.1 is an international payment card data security standard implemented within the PARKOVYI Data Center, designed for the processing, storage, and transmission of payment data.

↳ Compliance with PCI DSS, Visa, and regulatory requirements for payment data storage

↳ Certified environment ready for audit — no need to build security from scratch

↳ Public and private clouds, as well as server colocations, fully comply with PCI DSS requirements

↳ Part of the security requirements is delegated to the data center, reducing the audit scope and simplifying verification



DRAAS

ABOUT THE SERVICE

- ✓ Replication using VMware or Veeam
- ✓ Launch of a disaster recovery site within 30 minutes
- ✓ Partial resource-based billing
- ✓ Disaster recovery site hosted in a private cloud
- ✓ Sites available in Kyiv, Lviv, and Warsaw

BAAS

ABOUT THE SERVICE

- ✓ Backup using Veeam
- ✓ Integration with Veeam B&R Server
- ✓ Reservation of physical infrastructure
- ✓ Protection against backup deletion
- ✓ Sites available in Kyiv, Lviv, and the EU

CDI

CDI – cloud desktops based on VMware Horizon. The solution helps organize stable remote work for employees thanks to the reliable infrastructure components of the data center, designed to ensure uninterrupted operation under any scenario.



By centralizing workloads and resources, you can utilize capacity that usually remains idle



A new workplace is deployed within minutes



Data never leaves the secure system perimeter and cannot fall into unauthorized hands



Reduced logistics and endpoint maintenance requirements



The system is built without a single point of failure, minimizing downtime for employees



The solution requires zero upfront investment, starts with a minimal cluster, and scales modularly saving costs

PARKOVYI DATA CENTER



Territory, Autonomy, and Security

- Server rooms are built using the “room within a room” principle, ensuring additional protection against any external threats
- Stable operation without a single interruption — not even for a second



Power Independence and Autonomy

- Three uninterruptible power sources of 1.6 MW each, with one in reserve.
- An autonomous diesel generator power station capable of providing stable, round-the-clock operation of the data center.



Cooling System

- Dual-circuit cooling system
- The free cooling function uses outside air during the cold season to achieve high energy efficiency



Fire Suppression System

- Fire alarm and automatic gas fire suppression system.
- Each server room is equipped with an autonomous fire suppression system based on Novec 1230 innovative gas, which is safe for both people and IT equipment.

SECURITY AND RELIABILITY OF INFRASTRUCTURE

- External power supply capacity — up to 4 MW

- Three independent power sources of 1.6 MW each

- Autonomous diesel generator power plant

- Certified to operate with government institutions and any type of business

Ukraine: TIER III Design, ISO 9001, ISO/IEC 27001:2022, ISO/IEC 27701, CIPS, SAP Certified in SAP HANA Cloud and database operations, NBU compliance #243, PCI DSS 4.0.1, ISO/IEC 27018, ISO/IEC 27017



Національний банк України



SAP Certified

in SAP HANA Cloud and database operations

EU: TIER III Design and TIER III Facility, ISO 9001, ISO/IEC 27001:2022, ISO/IEC 27701, Professional-level employee certifications, EPI-DCOS Level 4, PCI DSS 4.0.1, ISO/IEC 27018, ISO/IEC 27017, SAP Certified in SAP HANA Cloud and database operations



27001
27701
27017
27018
9001



SAP Certified

in SAP HANA Cloud and database operations

SERVER EQUIPMENT PLACEMENT



Fault tolerance is confirmed by TIER III certification



Power per rack — 8 kW or adjusted according to the client's request



Migration to a preconfigured infrastructure with the support of data center specialists



Stable operation without any interruptions, even during blackouts



Structured cabling system — high-quality and reliable physical connectivity



Access to equipment is granted only to the client or their authorized representative

Shielded Rooms

Кімнати оснащені інструментами безпеки класу А та системою контролю і раннього сповіщення про відхилення мікроклімату VESDA.

Ми маємо всі необхідні сертифікати відповідності для роботи як з держустановами, так і бізнесом будь-якого масштабу.

✓ Physical access is restricted to a limited group of employees

✓ A separate shielded room is available for special requirements

✓ Access control system configured upon client request

✓ Integration of additional security or monitoring measures

✓ Complete isolation from electromagnetic interference

✓ Fire suppression, alarm, and video surveillance with client access

✓ Microclimate control via VESDA early warning system

✓ Monitoring of operations and task execution by data center specialists

What Tasks Our Clients Solve

- Reducing the cost of IT infrastructure maintenance and upgrades
- Protection against prolonged power outages and blackouts
- Geographic data distribution across additional sites
- Cloud infrastructure replication in Lviv, Poland, Lithuania, or Germany
- Migration back to Ukrainian cloud and cost optimization after hosting in AWS and Azure
- Multi-cloud approach — mitigating risks associated with dependence on a single provider



WHAT OUR CLIENTS GET

Infrastructure Optimization

Every cloud service is built on new A-grade equipment and uses the latest software versions. This allows for resource optimization and the creation of efficient IT landscapes

Reliability

Physical sites and IT infrastructure are certified according to TIER III requirements, with vendor support for both hardware and software

Trusted Partner

The knowledge and expertise of our engineers are available to solve clients' infrastructure challenges

Speed

The ability to obtain large amounts of resources within tight timeframes

Security

Our experience in building infrastructure for critical services has been proven even during wartime

Operational Costs

The solution requires zero capital expenditure, starts with a minimal cluster, and scales modularly — saving costs

STARTING COOPERATION WITH US IS VERY EASY

WE WILL SELECT

volume and set of necessary
resources and services

WE WILL HELP

to migrate and configure
your infrastructure

WE WILL TEST

and fine-tune the system for
the best performance

WE WILL STAY

in touch with you 24/7

EXAMPLE OF BUILDING A PRIVATE CLOUD FOR HIGH-LOAD SYSTEMS

Дія

Ukrainian e-government service platform Diia — used by more than 20 million Ukrainians and growing daily.

TASK

Building a separate fault-tolerant site with subsequent service migration. The goal is to create a geographically distributed solution that is resistant to external factors and easily scalable. A critical requirement is the provider's possession of a KZSI certificate

SOLUTION

Deployment of an isolated software and hardware complex, along with configuration of network interaction with the client's additional site

RESULT

A reliable isolated site that fully meets state information security requirements



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