



**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 Omnisca



## 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
- 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.

# 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

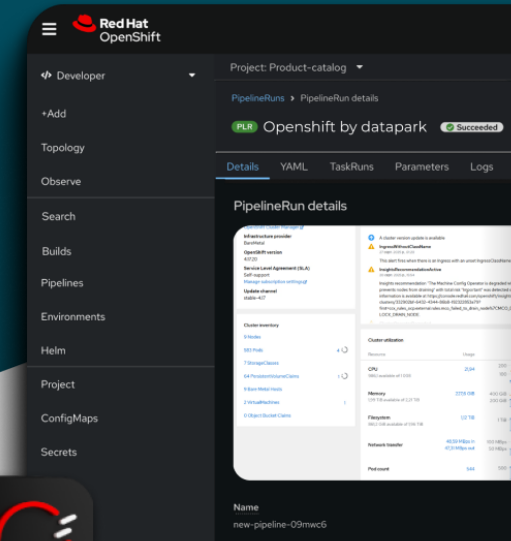
compatible with bare metal, VMware, OpenStack, AWS, and Azure

## 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



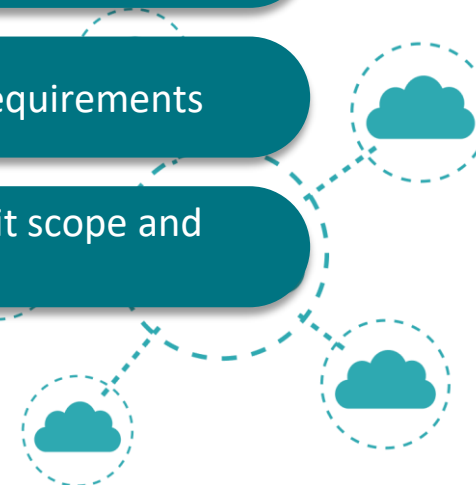
**PCI DSS 4.0.1** is an international payment card data security standard implemented within the PARKOVYI Data Center, designed for the processing, storage, and transmission of payment data.

↳ 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/IES 27001:2022, ISO/IES 27701, KZSI, NBU compliance No.243, PCI DSS 4.0.1, ISO/IEC 27017:2015, ISO/IEC 27018:2019



National Bank of Ukraine



## EU:

TIER III Design and TIER III Facility, ISO 9001, ISO/IES 27001:2022, ISO/IES 27701, Professional, EPI-DCOS Level 4, PCI DSS 4.0.1



# 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

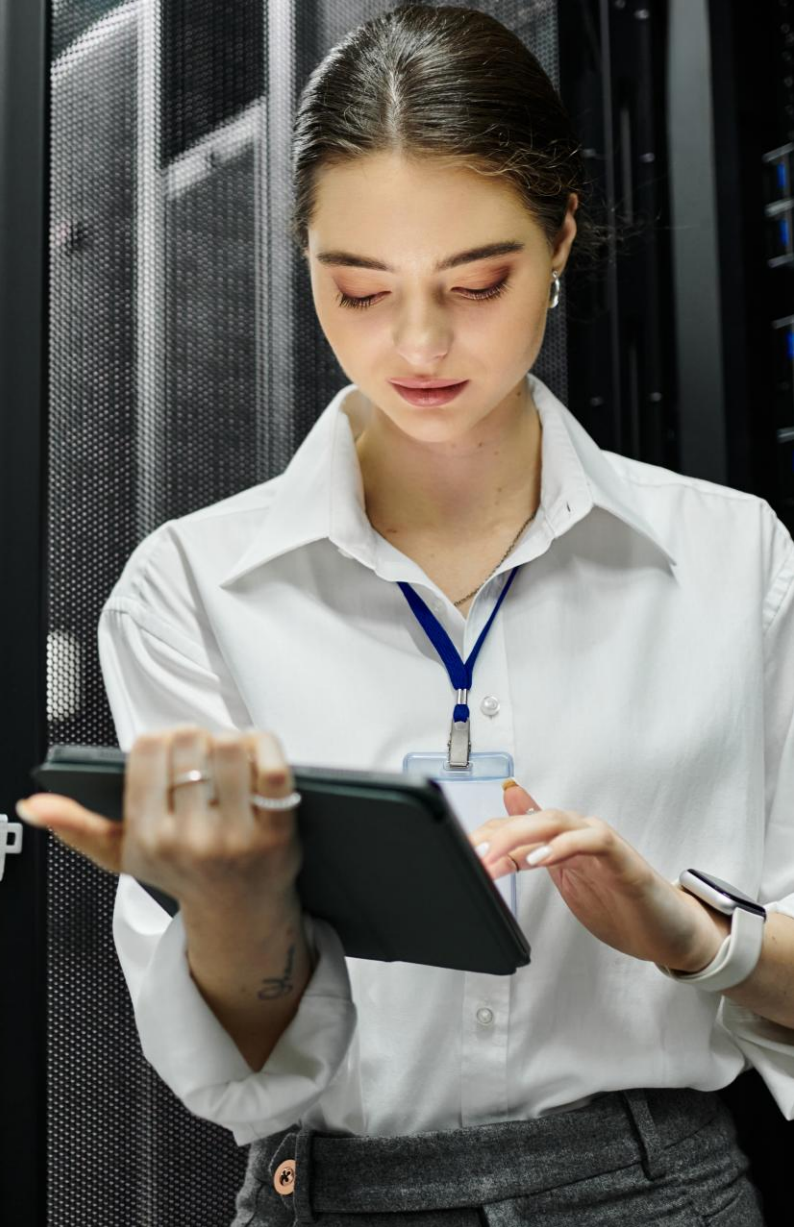
✓ Fire suppression, alarm, and video surveillance with client access

✓ 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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