

OPCP

On-Prem Cloud Platform

Deploy. Scale. Secure. From anywhere...

It’s not just a box,
It’s a full cloud platform

Keep cloud, stay on-premises



OPCP
by OVHcloud

Dedicated cloud: the age of informed choice

Following years of massive public cloud adoption, businesses are now sharpening their approaches.

What's driving the trend of bringing certain cloud workloads back on premises, of adopting hybrid models or even Edge?

Regain control and sovereignty.





Cost control, first. The agility of on-demand resources is costly.

Then performance management, as cloud users rely heavily on latency and shared resources (public cloud).

Sovereignty rests on three pillars:

Data sovereignty, which dictates where data is stored geographically, thus determining applicable laws and regulations.

Technological sovereignty, which refers to having control over software and hardware, and not being tied to a specific provider's ecosystem.

And lastly, **operational sovereignty**, which refers to the ability to operate autonomously, without the need for potentially unreliable third parties.

Specialising in a way that maintains the benefits of cloud environments

From distributed infrastructure to scalability and resilience, Cloud environments have dramatically changed how applications are designed, deployed and scaled.

Today's challenge lies in extending cloud capabilities elsewhere—mainly on premises—without completely moving away from it.
We aim to provide a flexible, comprehensive cloud platform that closely aligns with business needs, enabling the deployment of cloud-native applications without compromising on performance or control.



A cloud solution that adapts to your needs, not the other way around

OVHcloud sidesteps the public cloud vs. on-premises dilemma by drawing upon its industrial expertise to offer a single, integrated hardware and software solution for simple on-site deployment.

A plug and cloud solution that gives you the same experience as the Public Cloud.

A secure, managed cloud solution that brings the power of modern technology directly to your datacentre, along with portability, automation and scalability.

Because diversification is not about stepping back; it's about moving forward with more control.



The cloud revolution

Cloud technology has fundamentally changed how software is used, how software publishers conduct business, and how IT is designed.

In the past, it involved **purchasing licenses**, local software installs, and yearly updates. We also faced OS and hardware compatibility challenges.

Cloud computing has **provided access to applications from any device connected** via standardised protocols, offering decentralised, shared, and on-demand resources. It has also paved the way for automated resource allocation (storage, compute, etc.) on an as-needed basis, and freed businesses from hardware management.

SaaS is now the dominant model because of its subscription-based nature and, most importantly, its continuous software development.

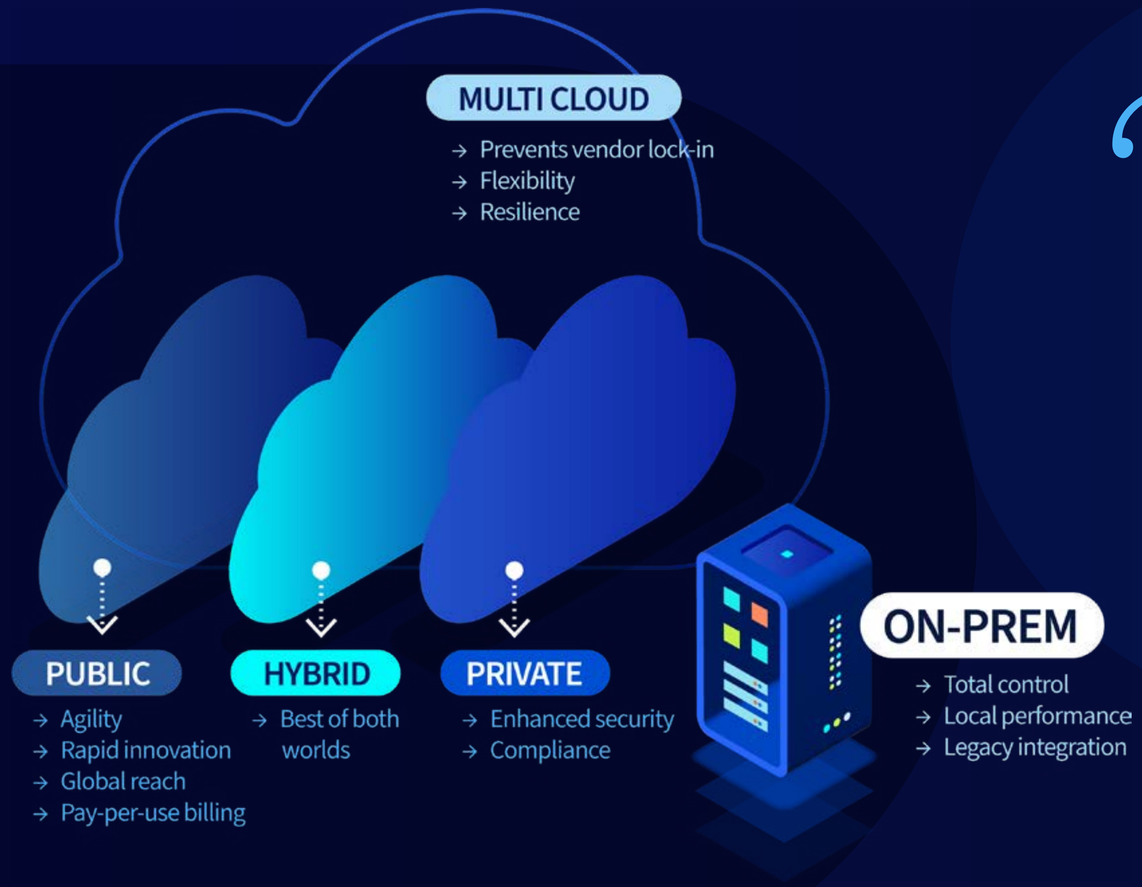
It’s incredibly simpler now for end users, software publishers, and companies that deploy them. You no longer need on-premises infrastructure, hardware management, or capital investment; **it’s now all consumed “as a Service”**, with everyone focusing on the activity that maximises their value. Isn’t that every CTO’s dream?

Beneath the cloud's simplicity lies a complex web of compromises

Ironically, the cost savings expected from cloud adoption can sometimes vanish because of increased use spurred by easy access to on-demand resources.

With globally scattered computing resources and a multiplying number of connected users and their personal devices, the traditional boundaries of information systems have been blurred, **leading to significant concerns about vendor lock-in, data residency, and security.**





> *The cloud is more than just a product;* ***it's a multi-faceted strategic lever***

No cloud type is perfect; each offers a unique mix of benefits and drawbacks. So much so that organisations now need to integrate diverse cloud resources to balance security, agility, and cost.

Until now, on-premises infrastructure have presented significant integration challenges within this ecosystem, even while addressing demands such as compliance, data sovereignty, cost control, application resilience against network failures, edge computing capabilities, and legacy system compatibility.

The challenge of running your own cloud

Deploying and operating your own on-premises private cloud is complex. Rightly so, cloud providers now manage and are responsible for the lower layers of infrastructure, thanks to cloud technologies.

As a result, companies lack the in-house skills and manpower to handle these projects. Instead of hiring new system and network administrators, their priority is upskilling their current teams to take advantage of next-generation architectures.

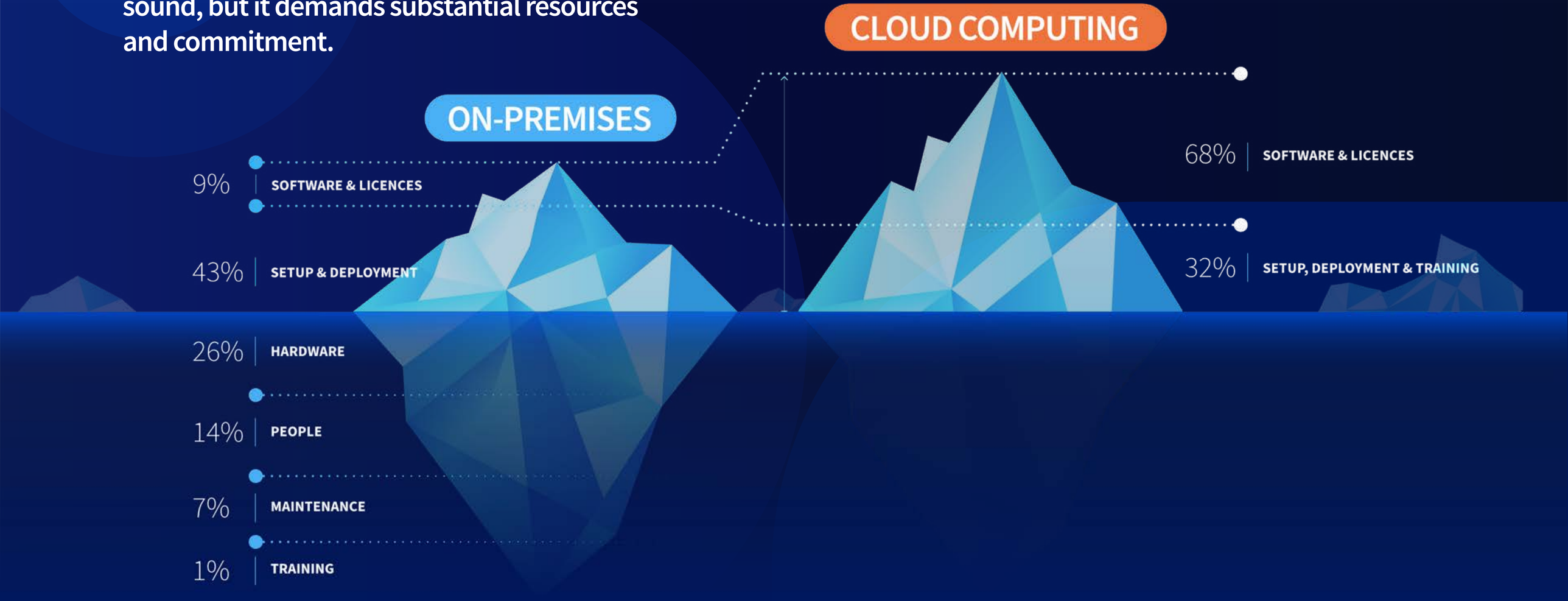
Strategic and operational headaches

Standing ready for future technology disruptions. Managing your own cloud shouldn't stifle innovation. The fact is, technologies evolve quickly (DevOps, automation, IaC, AI, etc.). How can you make sound decisions without jeopardising the future?

Being solely responsible for security. You're in the driver's seat, and that demands a lot of responsibility.

Building internal capabilities and gradually recouping the investment. The scarcity of experts capable of running a high-performance cloud increases the total cost beyond just hardware. Is this reasonable?

Self-hosting a cloud may seem strategically sound, but it demands substantial resources and commitment.



Source : HARMAN A SAMSUNG COMPANY



OPCP

by OVHcloud

A comprehensive stack for deploying, automating, and maintaining your on-premises cloud



Cloud & Play

LANDING ZONE MANAGER

Interface for deploying application environments

Click & Deploy

CLOUD STORE

Off-the-shelf software and management tools for provisioning and maintaining cloud services

Plug & Cloud

OPCP CORE

Hardware, tools, and automata to operate the infrastructure

“All the OVHcloud expertise you need.”



Cloud & Play

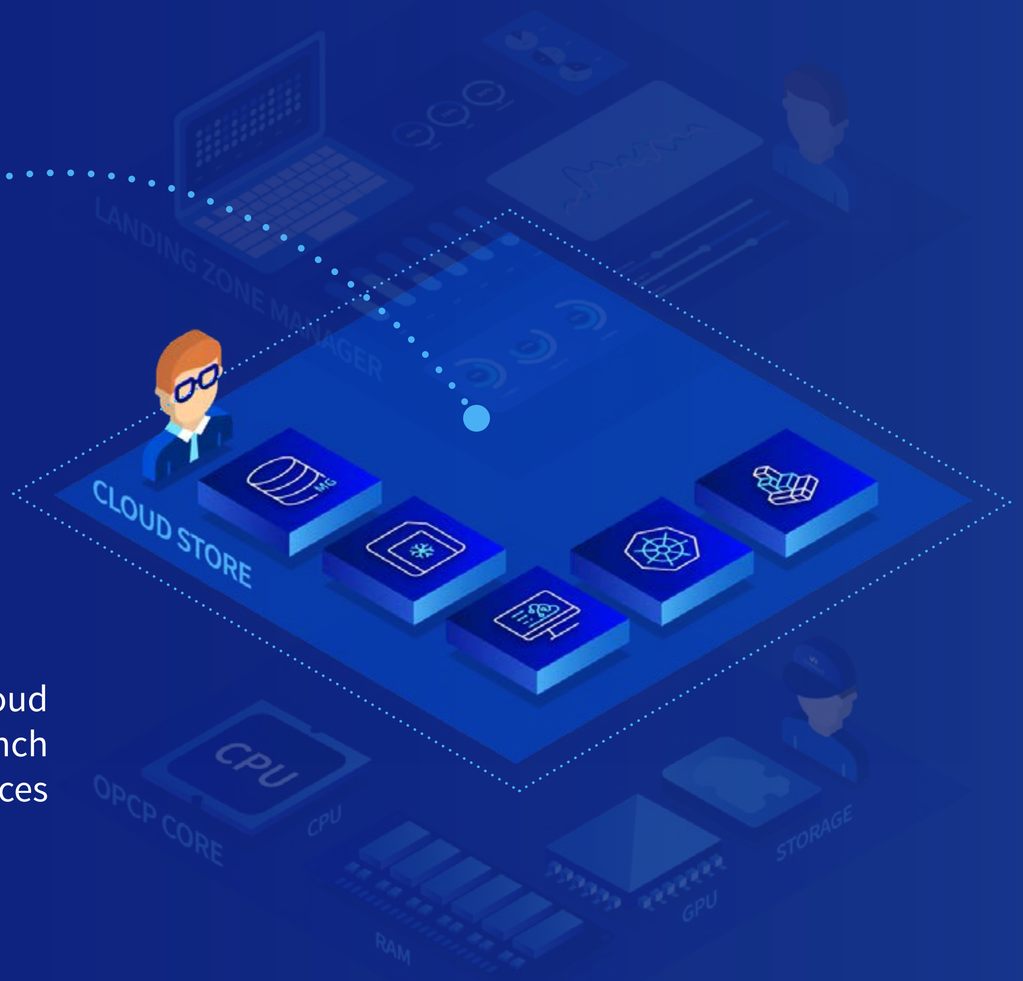
A Landing Zone Manager for cloud operators and a control panel for users

You control user and group access, resources, and quotas with the level of detail you need. Real-time monitoring improves your security management capabilities. And your users can order their resources without assistance.

Click & Deploy

A Cloud Store for deploying your applications

It’s really easy to deploy your services: you can browse Cloud Store (with 40+ pre-packaged software options) and launch deployment. Alternatively, you can self-package your services or let us handle it for you.





Plug & Cloud

A scalable, high-performance, automated platform

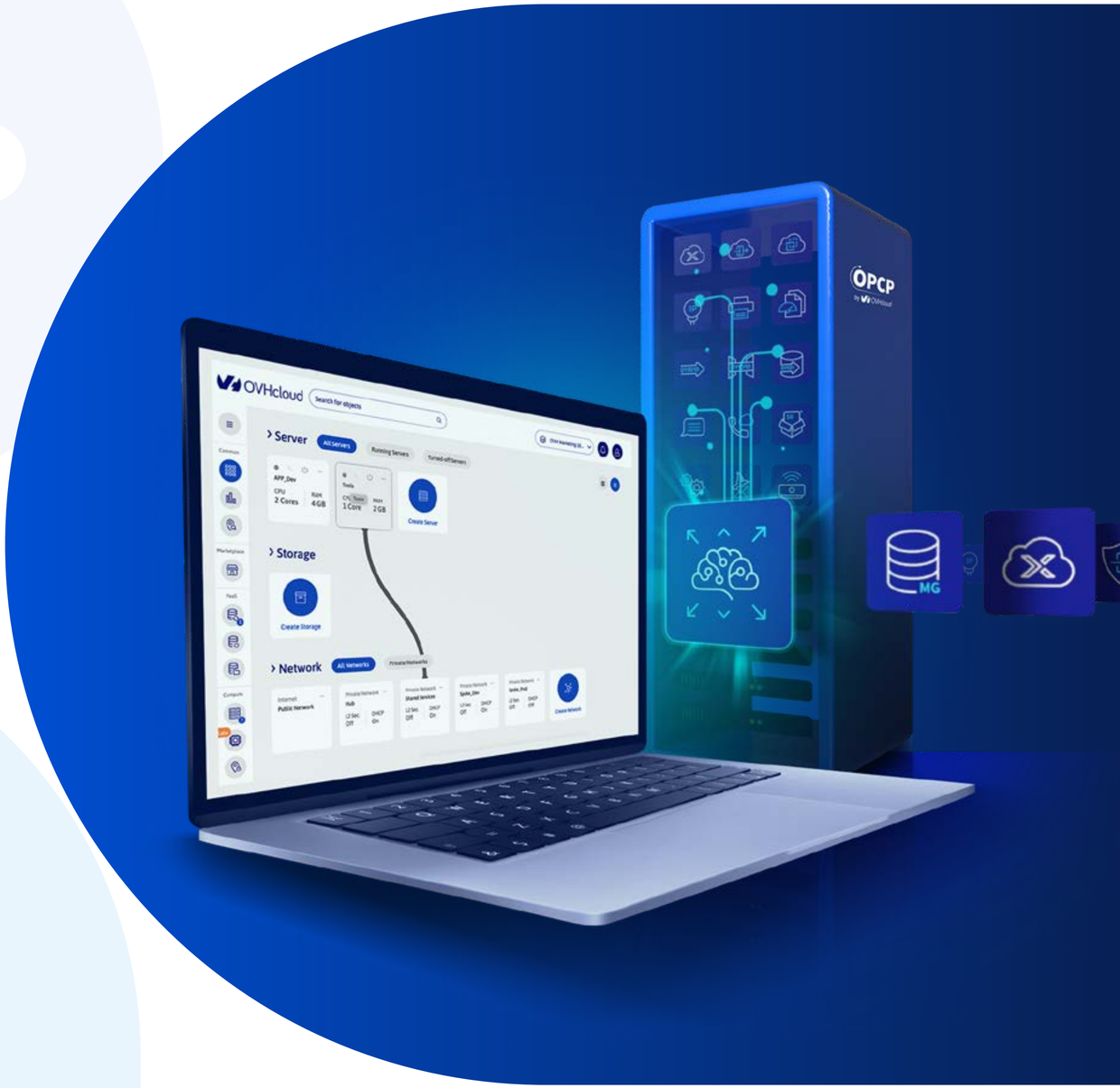
At its core, OPCP is a hardware platform. It is meticulously configured by our teams to match your workload demands: CPU, GPU, NVMe/SSD disk storage, vSAN, etc., is scalable from a 1/4 to 100 racks and arrives at your doorstep ready to plug in*.

Most importantly, this hardware platform is integrated with **a set of software assembled by OVHcloud, creating the "OPCP Core system"**—the OS for your cloud platform. This system automates machine management, including security hardening, patching, network configuration, monitoring, and node provisioning/decommissioning. You benefit from OVHcloud's industrial know-how on your premises through a powerful and reliable controller.

** Your installation will be audited for sufficient electrical and network capacity, and other necessary resources.*

Choose your delegation level: you manage it, or it's managed for you

Depending on your internal capabilities, priorities, and whether you need to work in an air-gapped environment, you can adjust how much you delegate platform management and support.



Self-managed

Co-managed
Managed Core

Fully managed
Managed Services

In any case, OVHcloud support covers various layers in all scenarios, optionally extending to open-source applications from Cloud Store.

Flexible & scalable

The industrialisation tools provided with OPCP allows for easy scaling. You can add nodes, reconfigure networks, balance loads, and redistribute data via smoothly automated processes.

Sovereign, compliant, and independent

Built upon open-source technologies, OPCP's "OPCP Core", "cloud store", and "Landing Zone Manager" directly benefit from OVHcloud's SecNumCloud-qualified infrastructure. With this reversible option, you can start your own certification process: GDPR, SecNumCloud, ISO 27001, HDS, PCI-DSS.



Protected and autonomous

With OPCP, you have the tools you need to secure your services (IAM, KMS, etc.). And for complete isolation, you can disconnect your platform from the public network (air-gapped mode). Support is always available if you run into any issues, or need help updating your machines and applications.

Innovative and powerful

Hardware selected to fit your needs. With a portfolio of readily deployable (off-the-shelf), next-generation Cloud Store services. It's perfect for a smooth transition to popular open-source technologies. AI ready: OPCP supports your AI needs, from training custom models to running inference on your datasets.

USE CASES |

Decisively addressing the needs of various business sectors





Bancassurance, finance, health, government agencies

Given the regulatory landscape of these sectors (Basel, SecNumCloud, NIS2, HDS, PCI-DSS, ISO 27001, etc.), an on-premises solution offering full flow control, auditability, and local data storage is crucial.

Connected industry, research, and factories

“These sectors require a high performance on-premises private cloud, capable of running ML/AI applications, with ultra-low latency and high resilience (zero interruption).”





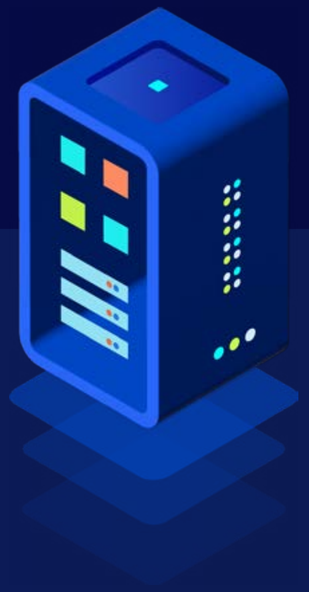
Sensitive environments and isolated sites

Isolated sites such as oil rigs, military bases, sensitive sites, etc., with poor network access require a portable, easily deployable, and self-sufficient cloud—disconnected from the public network.

Critical business and continuity

Critical activities require high availability and a foolproof disaster recovery/ business continuity plan that incorporates a distributed infrastructure across multiple datacentres, as well as on-site. Everything is seamlessly integrated and synced, enabling automatic switching between infrastructures during incidents.





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USE CASE | **01**

Operate your very Private Cloud

The need for a sovereign cloud (country- or region-wide), coupled with businesses' demand for one-stop shop IT solutions, creates opportunities for ESNs and Telcos capable of running their cloud infrastructures.

You need an on-premises cloud to host your company's critical applications and sensitive data. A cloud you can fully manage and interconnect with other resources.



Your cloud, on your premises.
For you. By You.





OPCP

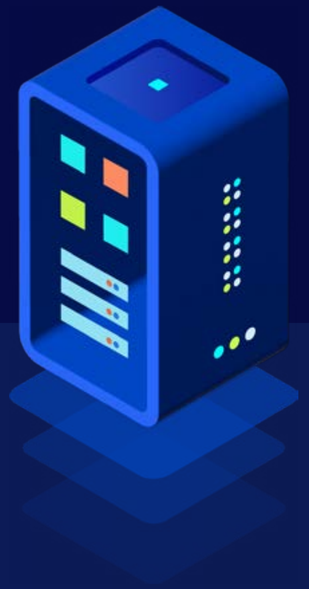
USE CASE | **02**

Become a sovereign cloud provider

The internet gives the impression that borders are a thing of the past, rendering the service provider's nationality insignificant in a globally free-trade and contract-based marketplace. The pandemic proved these borders could be swiftly restored in times of emergency. Geopolitical tensions highlight how nations can leverage their domestic companies as tools of power, particularly when such companies provide essential services to other nations.

To run essential services, and ensure the security of citizens' data and trade secrets, every nation and organisation needs sovereign technological capabilities.

Be your country's sovereign cloud.



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USE CASE | **03**

Step into the world of New Edge computing

OPCP opens up new possibilities for those needing to operate completely disconnected from the public network (air gapped). Does your application need to handle tasks in a storage warehouse, factory, supermarket, banking agency, military base, or an oil rig?

OPCP removes the obstacle of maintaining your on-premises (and possibly air-gapped) infrastructure, enabling you to run the latest AI, K8S and analytics tools.



What's more, this "cloud at the edge" is a shift away from the model of sending all data to the cloud for processing. Wouldn't processing data locally and storing results in the cloud be a smarter, safer, and more bandwidth-efficient approach to managing data from a modern factory's connected sensor?

In all aspects.



OPCP

USE CASE | **04**

AI: Your data on your premises

On-premises cloud is the best solution for securely inferencing AI models on sensitive data, including personal, health, and high-value financial data.

There are two models for solution providers: offer your AI application directly in the Cloud Store, or deploy a white-label OPCP.



Inference in private mode.



OPCP

A pairing with purpose

Proven technical solution, combined with industry-specific expertise.
Clearly, there are things we need to do together.

Cases to develop, adapt, and test

There’s no shortage of use cases: edge, factories, critical sites, disconnected infrastructure, and much more. What if we focused on one or two key areas to make real progress?

A workshop, a chat, a POC?

We don’t need to put everything on hold just yet. Let’s brainstorm, see which ideas make sense, and gradually build.

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