SNC Cloud Platform

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OPCP

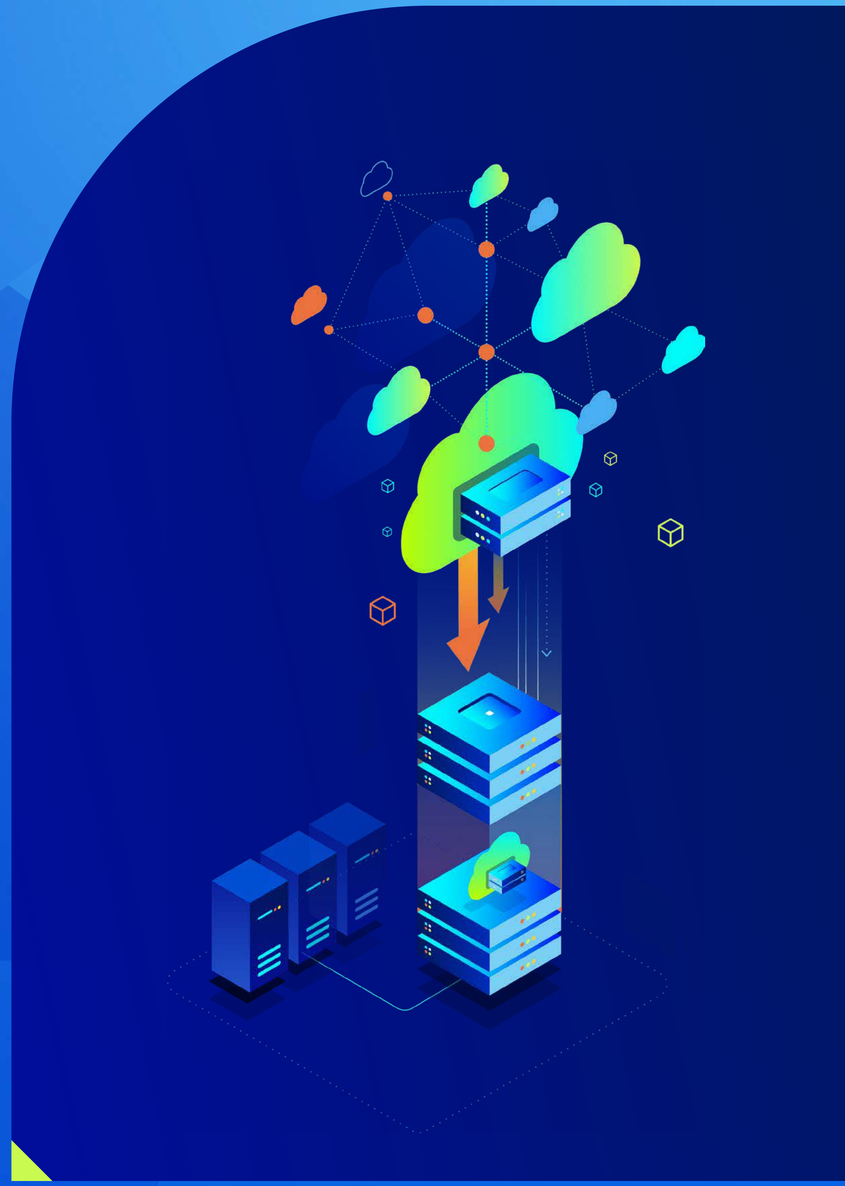
On-Prem Cloud Platform

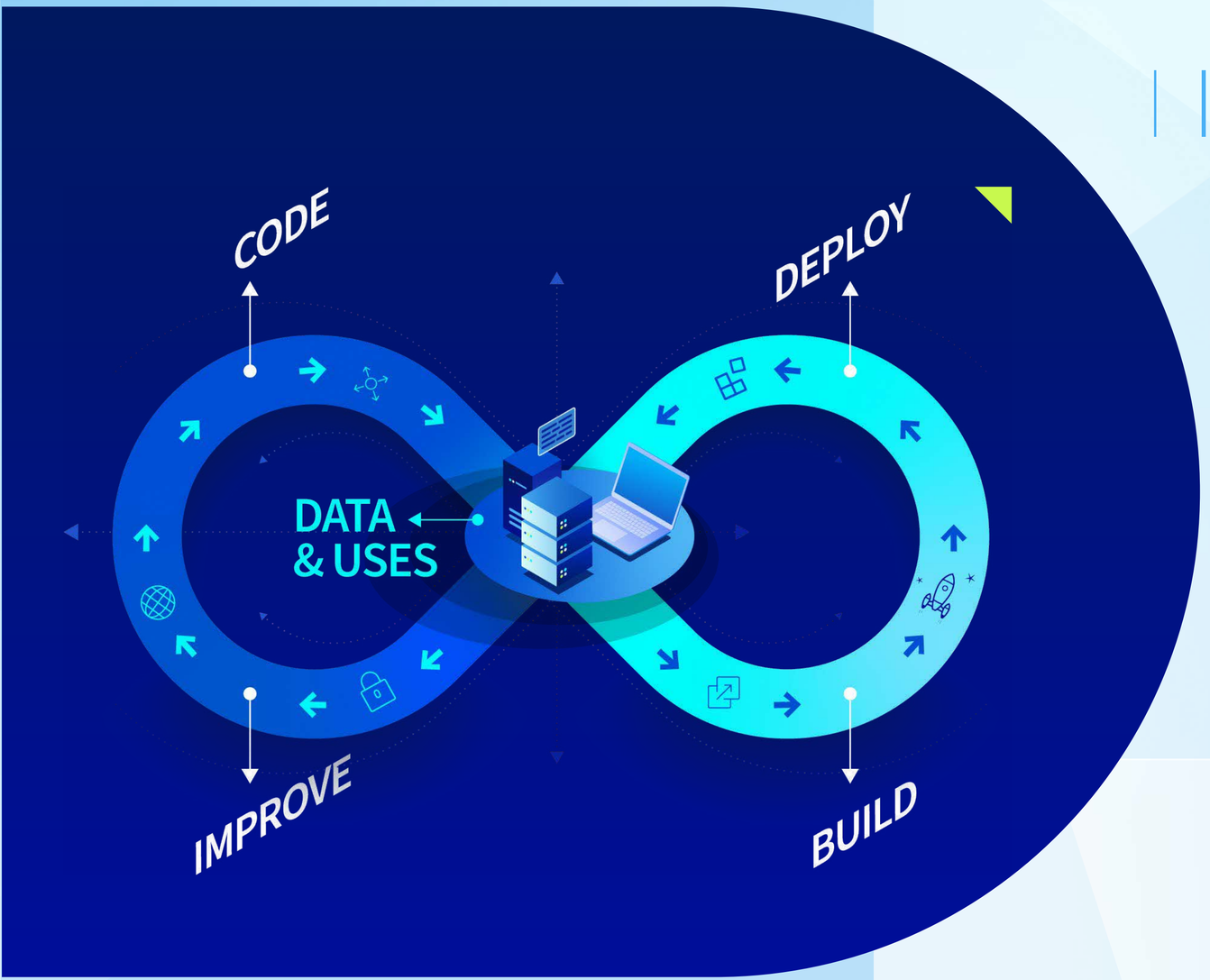
Your OVHcloud Hybrid Platform

Unify your on-premises and sovereign cloud environments.

Your OVHcloud Hybrid Platform

Sovereign cloud and on-premises solutions combined in a single stack, tailored to your needs.





The cloud has unlocked innovation

Cloud computing has significantly transformed how organisations design and operate their IT systems.

Applications can now be deployed in a matter of minutes.

Resources automatically adapt to your various needs.

Teams can test faster and roll out new services at an unprecedented speed.

For many organisations, the cloud has become the primary driver of digital innovation.

But, as demand for cloud services grows, a new reality is taking shape.

All these applications, as well as their data, can't be processed in the same way.

Not all data is created equal

Due to the growth of digital technology, analytics, and AI, companies are now processing ever-increasing volumes of data.

Yet not all of this data carries the same level of risk. Some data is readily accessible and poses minimal risk, while other data is strategic for businesses. In some cases, data is subject to specific, strict regulations.

To accurately decide where to deploy their data and applications, organisations need to keep working on classifying and managing it. That's because different data categories require varying levels of control, security, and governance

The challenge today is fully leveraging the cloud's capabilities.

It involves carrying out each task and placing each dataset in the environment best suited to its requirements.

Speeding everything up while retaining control

Today, stakeholders in both the public and private sectors face a dual challenge.

On the one hand, they need to step up their digital transformation by:

- modernising applications,
- creating new digital services,
- integrating artificial intelligence.

On the other hand, they need to maintain strategic autonomy by:

- having control over where their data is stored,
- ensuring the continuity of critical operations,
- minimising technological dependency,
- protecting their most critical systems and sensitive data.

The cloud should therefore support rapid innovation without compromising control over infrastructure and data.

Hybrid cloud architecture: a benchmark model

Organisations are adapting their strategy to tackle these challenges.

Rather than relying on a single environment, they now combine several models:

- public cloud for innovation and resilience,
- on-premises infrastructure for sensitive workloads,
- sovereign environments for regulated data.

Here, IT systems are built on **a hybrid architecture that integrates various environments**, so each workload can be deployed where it performs best.

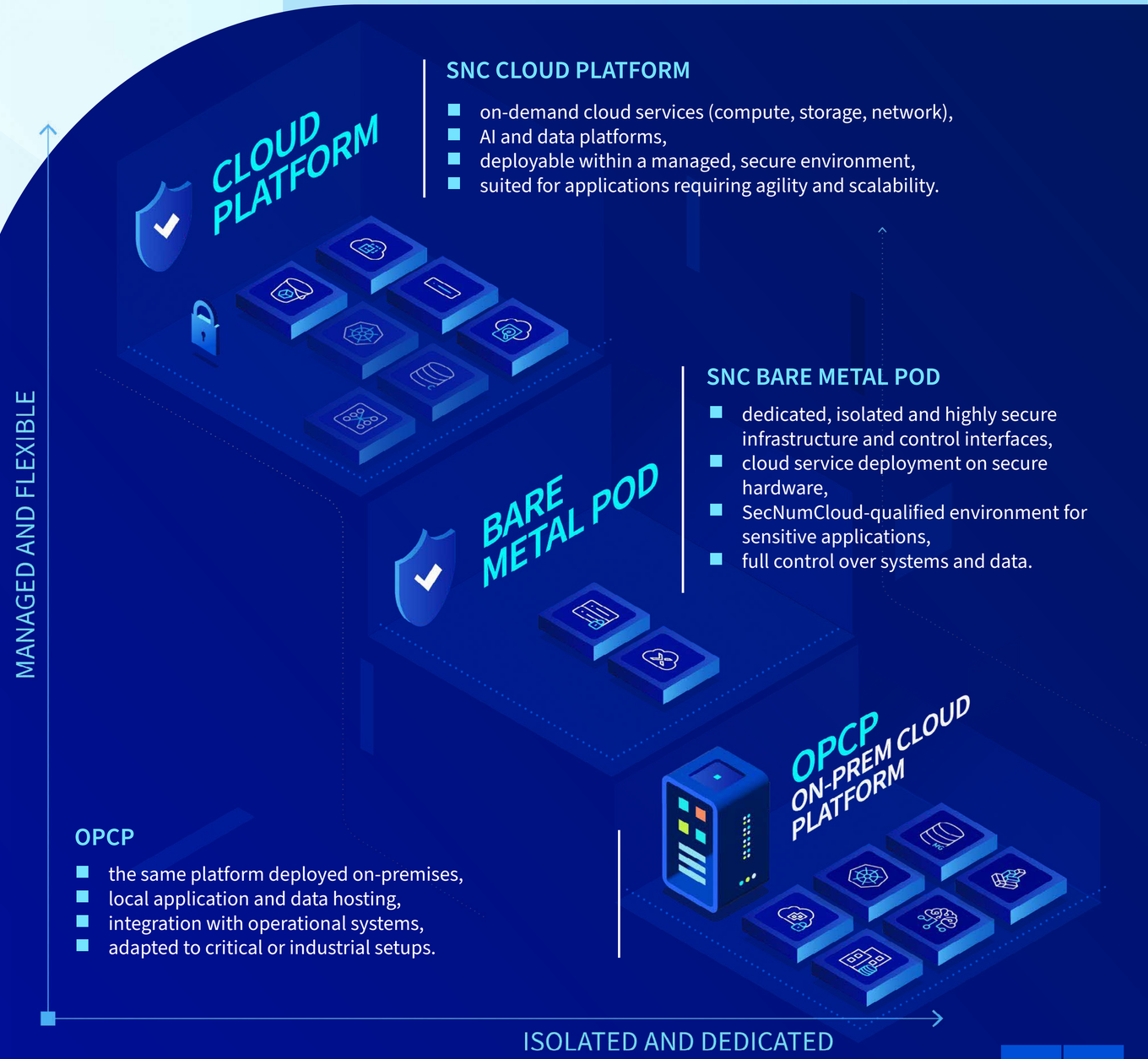
The real challenge isn’t choosing a model but combining these environments in a way that makes sense.

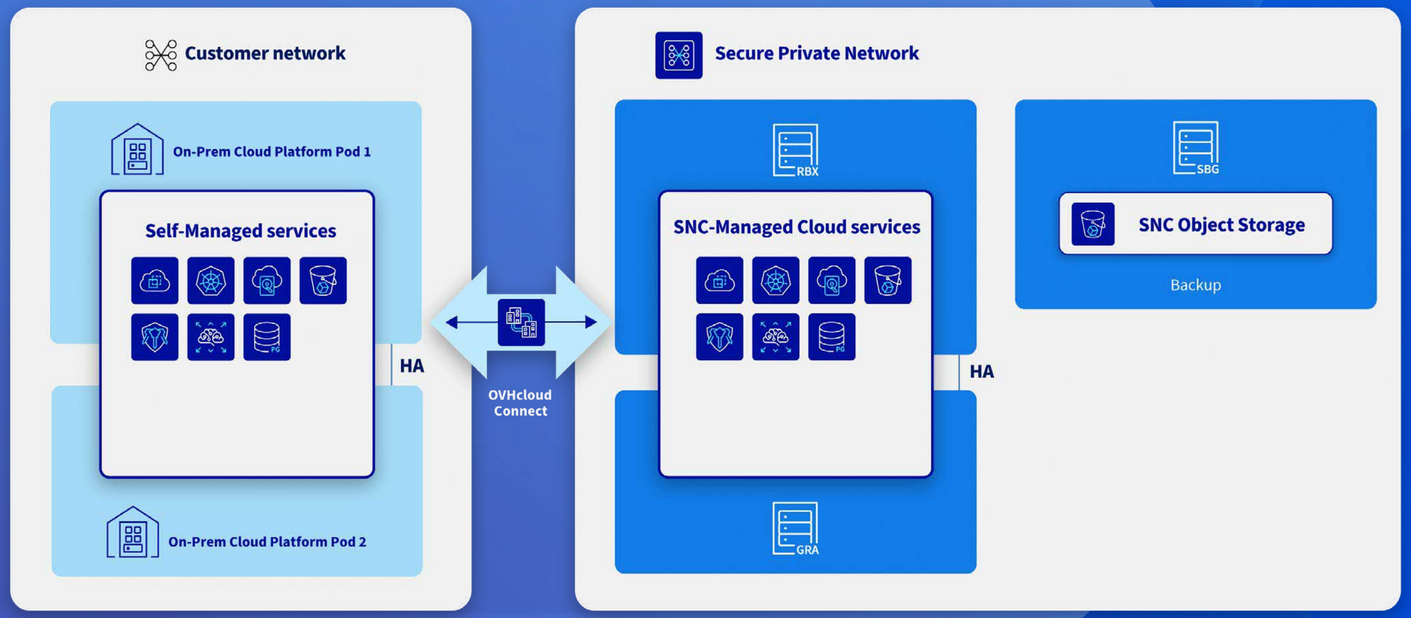
A unified technology stack, deployable across any environment

OVHcloud's trusted cloud services and OPCP are built on technology that enables the deployment of a cloud environment across various hosting models.

This means the same technologies and APIs can run across all environments, using integrated deployment, operational tools, and a single operating model.

It allows organisations to move workloads seamlessly between systems and ensure consistent management of extended cloud infrastructure.





A secure hybrid architecture

The hybrid architecture is based on a secure link connecting OVHcloud's cloud environments to the OPCP solution deployed on-site.

This architecture helps maintain operational continuity across various environments, ensuring a high level of security.

SNC and OPCP are particularly linked by:

- secure connectivity between infrastructures,
- isolated mechanisms for application environments,
- consistent security policies across cloud and on-prem setups,
- governance mechanisms for operational control.

This approach ensures:

- secure data communication between systems,
- the consistency of security policies,
- the continuity and resilience of critical systems.

The benefits of Hybrid OVHcloud Platform

With its hybrid design, this architecture leverages different environments while ensuring the consistency, security, and performance of IT systems.

Optimal workload allocation

Workloads come with various limitations, and their positioning can be suitably managed through a hybrid model, taking into account their criticality, data sensitivity, and relevant regulatory requirements.

Accelerated innovation

Public cloud can be used for fast building and testing, as well as for experimenting with new services. These services can then be deployed within a controlled environments thanks to OPCP or SNC. As a result, innovation is no longer stifled, but channelled.

A balance between agility and control

With a hybrid architecture, environments focused on flexibility can be separated from those requiring control and compliance. This helps avoid applying the same rules to all applications.

Integrated security and compliance

Not all workloads demand the same level of security. A hybrid architecture enables the adjustment of security protocols, data residency, and compliance requirements. This makes SNC Cloud Platform suitable for applications requiring the highest levels of security.

Comprehensive cost optimisation

Setting up environments with stringent requirements, such as SNC or OPCP, can be very costly. Though hybridisation, these resources can be saved for tasks that truly require them, and standard workloads can operate on less expensive platforms.

Enhanced resilience

Distributing workloads across various systems helps minimise single points of failure, isolate issues, and guarantee business continuity. Architecture therefore serves as a powerful tool for building resilience.

Performance tailored to specific uses

Processing can be performed as close as possible to users or systems using OPCP — whether in secure environments with SNC or at scale via public cloud. Performance is therefore an architectural decision, not a limitation.

A hybrid architecture tailored to a wide range of uses

OVHcloud's hybrid architecture addresses the diverse needs at the core of today's organisational IT systems.

Regardless of the sector — public, industrial, energy, health, or digital — organisations share the same need to modernise applications, utilise data, maintain operational continuity, and meet security and compliance requirements.

A hybrid architecture, built **on a combined OPCP-SNC stack**, effectively tackles these challenges in a consistent manner.

An overarching strategy, regardless of the scenario:

- phased modernisation of existing systems,
- data utilisation and recovery,
- large-scale deployment of digital services,
- local data processing where necessary,
- business continuity and critical systems management.

Versatility across industries:

- highly regulated environments (public, healthcare),
- industrial and operational systems (industry, energy),
- large-scale digital services and platforms.

The following cases illustrate how this approach can be implemented in various settings.

Use case #01

A hybrid approach to modernising public digital services

Public sector bodies face the need to update their critical and highly integrated IT systems, without disrupting existing ones.

A hybrid architecture, based **on the same OPCP and SNC cloud stack**, enables the gradual update of IT systems without disruption.

The same cloud platform across all environments

- application deployment via the same tools (CI/CD, containers, APIs),
- application portability between on-premises and cloud environments without refactoring,
- utilisation of the same runtime environments.

Uninterrupted running of new and existing services

- stable connectivity between older applications and new cloud services,
- data processed locally and utilised in the cloud,
- shared use of operational tools across teams.

With OPCP, they can:

- deliver services as close as possible to government agencies and existing systems,
- process sensitive data locally,
- integrate new solutions with legacy IT systems.

With SNC, they can:

- quickly launch new digital services,
- leverage modern cloud platforms for applications,
- handle periods of high demand in public services.

Specific benefits of hybrid systems

- Phased modernisation without a complete overhaul of IT systems
- Consistent application deployment across environments
- Smooth functioning of legacy and cloud-based infrastructure
- Reduced digital transformation risk

Use case #02

Uninterrupted data streams from the factory to the cloud

Industries demand real-time data processing with advanced analytics tools.

Here, a hybrid solutions allows for **uninterrupted processing between industrial edge and cloud setups.**

Centralised data pipeline
- local data ingestion via OPCP,
- real-time on-site data processing,
- data uploaded to SNC for comprehensive analysis.

Identical stacks and models deployable across all platforms
- AI models trained in the cloud, deployable directly on-site,
- shared data processing tools for cloud and factory environments.

With OPCP, they can:
- process industrial data in real time,
- run algorithms locally,
- ensure complete hardware oversight.

With SNC, they can:
- train AI models,
- perform complete multi-site analysis,
- optimise industrial processes.

Specific benefits of hybrid systems

- Complete data loop (collection → analysis → utilisation)
- Simplified deployment of AI models from the cloud to where they are needed
- Minimal latency without loss of analytical capabilities
- IT and OT data tool alignment

Use case #03

Managing energy infrastructure with a hybrid, distributed architecture

Energy operators and providers require a decentralised system to meet specific resilience and oversight needs.

Thanks to hybridisation, a **unified system** can be used to **perform tasks across various locations.**

Centralised oversight plus local utilisation
- critical on-site processing,
- cloud-based data consolidation,
- comprehensive real-time control.

Consistent application environment
- the same applications deployed across several sites,
- unified operational management

With OPCP, they can:
- locally manage their setups,
- operate critical systems,
- integrate software into field equipment.

With SNC, they can:
- collect data from multiple locations,
- forecast and optimise networks,
- ensure complete oversight.

Specific benefits of hybrid systems

- Business continuity even when connectivity is lost
- Full visibility without compromising local operations
- Consistent deployment of applications across all sites
- Improved real-time management

Use case #04

A hybrid approach to health data

Health institutions face the need to protect data while also processing it locally to innovate.

Using a hybrid approach enables the **clear distinction of uses without impacting technical continuity.**

Combining on-site sensitive data with advanced cloud capabilities
- local patient data processing,
- cloud-based AI and research.

Workload portability
- the same applications deployable on-premises and in the cloud
- uninterrupted operation of tools and environments.

With OPCP, they can:
- process clinical data locally,
- rely on hospital IT systems,
- ensure regulatory compliance.

With SNC, they can:
- perform analytics at scale,
- build AI models,
- conduct medical research.

Specific benefits of hybrid systems

- Secure use of sensitive data
- Access to advanced capabilities without moving critical data
- AI-powered healthcare projects
- Stable application environments.

Use case #05

Deploying SaaS solutions with a cloud and on-site (hybrid) infrastructure

Publishers need to deploy their solutions across diverse environments while maintaining technical consistency.

Through hybridisation, they have **control over how their applications are distributed.**

Multi-environment deployment using a single stack
- the same application deployed via SaaS mode or on-premises,
- unified tools and pipelines.

Native-hybrid model
- cloud-based SaaS,
- local extensions on the customer's pre-mises.

With OPCP, they can:
- deploy on their premises,
- integrate the solution with local systems.

With SNC, they can:
- deploy SaaS applications at scale,
- operate cloud-based platforms.

Specific benefits of hybrid systems

- Single-product model for multiple deployment modes
- Reduced development costs
- Tailored to customer limitations
- Faster time-to-market

Use case #06

Enhancing the resilience of systems with a hybrid architecture

A hybrid model allows for the creation of a **cloud-native DRP strategy.**

What hybridisation enables in practical terms

Identical environments simplify recovery
- the same environments for production and disaster recovery
- quick redeployment without adjustments.

Automatic failover
- data replication,
- automated recovery orchestration.

With OPCP, they can:
- run critical systems smoothly,
- ensure the best local performance.

With SNC, they can:
- host backup environments,
- quickly restore their systems.

Specific benefits of hybrid systems

- Significantly shorter recovery times (RTO/RPO)
- Operational continuity (overflow)
- Simplified recovery tests
- Environment consistency

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A pairing with purpose

A 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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