OPCP

On-Prem Cloud Platform

Protect. Empower. Serve.

A sovereign cloud for regional governance.

A sovereign, local, and automated platform to accelerate digital transformation across regional authorities.

Digital technologies: a major draw, key enabler of industrial renewal, and driver of regional growth.

Regional authorities do not modernise simply out of technical necessity. They do so because digital technology is now key to their appeal and **economic strength**. By improving the quality of public services, streamlining processes, enhancing infrastructure reliability, and ensuring data security, local authorities create a conducive environment for thriving local economic and social growth.

These innovations reinforce the economic foundation, as SMEs, mid-sized companies, craftspeople, startups, tourism-related businesses, nonprofits, and local industries rely on the excellence of regional digital technologies to innovate, recruit staff, grow, and attract new clients.

When a region is well equipped, operates with a clear structure, and maintains control over its digital infrastructure, it becomes more competitive, welcoming, and resilient.

Digital transformation enables local authorities to support economic growth, promote entrepreneurship, facilitate the development of innovative services, and boost the region's long-term appeal for both residents and professionals.

Digital technology is no longer just a tool but a driving force behind economic growth, social cohesion, and the prosperity of local communities.

Accelerated digital transformation as a key structural driver for regional development.

A locally delivered public service with a high level of responsibility.

Regional authorities are central to democratic, civic, and day-to-day life. They are responsible for managing essential public services, local infrastructure, community support services, urban planning, education, transport, etc. They permanently take on critical responsibilities, often with **limited resources, pressing operational needs, and growing citizen expectations.**

This context makes digital modernisation a necessity, beyond simply acquiring new tools. It demands tangible improvements in the **quality of services provided to residents, higher staff productivity, and stronger support for local authorities** in carrying out their duties.

A foundational shift that redefines grassroots public engagement.

Digital modernisation in regional authorities is now entering a more ambitious and formative phase, becoming more strategically crucial year on year.

This new dynamic involves **an in-depth transformation**, covering both organisation and infrastructure, that standardises systems, enhances data circulation, informs public decision-making, and supports the development of new local services. All while redefining **how local authorities operate, cooperate, and serve their citizens.**

A major challenge here is how to enhance the performance of local public services without compromising operational oversight, data security, or autonomy over technology decisions.

Local authorities at the crossroads of growing challenges and digital service ambitions.

Increasingly complex operational realities.

Local authorities across France and Europe face the same challenge: to do more, faster, and better—with limited resources.

Regional authorities and their IT providers grapple with the persistent issue of **outdated applications** that demand constant upkeep. In addition to facing **rising** public cloud or outsourcing **costs**, they have to navigate inconsistencies across **fragmented tools** used by different local authorities, schools, and departments. This also includes **the sometimes complex web of governance** between various tiers of local government and joint committees.

Moreover, managing day-to-day operations is demanding, and there is a **shortage of skilled personnel** to meet the growing demand for digital services.

Escalating system limitations.

These everyday difficulties are compounded by urgent foundational concerns:

- compliance with **a regulatory framework** that is constantly evolving,
- the need to ensure **service continuity** during emergencies,
- a noticeable difference in **how actively local authorities within the same region use digital tools,**
- **a rising number of providers** and partners, which makes coordination even more challenging.

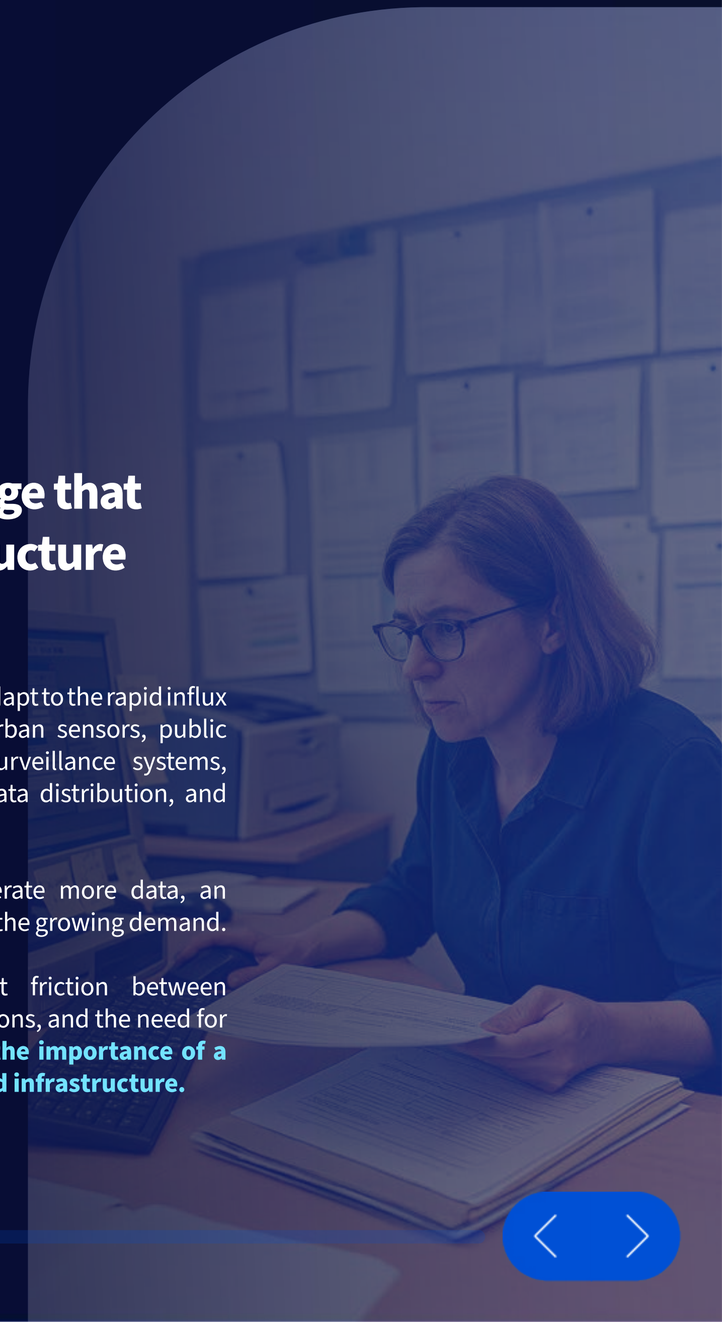
These factors prevent regional authorities from undertaking well-coordinated and ongoing modernisation efforts.

A sharp rise in usage that puts local infrastructure under strain.

In parallel, local authorities must adapt to the rapid influx of new requirements, such as urban sensors, public engagement platforms, video surveillance systems, geographical or environmental data distribution, and real-time management.

As these uses expand and generate more data, an infrastructure is needed to handle the growing demand.

This situation creates constant friction between political goals, operational limitations, and the need for digital sovereignty, **highlighting the importance of a cohesive, reliable, and controlled infrastructure.**



The key digital challenges facing regional authorities.

Security and cybersecurity: a top priority

Local authorities are entrusted with sensitive data, including civil registration records, electoral registers, school data, community support services, urban planning, etc., which now makes them the prime target of cyberattacks.

→ **They require local, secure, segmented, and hardened hosting.**

Sovereignty and compliance

Local authorities have a duty to comply with the GDPR, monitor and manage data flows, and avoid becoming overly dependent on external cloud providers.

→ **They need compliant, local, and controlled infrastruture.**

Diverse regional authorities, uneven connectivity

Small towns and remote areas should be afforded the same level of service as cities.

→ **A centralised cloud is not enough.**

→ **A local, distributed, and resilient solution is necessary.**

Service continuity

Public engagement platforms or local government systems need to be robust enough to stay operational under any circumstances: climate crisis, a surge in requests, network outages.

→ **The ability to operate locally is a deciding factor.**

Incompatible legacy IT systems

For decades, business tools have been deployed in areas such as finance, HR, urban planning, transport, and education.

→ **There is a need to modernise without disruption, and to harmonise without replacing everything.**

High public expectations and frustrated local authority staff.

As digital tools become ubiquitous, local authorities face growing pressure from citizens and staff whose current tools cannot keep pace with their needs. This double bind highlights the widening divide between expectations and the actual performance of local authorities' IT systems.

Citizens' expectations are rising sharply.

And residents now expect local public services to be:

- accessible 24/7,
- simple and easy to use,
- secure, transparent,
- able to stay online even during incidents.

Their daily activities, from handling processes and inquiries to notifications, financial transactions, and communications must **be smooth, reliable, and uninterrupted.**

Local authority staff need modern and efficient tools.

Public sector workers require current and compatible tools, high-performance applications, and IT systems that truly facilitate their duties, rather than adding to their workload or causing friction between departments.

However, in many areas, digital solutions are still fragmented, dependent on external providers, slow to evolve, vulnerable to security risks, and costly to maintain.

As expectations outpace infrastructure's abilities, local authority teams face mounting pressure, which in turn compromises the quality of service they deliver.

Why a traditional cloud, even a secure one, is not enough?

Opting for **a secure cloud, especially one** certified to the highest standards like SecNumCloud, greatly enhances data security. However, for local authorities, this **fails to reflect their operational realities.**

Because they are designed for a centralised model, these solutions only partially tackle the varied regional realities and local business demands.

A cloud, no matter how sovereign, cannot address:

- → **the gradual modernisation** of a legacy IT system that cannot be migrated in one go;
- → **the marked disparities** between local authorities, schools, services, and remote sites;
- → **limited internet access in rural or remote areas**, where network connections are unreliable;
- → the need to keep some services running, albeit at a **reduced capacity** or even offline, is particularly important during emergencies;
- → the growing need **for shared services between local authorities**, which cannot be supported by a centralised cloud;
- → **the lessening of the operational workload** for local authority teams, who have to work within an increasingly complex context;
- → **the integration of legacy business applications**, often incompatible with a lift-and-shift cloud migration.

This chasm between the cloud's potential and on-the-ground realities demonstrates that a secure cloud alone **cannot provide** the foundation for a truly integrated, sovereign and operational infrastructure at the local level.

Regional authorities need much more than just secure hosting: **they need a complete, local, automated, and scalable platform.**

This is precisely what **OPCP** delivers: a sovereign base, installed locally, tailored to the practical requirements of local authorities, and designed to complement **the public cloud** in a controlled hybrid setup.

OPCP does not replace the cloud: it complements, balances, and grounds it in the local environment.

OPCP, a modern and operational cloud deployed within your region, with your technology partners.

The OPCP (On-Prem Cloud Platform) solution seamlessly integrates with existing technical setups and becomes the primary cloud infrastructure for hosting your local applications.

In practical terms, this means your core software or SaaS solutions (finance, civil registrations, urban planning, citizen engagement platforms, region-related data, internal tools), run on **a controlled foundation that is readily available to teams, and aligns with operational needs.**

This local setup provides a clear benefit: local authorities no longer need to manage fragmented IT architectures, or complex dependencies between providers.

OPCP brings together your digital services within a single, secure, and consistent environment, leading to faster deployments and more reliable and predictable operations.

Access management is centralised and simplified, and supports local authority categorisation (e.g., by service, local council, usage, or role).

The predictable cost model, which limits overconsumption or fluctuating charges linked to traffic and storage, further contributes to **improved budget control.**

With OPCP, **new applications can be deployed in minutes**, eliminating the need for lengthy projects or complex configurations. Local authority staff and business services can streamline their consumption using seamless, standardised, and secure tools, readily accessible without extra technical effort.

Because of it is physically present on-site, OPCP ensures continued service availability, even during network congestion, connection failures, or emergencies. And to further improve this continuity, **OVHcloud offers comprehensive platform maintenance and management**, ensuring that it is always updated, secure, and fully operational.

As a result, OPCP stands as a vital resource for both technical and administrative teams, providing a cloud infrastructure that is sovereign, stable, and high-performing. This is all engineered to sustainably support the modernisation and efficiency of local government services.

The OPCP response: a proven modular architecture.

OPCP is a cloud platform **that can be deployed on-site** in various locations, e.g., in a town hall, a local datacentre, a joint council headquarters, a local authority, etc.

It combines:

- → **the power of the cloud,**
- → **the proximity and sovereignty of an on-premises setup,**
- → **advanced automation,**
- → **operational simplicity,**
- → **the ability to operate even with a spotty connection.**

OPCP is not an underlying infrastructure **but a complete, unified, turnkey platform designed for place-based setups.**

It forms a sovereign base designed to integrate with the local digital ecosystem.

LANDING ZONE MANAGER

Fine-grained control, with isolation at the local and service level, quota management, segmentation capabilities, and simplified administration.

CLOUD STORE

Quick deployment of business services: VMs, databases, public engagement platforms, AI, open data, GIS, internal tools.

OPCP CORE

Full infrastructure automation: automatic server, network, security, observability, and resilience onboarding.

> *OPCP, a sovereign, modular, and operational platform.*

Practical uses aligned with the realities of each regional authority.

Despite sharing many similar challenges, local authorities each function within a unique context defined by geographic size, available resources, organisational structure, digital maturity, and geographical or regulatory constraints.

This is why **there is no one-size-fits-all approach.** The challenges faced by large cities are different from those of smaller towns. Similarly, the priorities of a department (French sub-regional authority) will differ from those of a local authority.

OPCP was designed to **accommodate this range of factors**, functioning as a sovereign, modular and operational platform, capable of aligning with existing infrastructures, business needs, and regional objectives.

The use cases shown here are only a fraction of the possibilities. They illustrate how OPCP can be applied to real-world situations, while remaining flexible enough for region-specific projects and digital trajectory.

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USE CASE | **01**

Gradual modernisation of regional IT systems: tailored services supported by your local partners.

Local authorities rely on essential legacy applications for their day-to-day tasks, including finance, civil registrations, urban planning, community support services, school data. As a result, many critical components cannot be replaced overnight. Upgrading a regional authority's IT systems therefore involves evolving without disruption, harmonising existing and new uses, all while maintaining flawless public service continuity.

With **OPCP**, local authorities can:

- → safely incorporate **new digital services into their legacy applications**,
- → **gradually migrate** to cloud-ready architectures, without major overhauls or service downtime,
- → **automate deployments**, updates, and recurring operations to reduce the burden on IT teams,
- → **simplify operations** on a daily basis through a unified and standardised infrastructure,
- → **enhance interoperability** between services/ local councils, applications, and data to streamline internal and user journeys.

OPCP sets the stage for long-term modernisation: controlled, gradual and sovereign, without disruption or dependency.

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USE CASE | **02**

Local data warehouse: digital transformation driven by your past partnerships.

Data within many local authorities is scattered across various services, business tools, external partners and providers, making it difficult to use holistically.

Because of this lack of coordination, regional authorities struggle to manage their public policies, generate reliable indicators, and develop new data-driven digital services. Building a shared vision then becomes a strategic objective to amplify the impact of grassroots efforts.

Thanks to **OPCP**, local authorities can create a **sovereign data warehouse**, bringing together key regional public services:

- finance,
- urban planning,
- waste management,
- transport,
- community support services,
- education,
- open and geographical data.

This unified foundation allows for:

- strategic analysis and the generation of reliable indicators,
- informed decision-making,
- process automation and alerts,
- the development of new AI-powered and data-driven services.

With OPCP, data within regional authorities becomes a catalyst for progress in management, innovation, and local sovereignty.

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USE CASE | **03**

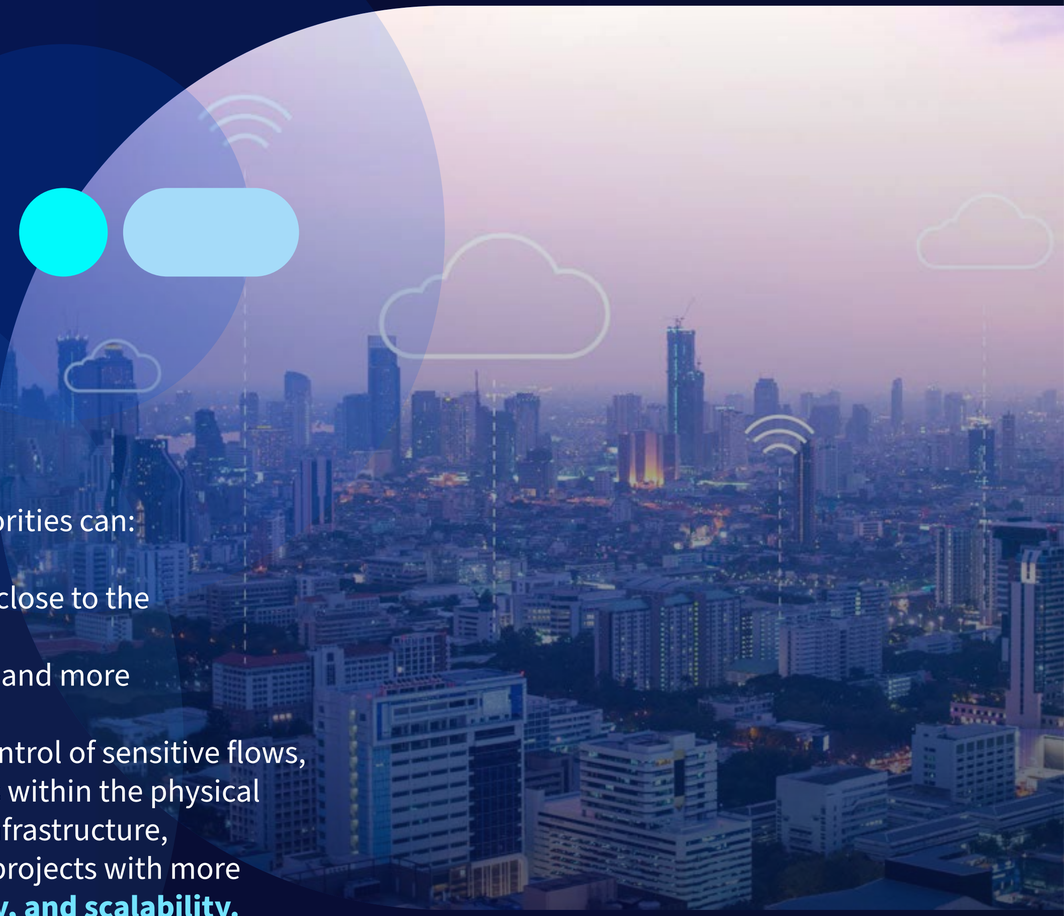
Smart city and regional-level IoT

Regional authorities are investing more and more in smart city technology, such as urban sensors, smart transport systems, security systems, public safety networks, environmental monitoring equipment, or connected infrastructure.

These devices generate an ever-growing amount of data that needs to be processed quickly and reliably for better city operations, stronger security, and more efficient public services. Without a high-performing local foundation, these applications cannot reach their full potential.

Thanks to **OPCP**, local authorities can:

- → **process data on-site**, as close to the source as possible,
- → **reduce latency** for faster and more reliable response times,
- → **enhance security** and control of sensitive flows,
- → ensure **critical data** stays within the physical boundaries of the **local** infrastructure,
- → **manage** their smart city projects with more **sovereignty, consistency, and scalability.**



OPCP provides regional authorities with a strong foundation for more agile, secure and truly controlled smart city operations.

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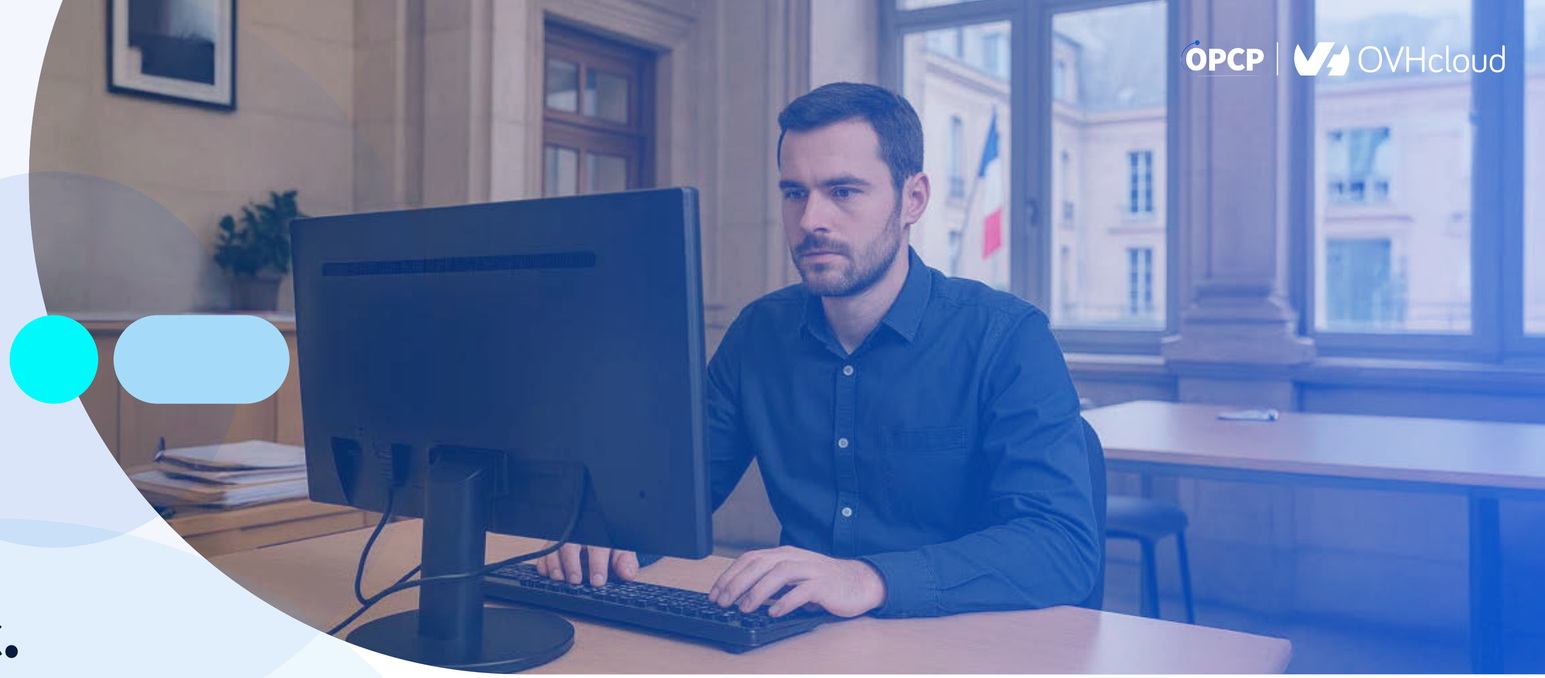
USE CASE | **04**

The hybrid approach: OPCP and Cloud Public.



The challenge, for local authorities, has shifted from choosing between a public cloud and a local infrastructure to **combining the two.**

Some services require sovereign and controlled hosting, while others can rely on the flexibility of the public cloud. Because of this, the hybrid model plays a vital role in balancing performance, security, agility, and cost.

Regional authorities can rely on **OPCP to:**

- **run highly sensitive** or regulated **workloads** within **their own infrastructure,**
- benefit from the **public cloud for less sensitive services** or those requiring high scalability,
- **control all data flows** between local and external environments,
- **maintain total sovereignty** in their technological decisions and how they process data,
- **ensure complete interoperability** between applications, infrastructures, and services.

Through OPCP, local authorities can adopt a sovereign, agile hybrid model that is expertly tailored to their multifaceted realities.

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USE CASE | **05**

Secure local enclave.

Sensitive data relating to electoral registers, community support services, business continuity plans (BCP/DRP), public safety, and critical archives demand the highest level of protection.

For local authorities, maintaining the integrity, confidentiality, and accessibility of these key elements is a major undertaking, one that is often difficult to accomplish using legacy or external systems.

OPCP enables them to build an ultra-secure local enclave that is air-gapped and completely isolated, ideal for:

- processing and storing highly sensitive data,
- statistical or decision-making analysis that demands a high level of protection,
- running critical workloads independently,
- maintaining operations even in a reduced capacity during network failures or emergencies.

OPCP provides local authorities with a sovereign and resilient space, designed to protect their most critical digital assets.

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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