



OneCloud Sovereign Shield

Data sovereignty on AWS

Unlock the full
power of AWS
cloud for sensitive
data processing



Why sovereignty matters

How can you ensure full control over your data flow when selecting a cloud provider?

With the rapid adoption of cloud and the proliferation of information, data is now being processed and stored across national boundaries, relying on foreign technologies.

Many organizations are voicing legitimate concerns not only about data, but also about technological and digital sovereignty, since there is now a higher risk of exposure to extra-territorial regulations and operational dependence on the suppliers' national jurisdiction.

“46% of European CEOs will accelerate the shift to the cloud as their most strategic IT initiative in 2022 and 23% of European CEOs see cloud providers as their number 1 strategic partner for their digital future.

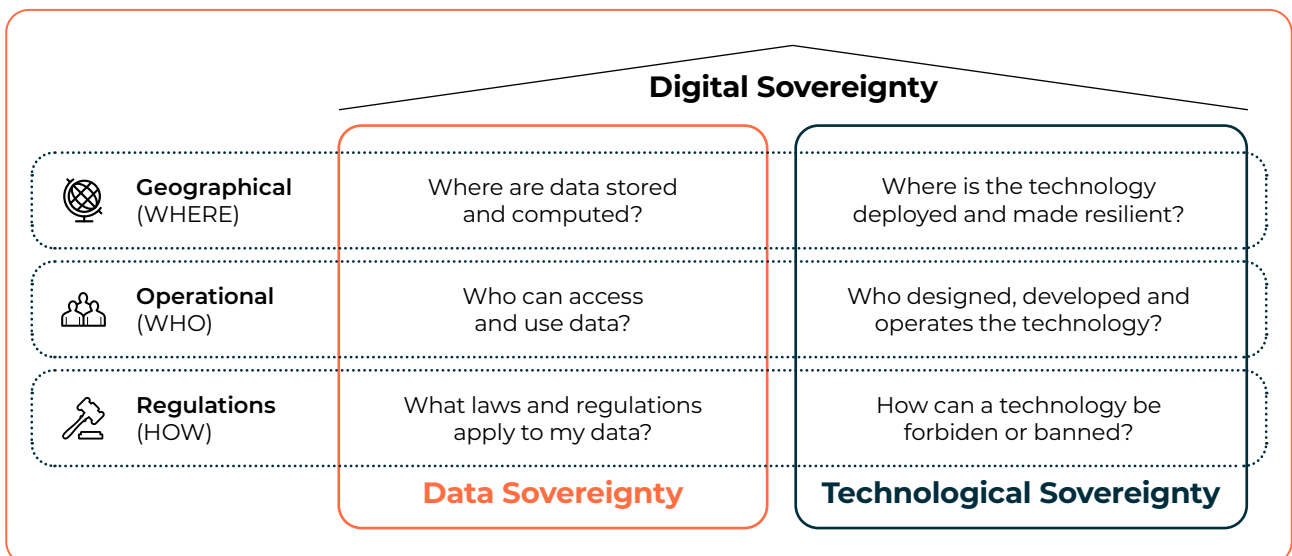
What does this migration to the cloud mean for your sovereignty?”

2022 IDC survey of 103 CEOs across Europe.

What is sovereignty?

Data sovereignty and technological sovereignty are the two pillars of digital sovereignty. Eviden defines sovereignty as the degree of control an organization has over its digital environment (data, applications, software, systems and hardware), in alignment with the World Economic Forum (WEF) [definition](#).

This degree of control must be managed across many dimensions — mainly geography, operation and regulations underpinned by a security strategy.



Improve control over your data

Control over digital assets is increasingly important. As digital sovereignty policies and local constraints change, organizations need to adopt the appropriate level of digital sovereignty for every dataset and application, depending on its level of sensitivity. However, some of your highest sovereignty requirements prevent you from leveraging the full range of AWS cloud services.

Eviden offers a comprehensive framework of solutions tailored to meet the unique data sovereignty needs of its customers in the AWS cloud. We help you strike the perfect balance between agility and control, always keeping your best interests in mind. To achieve this, Eviden provides a tailored, adaptable solution that aligns with your organization's goals, backed by our consultancy services, advanced technologies, seamless integration with AWS native services, and comprehensive managed security services.

Our consulting services help clearly identify which solution is best suited to your sensitivity needs and find the proper balance between agility and control, establishing a well-defined cloud migration strategy. Our goal is to maximize your AWS potential without weighing you down with unnecessary restrictive measures. We provide a range of risk controls, supporting industries and governments in deploying hybrid and multi-cloud strategies, including data segregation, infrastructure, applications, security and operations.

In addition, [managed security services](#) from Eviden ensure that your workloads and services running on AWS are securely configured and set up, and we continuously

monitor for threats to maintain the highest levels of security. We leverage an extensive and robust set of tools from AWS and our own proven best practices to provide you with the peace of mind and security your business deserves. Our expertise as a recognized AWS Well-Architected Partner ensures that your business operates with good security habits and is able to respond quickly to any potential threats.



An experienced security partner for your AWS environment

This offering is a result of our long-standing partnership with AWS, and Eviden was recently chosen to become a **launch partner** for Amazon's new purpose-built, customer-owned data lake service, the [Amazon Security Lake](#), and for the [AWS Key Management Service External Key Store \(XKS\)](#). These cutting-edge offerings enable us to further enhance our clients' security and data management capabilities in the AWS cloud.

This commitment to high-level security has earned Eviden recognition from Amazon Web Services (AWS)

with the **Level 1 Managed Security Service Provider (MSSP) Competency**. The Level 1 MSSP standard encompasses six key security domains: vulnerability management, cloud security best practices and compliance, threat detection and response, network security, host and endpoint security, and application security.

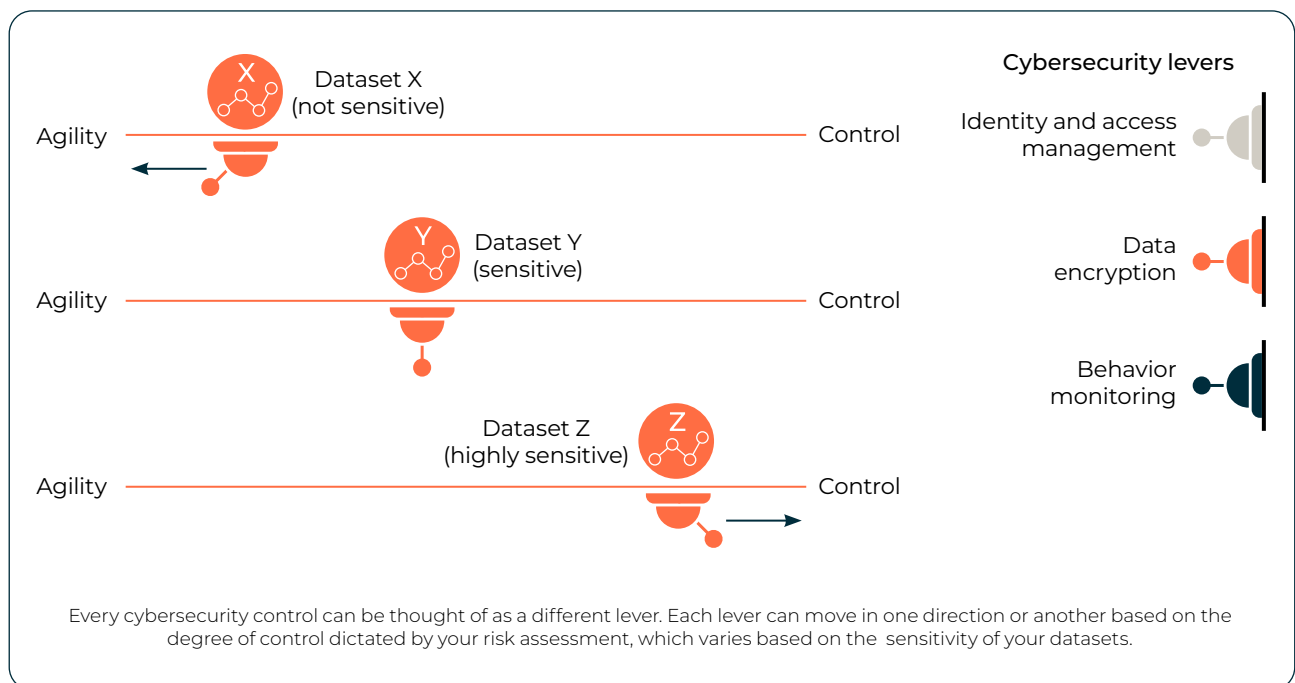
With Eviden, you can be confident that your sensitive data is protected and in compliance with regulations — while taking maximum advantage of the scalability and flexibility offered by AWS cloud.

Data sovereignty on AWS cloud: Create business advantage with trusted external controls

The vast majority of your business processes and applications can benefit from the flexibility, scalability and rapid innovation of AWS cloud. However, not all data requires the same level of control depending on their sensitivity. Additional regulatory or corporate constraints require you to implement data sovereignty controls that may bring limitation to your cloud environment.

Data sovereignty on AWS from Eviden enables you to find the perfect balance between agility and control — maximizing the benefits of AWS cloud while meeting the data sovereignty requirements for Europe or any other location worldwide.

Because you wouldn't apply the same level of control to mitigate an espionage risk as you would a cyberthreat, we offer a risk-based approach for each individual use case. We help assess the specific sovereignty risks facing your workloads, then leverage the correct controls to mitigate them. The main security controls we employ are **identity and access management**, **data encryption** and **behavior monitoring**. They are designed to be flexible and adapt to your desired sovereignty posture while providing the right mix of agility and control.



Strategic advisor

Our cybersecurity consultants support you in every stage of your data sovereignty project.

- **Initial assessment** to define the trend and trajectory of data protection that will be used to build a technical sovereignty roadmap.
- **Governance, risk and compliance** services aimed at defining a C-level strategic security path by targeting identified risks while complying with relevant standards.
- **Technical roadmap** guidance established across people, control processes and technology.

Risk-based approach

Benefit from the extensive knowledge of 6500+ highly experienced and certified security professionals from the [number 1](#) worldwide managed security services provider according to Gartner.

Maximize the power of your AWS cloud with a tailored, risk-based approach.

Minimize your in-house costs and time to implement through powerful managed security services.

Capitalize on the experience of an organization deeply involved in leading European digital sovereignty projects and a founding member of Gaia-X.



Eviden intellectual property and sovereign operations

In-house software developed by Eviden European R&D teams, plus EU-manufactured and operated hardware certified at the highest levels (ANSSI, NATO, EU restricted, EAL4+ CC)

Evidian

Identity and access management (IAM) offering

Trustway

Only hardware security module (HSM) solution was granted Reinforced Qualification by the National Cybersecurity Agency of France (ANSSI), certified under the Common Criteria EAL4+ standard, NATO SECRET clearance, and approved for use in EU restricted agreements

Alsaac

Patented AI platform that powers our 16 security operations centers (SOCs) worldwide

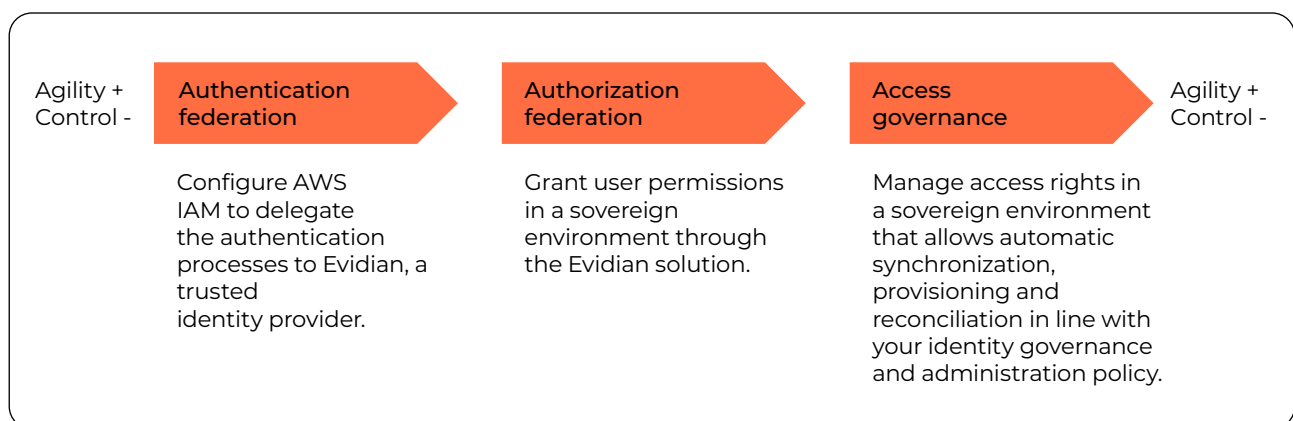
Find the right balance of security controls



Identity and access management

If you want to keep control of your data, you must control the identities and their access to this data. That's why IAM is a key control for data sovereignty. You need to be able to trust the mechanism defining and authorizing identities.

To raise your level of control over identity and access management (IAM), we leverage AWS IAM and configure it to delegate as much of its IAM capabilities as needed and possible to Evidian, a trusted, European Union external solution. Whether you prefer to manage your IAM within the EU, on your premises, or on our Evidian premises, we have you covered.



How we support you

Evidian is an identity and access management solution, 100% designed and developed in the European Union, that allows businesses to adopt an identity-driven security approach while benefiting from a scalable service and flexible pricing in its SaaS version. It includes single sign-on, federation, governance of access and identity lifecycle management.

Evidian



Evidian Enterprise SSO, First Level Security Certification (CSPN) certified (ANSSI)



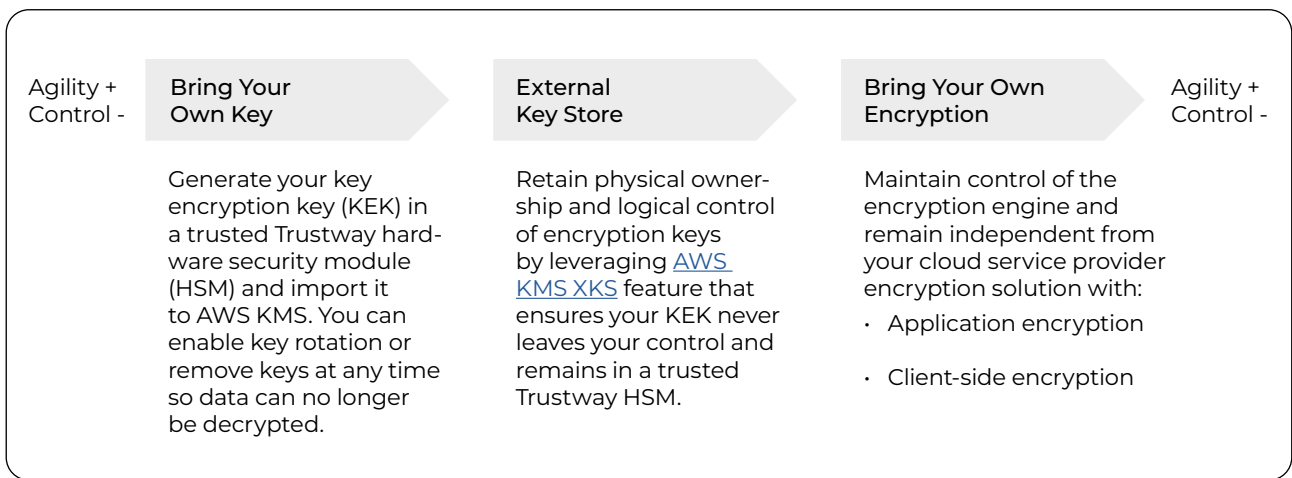
France cybersecurity label (Evidian Identity Governance and Administration (IGA), Evidian Access Management Suite, Evidian IDaaS Access & Governance)



Data encryption

What happens if your data gets leaked? By encrypting your data and ensuring your encryption keys remain safe and under your control, only users you authorize can decrypt them.

Data in AWS is encrypted in transit at several layers. AWS customers also retain ownership and decision-making over encryption on data at rest. Although data in AWS is encrypted with state-of-the-art algorithms, all keys are managed by AWS Key Management Service by default. We provide more control over key management with a trusted, external EU-made hardware security module.



How we support you

We leverage our Trustway HSM and KMS to deliver a higher level of control over the encryption keys used in AWS environments. Our Trustway Proteccio® hardware security module (HSM) is 100% designed, developed and manufactured in European Union. It is certified under the Common Criteria EAL4+ and is the only ANSSI qualified HSM on the market. Trustway DataProtect KMS is a centralized administrative platform for key management, based on Trustway Proteccio®.

Trustway



Reinforced
Qualification
(ANSSI QR)



Common Criteria
EAL4+



NATO SECRET



EU RESTRICTED



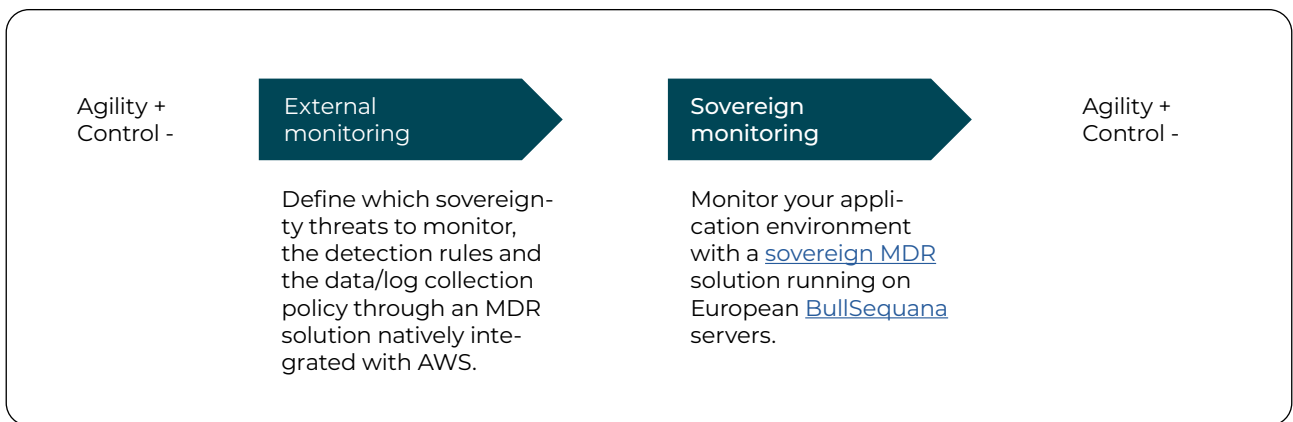
PCI-DSS



Behavior monitoring

Monitoring your feared threats is a security best practice that also holds true for sovereignty risks.

We alert you 24/7 if the feared sovereignty threat scenarios occur, allowing you to respond quickly. For example, we can monitor all accesses to an application's storage (e.g. an S3 bucket) and alert you if access is made from outside the application.



How we support you

Eviden MDR service is available with a “sovereign data” version that provides advanced security analytics capabilities and exceptional computing power. It combines MDR service with BullSequana S servers for AI-enabled business practices. Eviden can set up a cloud in multiple countries to accommodate regulations and keep data within your organization's home jurisdiction.

Alsaac

Benefit from the Eviden and AWS alliance

Partners since 2013, Eviden and AWS have worked closely to develop unique solutions designed to protect and monitor essential AWS resources in hybrid and multi-cloud environments. Eviden was named [Global Systems Integrator \(GSI\) Partner of the Year – EMEA](#) in 2022 by AWS. This award recognizes Eviden's key role helping customers drive innovation and build solutions on AWS.

Eviden is recognized as an AWS Well-Architected Partner and has invested for many years in achieving [AWS competencies such as AWS level 1](#)

[Managed Security Service Provider](#) Competency Status and others.

Eviden is a launch partner for the Amazon Security Lake, a new purpose-built, customer-owned data lake service from AWS. Our Alsaac MDR platform supports OCSF formatted VPC logs from Amazon Security Lake and applies them to built-in AI models to detect threats.

Eviden is also a launch partner for the AWS KMS External Key Store (XKS) that enables clients to maintain control over their AWS encryption keys on our Trustway hardware

security module with the highest levels of certification, hosted in their preferred location.

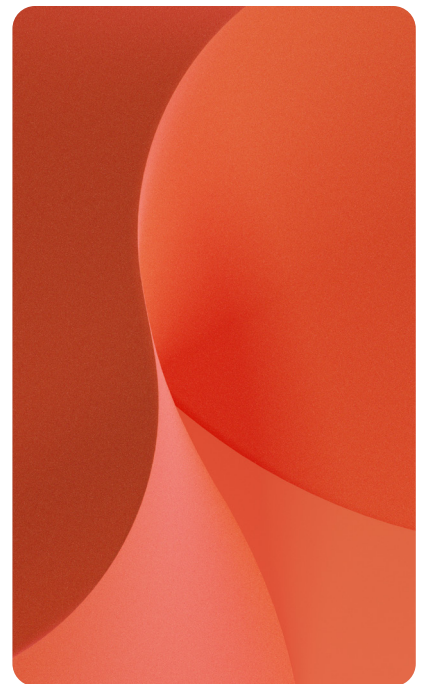
With the combined strength of AWS and Eviden, you can access a global community of highly trained security experts and securely pursue your digital sovereignty transformation journey using AWS.

Prepare for a trusted and sovereign digital future

Our offering is intended to meet the sovereignty requirements of a cloud environment that is already secure. All these sovereignty solutions must complement the basic security measures protecting your information assets.

That's where Eviden is here to help. As a world-leading managed security services leader, we combine extensive digital transformation expertise, rich industry experience and robust technological capabilities in cloud and digital security. We work collaboratively to guide, support and accelerate your digital journey to unlock the value of digital sovereignty for your business, your customers and your stakeholders.

Contact us to [schedule a meeting](#) with our experts



About AWS

Since 2006, Amazon Web Services has been the world's most comprehensive and broadly adopted cloud. AWS has been continually expanding its services to support virtually any workload, and it now has more than 200 fully featured services for compute, storage, databases, networking, analytics, machine learning and artificial intelligence (AI), Internet of Things (IoT), mobile, security, hybrid, virtual and augmented reality (VR and AR), media, and application development, deployment, and management from 99 Availability Zones within 31 geographic regions, with announced plans for 15 more Availability Zones and five more AWS Regions in Canada, Israel, Malaysia, New Zealand, and Thailand. Millions of customers—including the fastest-growing startups, largest enterprises, and leading government agencies—trust AWS to power their infrastructure, become more agile, and lower costs. To learn more about AWS, visit [aws.amazon.com](#).



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