

kyndryl

Kyndryl Services for AWS EU Sovereign Cloud



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- 03 AWS EU Sovereign Cloud & Kyndryl services
- 04 Industry use cases
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Factors driving the need for sovereign cloud



Data security and privacy



Geopolitical changes



Operational sovereignty



Jurisdictional controls

75%

of business leaders reported feeling concerned about the geopolitical risks associated with storing and managing data in global cloud environments.*

65%

reported they've made changes to their cloud strategies due to new geopolitical pressures, including data sovereignty regulations.*

41%

reported they are repatriating at least some of their data from the cloud to on-premises servers due to sovereignty concerns, among others.*

Sovereign cloud utilization continues to rise with market need

- Sovereignty continues to rise as a top priority for organizations as they look to adapt to new geopolitical dynamics and continually improve customer trust.
- According to IDC, 84 percent of organizations will have implemented a sovereign cloud solution by the end of 2025



How a transformation partner can help

Critical Role

Partners help customers innovate in the cloud while meeting their sovereignty goals.

Trusted Expertise

Provide local knowledge, regulatory insight, and industry-specific skills.

Operational Support

Deliver managed sovereign cloud services tailored to customer needs.

Customer Outcomes

Empower trust, control, and choice for digitally sovereign solutions.

Introduction to the AWS European Sovereign Cloud

€7.8B

Investment planned by AWS into the AWS European Sovereign Cloud by 2040

A new, independent sovereign cloud for Europe with infrastructure located and operated within the European Union (EU)

The AWS European Sovereign Cloud will be...



launched in the State of Brandenburg, Germany, designed for use across the EU, by January 2026



designed to help public sector organisations and customers in highly regulated industries leverage the innovation and flexibility of AWS



separate and independent of the existing AWS regions and will have distinct controls driven by EU regulations



provide enhanced security, availability and performance as compared to the existing regions today.

AWS European Sovereign Cloud differentiators

Data & metadata residency

- Sovereign dedicated regions
- Customer generated metadata stays in EU
- Expansion to the data residency controls for identity and billing information

Partner ecosystem

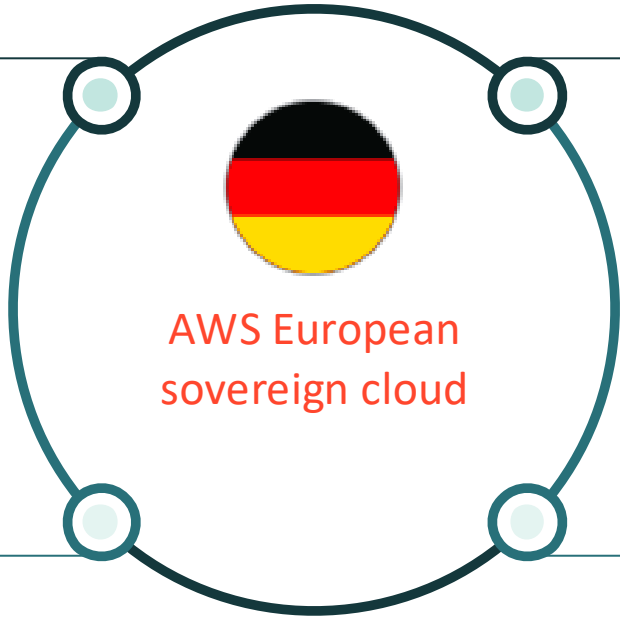
- AWS partners for
- Facilities (E.g.: T-systems)
 - external key management systems (E.g.: Entrust)
 - security platforms (E.g.: Wiz)

Services to enhance sovereignty

- Landing Zone Accelerators – for sovereign controls
- Control Tower – New guardrails to enable data residency controls
- AWS Nitro – additional access restrictions that limit all access to customer data

Operational autonomy

- EU residents located in the EU will provide:
- customer service
 - day-to-day operations
 - technical support
 - data center operations



Sovereignty empowered by Kyndryl x AWS

Assessing and Designing Sovereignty for critical IT Infrastructure and Services

Kyndryl Sovereignty Approach



Sovereign Compass

- Kyndryl Sovereign Transformation Consulting
- Kyndryl Sovereign Security & Resillience Consulting
- Kyndryl Sovereignty Workload & Infrastrucutre Readiness
- Kyndryl Sovereignty Migration Readiness



Sovereign Suite

- Kyndryl Sovereign Architected Design
- Kyndryl Sovereign Platform Engineering
- Kyndryl Sovereign Mainframe Transformation with AWS ESC
- Kyndryl Migration execution from anywhere to Kyndryl Sovereign zCloud or AWS European Sovereign Cloud



Sovereign Managed

- Kyndryl Sovereign Cloud Services incl. SOC / SIEM
- Kyndryl Sovereign Mainframe Services
- Kyndryl Sovereign Application Management Services
- Kyndryl Sovereign AI OPS with Bridge

EU Cloud Sovereignty Framework

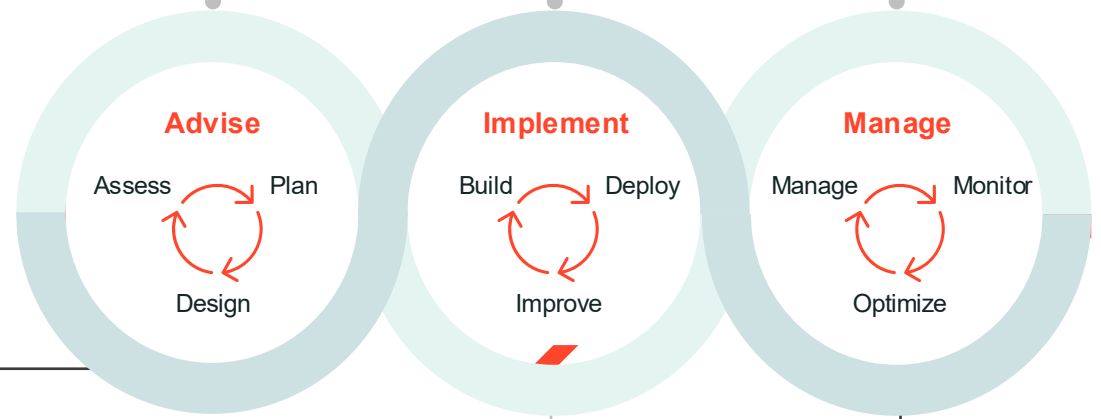
EU Data Privacy Framework

AWS Sovereignty Framework

Industry Specific Regulation

Kyndryl Sovereignty approach:

How Kyndryl engages with customers to design, implement and manage Sovereign workloads



- Advise**
1. Rapid assessment
 2. QuickStart optimization
 3. Diagnostic assessment

- Implement**
1. Standard
 2. Co-create
 3. Custom

- Managed Service**
1. Fully-managed
 2. Co-managed
 3. Self-managed

- Cloud maturity assessment
 - Assessing sovereignty requirements for targeted workloads – right workload, right location
 - Understanding of current and desired state
 - Business Case for change
 - Future-state model and roadmap
- Landing zone architecture design
 - Landing zone implementation
 - Security policy controls - organization and governance (define and configure KPIs, policies)
 - Hybrid cloud integration
- Managed service for services and platform
 - Continuous attribution, optimization, cost avoidance, automation and governance
 - Show back/chargeback
 - Business-unit economics
 - Daily/weekly/monthly recommendation

Engagement model

Project deliverables



Multi-discipline squads, OCM supported integration



Kyndryl AWS Sovereign cloud rapid assessment activities and timelines

Kick-off and understanding

Build understanding of customer requirements and expectations

1

Kick-off and Understanding

1. Identify key points of contact and availability to support objectives.
2. Collect customer functional and non-functional requirements
3. Get access to customer documentation and environment

Day 1 (4-6 hours of client contribution)
Mobilize

Workshop and analysis

Begin discovery and workshops and start analysis of key information to understand current state

2

3

Perform workshops/ observations

1. Gather data
2. Review current applications and infrastructure logical architectures
3. Review specific security compliance requirements

Information analysis and preliminary findings

1. Analyze customer requirements and assess them against the 22 services/aspects
2. Produce preliminary findings and recommendations summary

Day 2-6 (8-12 hours of client contribution)
What?

Findings, recommendations, adoption strategy, ROI, and next-steps roadmap

Gather findings and recommendations documentation and build a next-step roadmap

4

Final deliverables

1. Produce executive summary
2. Produce 22-aspects recommendations report
3. Understand TCO and ROI
4. Formulate adoption strategy
5. Create next-steps roadmap

Day 7-10 (4-6 hours of client contribution)
Why and how?

AWS Sovereign Cloud industry use cases



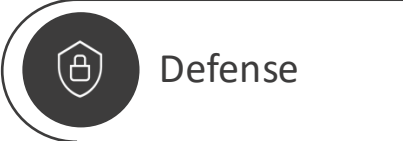
Healthcare

Sovereign cloud can be utilized to store and manage sensitive healthcare data, such as electronic health records, medical imaging, and patient information. It enables healthcare providers to maintain data privacy, comply with data protection regulations, and facilitate secure collaboration for medical research and innovation.



Banking

Sovereign cloud can be utilized for secure data storage, transaction processing, and regulatory compliance. It enables banks and financial institutions to meet stringent data protection standards, host critical financial systems, and facilitate secure online banking services.



Defense

Sovereign cloud provides secure and reliable infrastructure for storing and processing classified information, facilitating secure communication networks, and supporting defense-related applications and operations. It ensures greater control and resilience, reducing the risk of foreign interference or cyberattacks.



Government

Sovereign cloud can be used to host critical infrastructure, databases, and citizen services. It enables governments to ensure data sovereignty, privacy, and security while delivering efficient and reliable public services. Examples include hosting national identity databases, tax systems, healthcare records, and e-government portals.



R&D

Sovereign cloud provides a secure and reliable platform for hosting research data and collaboration among academic institutions, scientists, and researchers. It enables data sharing, computational analysis, and simulation for scientific research, fostering innovation and advancing knowledge in various disciplines.

Why work with Kyndryl?

30+ Years of designing, Building and managing mission-critical IT environments for our customers, with deep expertise in AWS



Our Customers

We work in partnership with thousands of customers including most of the **Fortune 100**, dedicated to ensuring that each achieves its peak digital performance

Proven mission-critical IT leadership



50%+ of world's managed mainframes



77k+ technology certifications



675K+ VMware VMs managed



73K+ WAN devices managed



576+ exabytes of customer data backed up annually



15K+ SAP & Oracle instances managed



Kyndryl Services



Cloud

Delivering seamless advisory, migration, modernization, and management services integrated with AWS



Core Enterprise & zCloud

Manage mission-critical workloads seamlessly by modernizing mainframes to handle high-volume, always-on computing with AWS



Digital Workplace

Accelerate hybrid work capabilities and enable collaboration from anywhere with strategy, design, architecture and implementation of AWS



Application, Data & AI

Providing full application platform hosting and expert assistance for application modernization to AWS



Network & Edge

Provides unified Network Services for AWS and data center connectivity



Security & Resiliency

Providing full application platform hosting and expert assistance for application modernization

Our AWS Competencies and Agreements



Kyndryl advances the vital systems that power progress

Next Steps

About to embark on your AWS cloud journey – including the new **AWS EU Sovereign Cloud**?

European Sovereign Cloud (ESC)

Reach out to us for a **sovereign-cloud-aware workshop** to identify the right **AWS use cases** for your organization – from onboarding regulated workloads on ESC in Brandenburg to designing secure landing zones, DR, and modernization patterns aligned to **EU data residency and sovereignty** requirements.

Already on AWS cloud?

Connect with us for **solutions** – specifically tailored for the **AWS European Sovereign Cloud (ESC)** – to pinpoint **cost savings**, optimize your **licensing posture**, and improve **resource utilization**, while staying fully aligned with **EU data residency, sovereignty, and compliance requirements**.

Reach us at:

sales@kyndryl.com or
inquiry@kyndryl.com



Thank You

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