

IBM Sovereign Core overview

IBM® Sovereign Core is a multicloud Software as a Service (SaaS) deployment stack that is designed and built for sovereignty and compliance. It provides a platform that enables a sovereign framework so that data, operational, and technology sovereignty can be applied and managed independently. It enables data centre owners and system owners to operate independently, delivering AI services within a sovereign region.

Key features

IBM Sovereign Core enables system owners and operators of large enterprises to set up, operate, and maintain sovereign environments that are AI-ready. Purposefully designed, the deployment stack is based on IBM MultiCloud SaaS platform and Red Hat OpenShift®.

Sovereignty and compliance management

IBM Sovereign Core enables you to operate any environment with continuous compliance to sovereign policies and regulations in your region. This capability allows you to maintain ongoing data privacy and sovereign compliance without vendor lock-in. You define and control the policies and sovereign regulations governing your data, operations, and technology.

AI-ready, utility, and sovereignty

With increased AI computing activity and organizational focus on data protection and data compliance, IBM Sovereign Core provides a means to build a resilient, sovereign compliant, and AI-ready deployable hybrid cloud infrastructure. AI systems rely on sensitive data and models, requiring regulatory obligations for accountability, traceability, and governance. IBM Sovereign Core offers AI architecture so that you can deploy CPU and GPU-based clusters that are built with regulations and proprietary models that you control. Additionally, AI inference and agent-based applications can run locally without external provider access, helping enterprises to help ensure traceability and security.

Account owners can set up this solution to independently provision, configure, and manage clusters in sovereign regions with data compliance and security as defined by their system owners for in-region operational sovereignty. For AI-readiness, account owners provision specific AI resources with the safeguard that all generated data, processing, and workflows remain within the sovereign region and compliance zone as defined by their organization.

Efficiency and speed to deploy

IBM Sovereign Core is based around a model of ownership. It offers a customer-operated control plane that can be deployed rapidly and operated consistently at scale. Local teams can then operate large-scale operations including thousands of cores, hundreds of nodes with differentiated sovereign policies and regulations built from a single and unique control plane.

IBM Sovereign Core includes automated configuration profiles for identity, security, and compliance. Self-service provisioning for CPU, GPU, VM, and AI inference environments enables repeatable deployment across enterprise-run and partner-operated multi-tenant models.

IBM Sovereign Core platform provides system owners and cloud account administrators with a sovereign cloud solution. IBM Sovereign Core is a proactive risk and security management product that delivers sovereignty capabilities with automated patterns and templates. Setup is straightforward and quick to achieve, with deployment options for built-in self-service templates or customized configurations.

Virtualization & self-service extensibility

The platform enables efficient provisioning of preconfigured or custom self-service clusters, existing VMs, and AI inference servers within secure accounts that can be deployed and maintained as compliant and sovereign. The templates and architected deployments significantly reduce the time required for setup, deployment, and management of sovereign environments.

Note: Hardware prerequisites and requirements are critical for the product to work with your virtualization layer and cloud infrastructure.

Digital transformation

The sovereign cloud platform in IBM Sovereign Core enables enterprises to build customer trust and resilience while transforming and scaling their businesses with a solid platform they define independently to align with regionally specific laws and regulations. IBM Sovereign Core enables users to define compliance requirements so they can operate compliantly for data integrity and sovereignty. Seamless deployment and management of the sovereign cloud validates data integrity regardless of where business is conducted. For more information about Digital Sovereignty.

Who is IBM Sovereign Core for?

System owners including data centre operators, use IBM Sovereign Core to set up accounts for account owners. They then deploy and manage the sovereign and compliant cloud environments and monitor usage.

System owners are enabled with a deployable cloud service infrastructure that is sovereign and compliant, and usable for ease of maintenance and scalability.

IBM Sovereign Core provides

- Compliance and data sovereignty with built-in resiliency and privacy
- Automated deployments through an intuitive interface .
- Support for regulated industries including finance, government, and healthcare.
- Integrated observability and troubleshooting for simplified maintenance.
- Independence from hyperscaler dependencies.
- Local compliance and operational control with sovereign boundaries.
- Fast provisioning with integrated services and reduced complexity.
- Datacenter operation independent of IBM.

Account and tenant owners

Account and tenant owners receive compliant, sovereign, and AI-ready accounts to serve customers in their managed sovereign regions. Self-service access to clusters and services enables efficient deployment and maintenance of tenants and workspaces within a hybrid cloud infrastructure, providing data, operational, and technology sovereignty with secure access and lifecycle management control.

Account owners have access to these key workflow capabilities:

- Operate in automated, sovereign-compliant regions
- Audit compliance with integrated security (RBAC, encryption, access control)
- Provision resources in hours instead of weeks
- Deploy independently without IT team dependencies
- Ensure AI data compliance and protection within sovereign regions
- Control provisioned resources
- Manage access and permissions
- Access a comprehensive service catalog

Benefits of IBM Sovereign Core

IBM Sovereign Core seamless installation and deployment model provides a ready-to-use sovereign solution for System owners and enterprises. The product protects AI data and ensures governance compliance within the region where data is generated.

- Independently built and defined sovereign compliance for data, operations, and technology.
- Continuous compliance monitoring against applicable frameworks and regulations.
- Security Posture Assessment to detect vulnerabilities, configuration violations, and flag expiring certificates.
- Sovereign AI-readiness with AI administration and operations retained under local control.
- Resilient with open source foundations for sovereignty as defined by policies managed by you.
- Portability, and extensibility to any data centre that meets the hardware requirements.
- CPU, GPU, and AI inference cluster provisioning for AI workflows.
- In-built sovereign continuous compliance and certified catalog and tools.
- Repeatable sovereign policy with standardized golden patterns.
- Vendor and infrastructure mobility to run any workload on any infrastructure.

For current IBM Documentation for IBM Sovereign Core, see [IBM Sovereign Core](#).