

IBM Autonomous Security for Cloud (ASC)

AI-enabled, managed solution for secure and compliant cloud



Security and compliance challenges

Limited visibility into security and compliance risks can strain security teams and impact cyber resilience. If you're in a highly regulated industry, you need cloud security and compliance controls built in from pre- to post-migration, so you have confidence you can safely migrate, modernize, and operate critical workloads in the cloud and achieve your transformation objectives.

Increasing complexity	Difficult to effectively manage configuration and compliance drift
Poor visibility	Identifying real-time compliance across the digital estate is manual and inaccurate
Noncompliance	Reliance on manual effort to address misconfigurations and remediation



Solution

ASC, powered by Amazon Bedrock GenAI, protects critical workloads



Autonomous continuous security

Generative AI is used to comprehend security protocols and designs, deploying AWS security services and essential resources while ensuring alignment with customer-specific security mandates and requirements. This ensures security and compliance from the outset, minimizing the necessity for manual deployment configurations and verifications to optimize the entire deployment.



Drift monitoring

Leverages a constantly evolving AI model to ensure AWS resources stay compliant with the latest standards. This dynamic system automatically adjusts to regulatory changes, maintaining alignment with both current and future regulations. It provides peace of mind by ensuring AWS resources are compliant, helps reduce the risk of non-compliance, and enhancing operational agility.



Autonomous remediation

Generative AI speeds detection and response to security threats. The AI model is trained to detect and correlate threats across the network, providing both automatic and semi-automatic response capabilities. This approach reduces reliance on manual effort and ensures that potential threats are swiftly identified and mitigated, minimizing risk and improving the overall security framework.



ASC uses **Amazon Bedrock generative AI** to enable automation and remediation.

Solution benefits

- Shortens the security and compliance risk assessment timeline to drive easier migrations.
- Provides continuous monitoring of compliance drift and automatically remediates gaps.
- Accelerates cloud migration and modernization activities through automation.

IBM and AWS



IBM has invested heavily in architecting native security and other products to operate most efficiently on AWS. By combining IBM's expertise in cloud transformation with AWS's cloud native services and generative AI capabilities, ASC empowers clients to accelerate cloud adoption, achieve end-to-end automated compliance to ensure their cloud environments stay secure and resilient, and unlock new opportunities for business transformation and growth.

IBM Consulting cloud-certified experts can assist clients utilizing ASC with tailored assessments, continuous monitoring and optimization, managed risk-based evolution, and proactive risk and compliance management.

Achieve business outcomes



AI-enabled, secure by design



Address unique compliance and policy requirements



Autonomously deploy protective, detective, and responsive security policies



Use cases

Financial services: Robust security and compliance to protect sensitive customer data and prevent financial fraud.

Healthcare: Ensure the security and privacy of patient data, as well as comply with regulations such as HIPAA.

Insurance: Protect sensitive customer data and comply with regulations, such as GDPR and CCPA.

Telecommunications: Protect sensitive customer data and comply with regulations, such as HIPAA and GDPR.

Manufacturing: Protect sensitive intellectual property and comply with regulations, such as NIST and ITAR.

Energy and Utilities: Protect critical infrastructure and comply with regulations, such as NERC and FERC.

Transportation: Ensure the security and safety of passengers and comply with regulations, such as TSA and DOT.

Government: Comply with a variety of regulations, including FedRAMP, FISMA, and NIST.

[Get started today.](#)