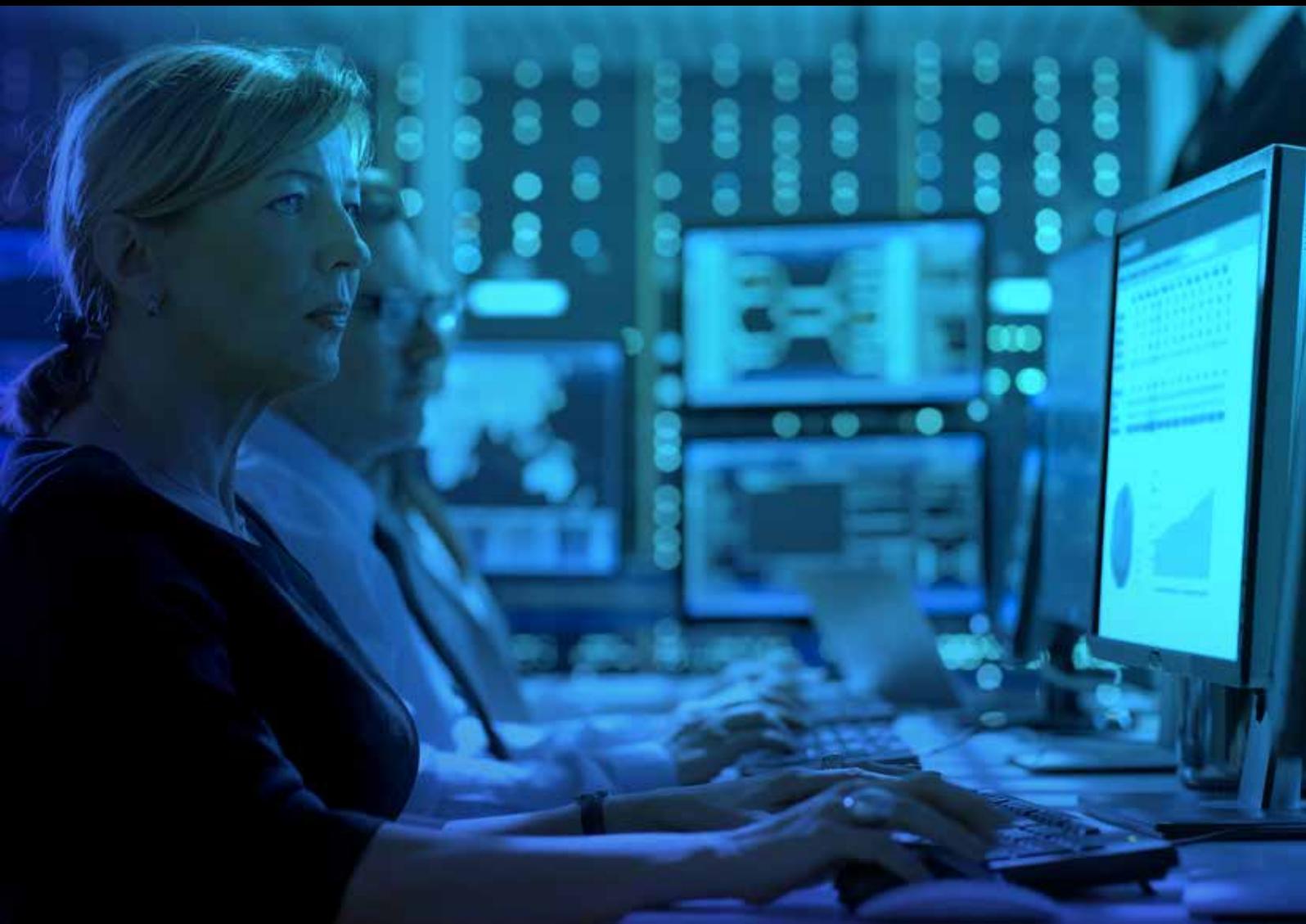


Security and Compliance Solution for AWS

AWS Business Unit



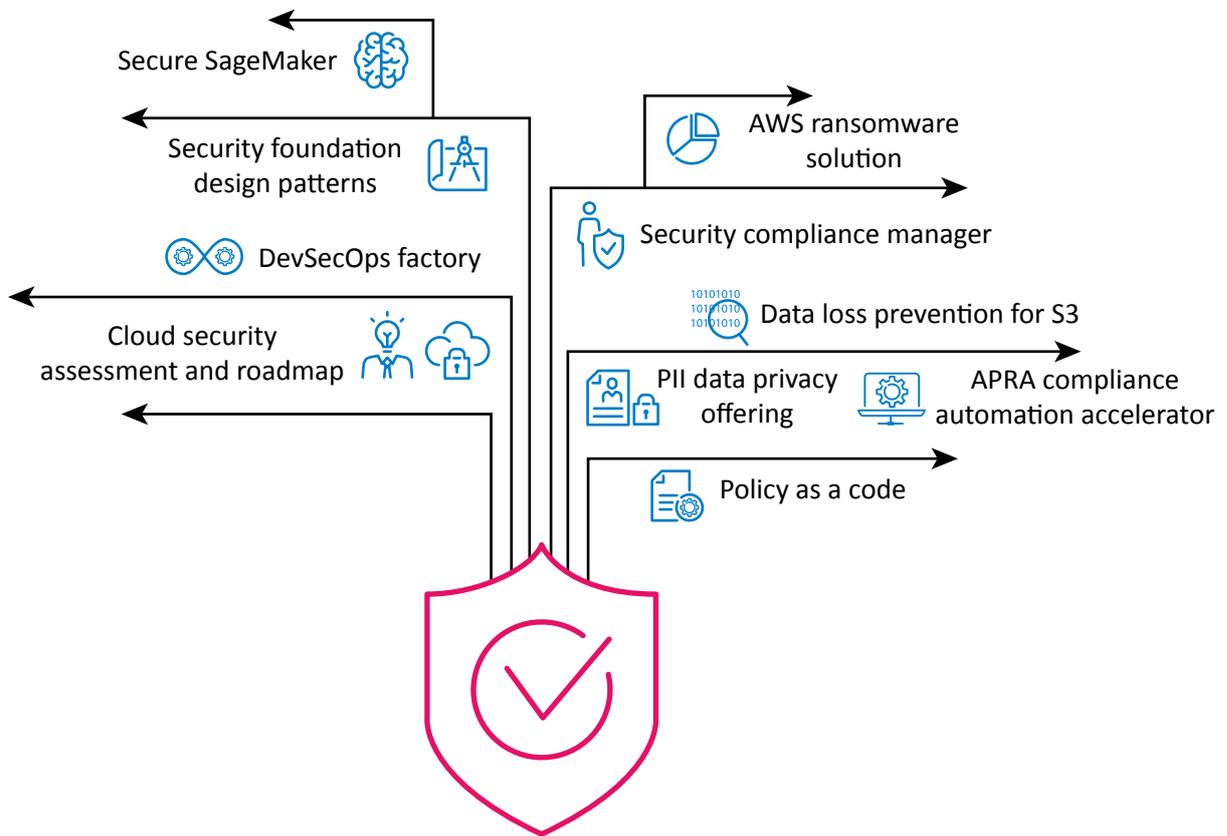
With rising cybersecurity threats, companies are looking to assess the configuration risk across multiple cloud services using a common baseline and risk monitoring dashboard to detect, prevent, identify, and respond to increasing cloud infrastructure risk. Due to a large portfolio of legacy applications, there is a need for a hybrid approach to identity access management (IAM). Delivering IAM through SaaS delivery models can help organizations assess their security setup and configuration, and identify their cloud security risk.

TCS Security and Compliance Solution for AWS provides comprehensive security for your organization's cloud-based applications and identifies security automation opportunities to overcome cyberattacks. The solution leverages a collection of ready-made Amazon Web Services (AWS) code pipelines to implement secure CI-CD pipelines, and build a security road map spanning the complete life cycle of cloud adoption services from advisory and assessment to migration, modernization, and managed services.

Overview

Enterprises looking to build and synergize their cloud strategies in line with the changing business requirements need to address challenges such as sensitive data security, regulatory compliance, elevated permissions, vulnerable settings, and misconfigurations. There is a need for a comprehensive suite of offerings that span across cloud advisory services, strategy, migration, modernization, industry solutions, security, and managed services for private and hybrid cloud environments for a secure cloud enterprise. As enterprises seek to gain the control and confidence needed to securely run their business in the cloud, they are looking to improve their core security and adherence to compliance on data locality, protection, and confidentiality on cloud.

TCS Security and Compliance Solution for AWS secures your cloud-based applications and data to help realize the cloud advantage. By building a secure global infrastructure, encrypting data, and managing its retention, the solution ensures you are vigilant about data and customer privacy.



How TCS' Security and Compliance Solution for AWS works

Our solution

TCS' Security and Compliance Solution for AWS allows your enterprise to automate manual security tasks and elevate the cloud security posture to help you gain visibility and control of the digital landscape, providing measures to address emerging cybersecurity threats.

- **Security assessment and road map:** Build a complete view of security maturity across data, application, infrastructure, network, identity and access management, incident response, and regulatory compliance.
- **Security foundation design:** Leverage reusable solution architecture patterns and deploy them rapidly into your business environment.
- **PII data privacy and security:** Perform data masking on personal identifiable information (PII) data identified in your business environment, data encryption at rest and transit, and ensure backup and data recovery strategy for data stores.
- **AWS ransomware readiness:** Assess and remediate gaps in AWS environment against the security controls needed to ensure protection and restoration in case of a ransomware attack.
- **Secure SageMaker:** Enable readily deployable infrastructure as code (IaC) templates to build security controls for your SageMaker instances and peripheral resources.

Benefits

TCS Security and Compliance Solution for AWS provides the following benefits to your enterprise:

- **Automation:** Automate manual security tasks and shift your enterprise's focus to scaling and innovative business services. Leverage DevSecOps Factory to automate CI-CD pipelines, and ensure the quality and security of the code releases.
- **Comprehensive security:** Implement sufficient guardrails to secure your business environment, and build a comprehensive security framework for your cloud-based applications and data to realize the cloud advantage.
- **Regulatory compliance:** Ensure compliance and avoid fines or penalties by leveraging TCS' rapid security assessment framework. Automate compliance checks and deviations from your solutions, and auto-remediate immediately in case of non-compliance detection.
- **Auto-remediation:** Identify pockets of security automation by accessing AWS services, and overcome threats and attacks.

Why TCS

A partnership with TCS can help you take advantage of the following key differentiators:



Valuable partnerships: With a decade-long partnership between TCS and AWS, we continuously manage your cloud security posture through automatic discovery of security improvements using tools across various stages of your release pipelines.



DevSecOps: TCS solutions leverage DevSecOps platforms that incorporate and enforce cybersecurity functions and policy from inception through operations. Our solutions enable secure and productive software development from any device and any location to ensure a secure enterprise environment.



World-class security solutions: TCS' world-class security experts monitor your AWS infrastructure continuously, and build and maintain our broad selection of innovative TCS security services. While our developers focus on continuous testing and evaluation, our security teams monitor and evaluate code to identify issues and threats before deploying the solution.



Compliance to regulatory norms: We leverage tool-driven security and compliance with rapid security assessment, foundation designer, AWS DevSecOps Factory, and compliance automation solutions to ensure your services meet the compliance requirements. Our solutions provide an end-to-end view into the laws and industry regulations and undertake a wide-ranging industry compliance execution across PCI-DSS, HIPAA/HITECH, FedRAMP, GDPR, FIPS 140-2, and NIST 800-171 standards.

Awards and accolades



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