Security, Identity, and Compliance on AWS

Secure your workloads and applications in the cloud

Data protection

Identity & access management

Network & application protection

AWS provides services that help you protect your data, accounts, and workloads from unauthorized access. AWS data protection services provide encryption and key management and threat detection that continuously monitors and protects your accounts and workloads.

AWS Identity Services enable you to securely manage identities, resources, and permissions at scale. With AWS, you have identity services for your workforce and customer-facing applications to get started quickly and manage access to your workloads and applications.

[Learn more »](https://aws.amazon.com/identity/)

Network and application protection services enable you to enforce fine-grained security policy at network control points across your organization. AWS services help you inspect and filter traffic to prevent unauthorized resource access at the host-, network-, and application-level boundaries.

[Learn more »](https://aws.amazon.com/products/security/network-application-protection/)

Threat detection & continuous monitoring

Compliance & data privacy

AWS identifies threats by continuously monitoring the network activity and account behavior within your cloud environment.

AWS gives you a comprehensive view of your compliance status and continuously monitors your environment using automated compliance checks based on the AWS best practices and industry standards your organization follows.

[[](https://pages.awscloud.com/GLOBAL-ln-GC-200-Cloud-Business-Transformation-Security-learn.html?sc_icampaign=acquire_security-best-practices&sc_ichannel=ha&sc_icontent=awssm-10968_acquire&sc_iplace=banner&trk=f505c429-426c-4816-96fa-4f2fd525768c~ha_awssm-10968_acquire)](https://pages.awscloud.com/GLOBAL-ln-GC-200-Cloud-Business-Transformation-Security-learn.html?sc_icampaign=acquire_security-best-practices&sc_ichannel=ha&sc_icontent=awssm-10968_acquire&sc_iplace=banner&trk=f505c429-426c-4816-96fa-4f2fd525768c~ha_awssm-10968_acquire" \t "_blank)

### **[Migrate to the Cloud, Securely](https://pages.awscloud.com/GLOBAL-ln-GC-200-Cloud-Business-Transformation-Security-learn.html?sc_icampaign=acquire_security-best-practices&sc_ichannel=ha&sc_icontent=awssm-10968_acquire&sc_iplace=banner&trk=f505c429-426c-4816-96fa-4f2fd525768c~ha_awssm-10968_acquire" \t "_blank)**

[Learn how the shared responsibility model helps manage risk effectively and efficiently in the cloud.](https://pages.awscloud.com/GLOBAL-ln-GC-200-Cloud-Business-Transformation-Security-learn.html?sc_icampaign=acquire_security-best-practices&sc_ichannel=ha&sc_icontent=awssm-10968_acquire&sc_iplace=banner&trk=f505c429-426c-4816-96fa-4f2fd525768c~ha_awssm-10968_acquire" \t "_blank)

[Read more](https://pages.awscloud.com/GLOBAL-ln-GC-200-Cloud-Business-Transformation-Security-learn.html?sc_icampaign=acquire_security-best-practices&sc_ichannel=ha&sc_icontent=awssm-10968_acquire&sc_iplace=banner&trk=f505c429-426c-4816-96fa-4f2fd525768c~ha_awssm-10968_acquire" \t "_blank)

## **AWS Security, Identity, & Compliance services**

Category

Use cases

AWS service

[Identity & access management](https://aws.amazon.com/products/security/)

Securely manage access to services and resources

[AWS Identity & Access Management (IAM)](https://aws.amazon.com/iam/?c=sc&sec=srv)

Cloud single-sign-on (SSO) service

[AWS Single Sign-On](https://aws.amazon.com/single-sign-on/?c=sc&sec=srv)

Identity management for your apps

[Amazon Cognito](https://aws.amazon.com/cognito/?c=sc&sec=srv)

Managed Microsoft Active Directory

[AWS Directory Service](https://aws.amazon.com/directoryservice/?c=sc&sec=srv)

Simple, secure service to share AWS resources

[AWS Resource Access Manager](https://aws.amazon.com/ram/?c=sc&sec=srv)

Central governance and management across AWS accounts

[AWS Organizations](https://aws.amazon.com/organizations/?c=sc&sec=srv)

Detection

Automate AWS security checks and centralize security alerts

[AWS Security Hub](https://aws.amazon.com/security-hub/?c=sc&sec=srv)

Protect AWS accounts with intelligent threat detection

[Amazon GuardDuty](https://aws.amazon.com/guardduty/?c=sc&sec=srv)

Automate vulnerability management

[Amazon Inspector](https://aws.amazon.com/inspector/?c=sc&sec=srv)

Record and evaluate configurations of your AWS resources

[AWS Config](https://aws.amazon.com/config/?c=sc&sec=srv)

Track user activity and API usage

[AWS CloudTrail](https://aws.amazon.com/cloudtrail/?c=sc&sec=srv)

Security management for IoT devices

[AWS IoT Device Defender](https://aws.amazon.com/iot-device-defender/?c=sc&sec=srv)

Network and application protection

Network security

[AWS Network Firewall](https://aws.amazon.com/network-firewall/?c=sc&sec=srv)

DDoS protection

[AWS Shield](https://aws.amazon.com/shield/?c=sc&sec=srv)

Filter and control outbound DNS traffic for your VPCs

[Amazon Route 53 Resolver DNS Firewall](https://aws.amazon.com/route53/faqs/?c=nap&sec=srv#Route_53_Resolver_DNS_Firewall)

Filter malicious web traffic

[AWS Web Application Firewall (WAF)](https://aws.amazon.com/waf/?c=sc&sec=srv)

Central management of firewall rules

[AWS Firewall Manager](https://aws.amazon.com/firewall-manager/?c=sc&sec=srv)

Data protection

Discover and protect your sensitive data at scale

[Amazon Macie](https://aws.amazon.com/macie/?c=sc&sec=srv)

Key storage and management

[AWS Key Management Service (KMS)](https://aws.amazon.com/kms/?c=sc&sec=srv)

Hardware based key storage for regulatory compliance

[AWS CloudHSM](https://aws.amazon.com/cloudhsm/?c=sc&sec=srv)

Provision, manage, and deploy public and private SSL/TLS certificates

[AWS Certificate Manager](https://aws.amazon.com/certificate-manager/?c=sc&sec=srv)

Rotate, manage, and retrieve secrets

[AWS Secrets Manager](https://aws.amazon.com/secrets-manager/?c=sc&sec=srv)

Incident response

Investigate potential security issues

[Amazon Detective](https://aws.amazon.com/detective/?c=sc&sec=srv)

Scalable, cost-effective application recovery to AWS

[AWS Elastic Disaster Recovery](https://aws.amazon.com/disaster-recovery/)

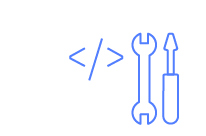
Compliance

No cost, self-service portal for on-demand access to AWS’ compliance reports

[AWS Artifact](https://aws.amazon.com/artifact/?c=sc&sec=srv)

Continuously audit your AWS usage to simplify how you assess risk and compliance

[AWS Audit Manager](https://aws.amazon.com/audit-manager/?c=sc&sec=srv)



To make it easier for you to secure your workloads on AWS, we also provide the world’s most secure cloud platform.

[Learn more »](https://aws.amazon.com/security/?c=sc&sec=mid)

## **What's new in Security, Identity, & Compliance?**

* [Amazon GuardDuty introduces new machine learning capabilities to more accurately detect potentially malicious access to data stored in S3 buckets](https://aws.amazon.com/about-aws/whats-new/2022/07/amazon-guardduty-machine-learning-detect-malicious-access-data-s3/)

07/06/2022

* [AWS Identity and Access Management introduces IAM Roles Anywhere for workloads outside of AWS](https://aws.amazon.com/about-aws/whats-new/2022/07/aws-identity-access-management-iam-roles-anywhere-workloads-outside-aws/)

07/06/2022

* [AWS Security Hub launches 36 new security best practice controls](https://aws.amazon.com/about-aws/whats-new/2022/07/aws-security-hub-adds-36-new-security-best-practice-controls/)

07/06/2022

* [Deploy scale-out SAP HANA deployments using AWS Launch Wizard and Amazon EC2 x2idn/ r6i instances](https://aws.amazon.com/about-aws/whats-new/2022/07/scale-sap-hana-deployments-aws-launch-wizard-amazon-ec2-x2idn-r6i-instances/)

07/01/2022

* [AWS Backup Audit Manager adds new control to audit recovery point objective (RPO)](https://aws.amazon.com/about-aws/whats-new/2022/06/aws-backup-audit-manager-adds-audit-recovery-point-objective-rpo/)

06/29/2022