

Improving your security with AWS

Top areas of focus for your security team



Accurate account information

AWS Management Console

We use the contact information you provide in your AWS account profile, found in the AWS web console, when we need to reach you about a security concern.

Learn more



Make sure all email addresses go to aliases that are not dependent on a single person. Your security contact email address should deliver to multiple people or a 24/7 security team who have been trained on how to respond. Watch for security notifications from Amazon emails such as abuse@amazon.com.





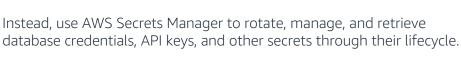
Use multi-factor authentication (MFA) Always set up MFA on your root user and AWS Identity

and Access Management (IAM) users to provide an extra layer of protection from inappropriate access. If you use AWS Single Sign-On to control access to

AWS or federate your corporate identity store, you can enforce MFA there. <u>Learn more</u>

No hard-coding secrets Use IAM roles to deliver temporary credentials for using AWS services.

in the application or store them in source code.



When you need longer-lived credentials, don't hard code these secr

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What

groups to limit communications

be achieved by only allowing the minimally required ports, and with sources and destinations that you trust.

Firewall Manager and AWS Config to

How

group configurations. You can also use AWS Firewall Manager to protect the Internet

You can use services such as AWS

applying **AWS WAF** rules, and





over-classification with additional costs, grouping of sensitive data that have the same technical requirements, and user

Developing Data Policies

accessibility when designing your data classification strategy to meet a broad range of requirements. **Implementing Data Policies**

Not all data are created equal, so classifying data properly is

crucial to its security. Consider factors such as



followed, enforced, or monitored for compliance. You can use AWS IAM policies, service control policies, and Amazon

Config to implement organizational data policies.

Centralize AWS CloudTrail logs Logging and monitoring are important parts of a robust security plan.

We recommend that you write logs to an Amazon Simple Storage Service (Amazon S3) bucket in an AWS account designated for logging. The permissions on the bucket should prevent deletion of the logs, and these

on your security posture relies on having access to data.

logs should be encrypted at rest.

Being able to investigate unexpected changes in your environment or iterate

Validate

IAM roles

Over time, you may discover

longer needed, or that their permissions have expanded beyond what is needed.

Learn more

Learn more

governance, risk, and compliance policies. **AWS Config**

AWS IAM Access Analyzer

Review access to your internal AWS

will give you the visibility needed to

resources and determine where you have

Regularly reviewing roles and permissions

Continuously monitor, identify, and remove unused IAM users, roles, and groups. Take action

AWS Security Hub, Amazon GuardDuty, Amazon Macie, Amazon Inspector, and AWS IAM Access Analyzer provide you with actionable findings in your AWS accounts. Take action on these findings based on your incident response policy. And to better mitigate scope and impact of an event, you can automate responses to more quickly contain suspicious activity and notify



on findings

humans for awareness.

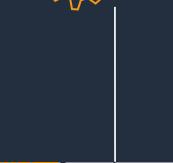
Learn more



Raising the security culture of your organization can pay big dividends. Everyone in your organization should feel comfortable seeking help from the security team, as

security is everyone's job. Whether you use DevOps or another development methodology, make sure that security requirements,

every phase of your organization's development lifecycle. **Learn more**



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Security Best Practices standard.

AWS Well Architected Framework

AWS Training and Certification

Learn more

on cloud security.







long-lived access keys.

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Be involved in dev cycle

such as patch automation capabilities, are embedded in

