



Propelling the Digital Transformation

Enhance Your Cloud Operations

With

Monitoring and Logging on AWS



Swipe →



AWS CloudWatch

- **Monitoring Metrics:** Use CloudWatch to collect and track metrics from your AWS resources and applications. Create dashboards to visualize performance data and set up alarms to respond to critical issues.
- **Logs Management:** Centralize your logs with CloudWatch Logs. Use log groups and filters to organize and search your logs, making it easier to troubleshoot and analyze application behavior.



Amazon GuardDuty

- **Threat Detection:** Enable GuardDuty to continuously monitor your AWS accounts and workloads for malicious activity. It uses machine learning and threat intelligence to detect and alert on potential threats.



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AWS CloudTrail

- **Track API Activity:** Enable CloudTrail to log all API calls made within your AWS account. This provides an audit trail of user and service actions, helping you detect unauthorized activity and meet compliance requirements.
- **Insights:** Utilize CloudTrail Insights to automatically detect unusual operational activity in your account. This helps you identify and respond to potential security threats.



AWS Lambda for Custom Monitoring

- **Custom Metrics and Alerts:** Leverage AWS Lambda to create custom monitoring solutions tailored to your specific needs. Publish custom metrics to CloudWatch and set up alarms for proactive alerting.

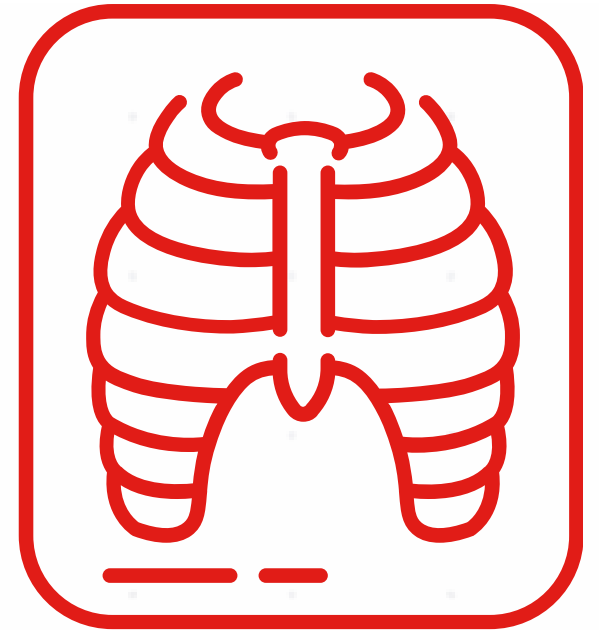


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AWS X-Ray

- **Distributed Tracing:** Use X-Ray to analyze and debug your distributed applications. Gain insights into application performance by tracing requests as they travel through your application components.
- **Service Map:** Visualize the interactions between your application components with the X-Ray service map. This helps you identify performance bottlenecks and optimize your architecture.



AWS Trusted Advisor

- **Best Practices Checks:** Regularly review Trusted Advisor recommendations to ensure your AWS environment follows best practices. It provides guidance on cost optimization, security, fault tolerance, and performance improvements.

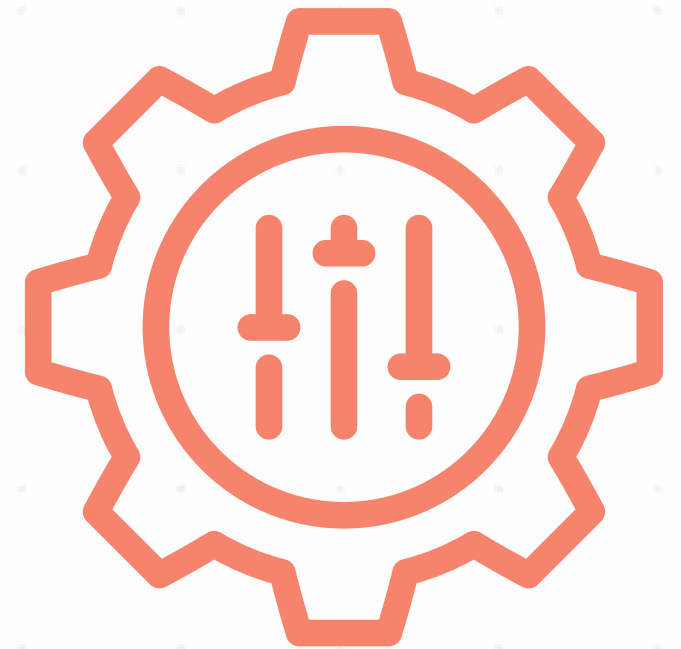


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AWS Config

- **Configuration Management:** Use AWS Config to track and manage your AWS resource configurations. It provides a detailed inventory of your resources and their configurations, enabling you to assess compliance and security.
- **Rules and Remediation:** Implement AWS Config rules to automatically evaluate the compliance of your resources. Use automated remediation actions to correct non-compliant configurations.



Amazon Elasticsearch Service (Amazon ES)

- **Log Analytics:** Use Amazon ES to analyze log data in real-time. Combine it with Kibana for powerful visualization and search capabilities, enabling you to gain deeper insights into your logs.



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Automated Incident Response

- **AWS Systems Manager:** Use Systems Manager Automation to create and run automated workflows for incident response. This helps you quickly address and resolve operational issues.



Continuous Improvement

- **Review and Optimize:** Regularly review your monitoring and logging setup. Use insights from your data to optimize your infrastructure, improve performance, and enhance security.

