

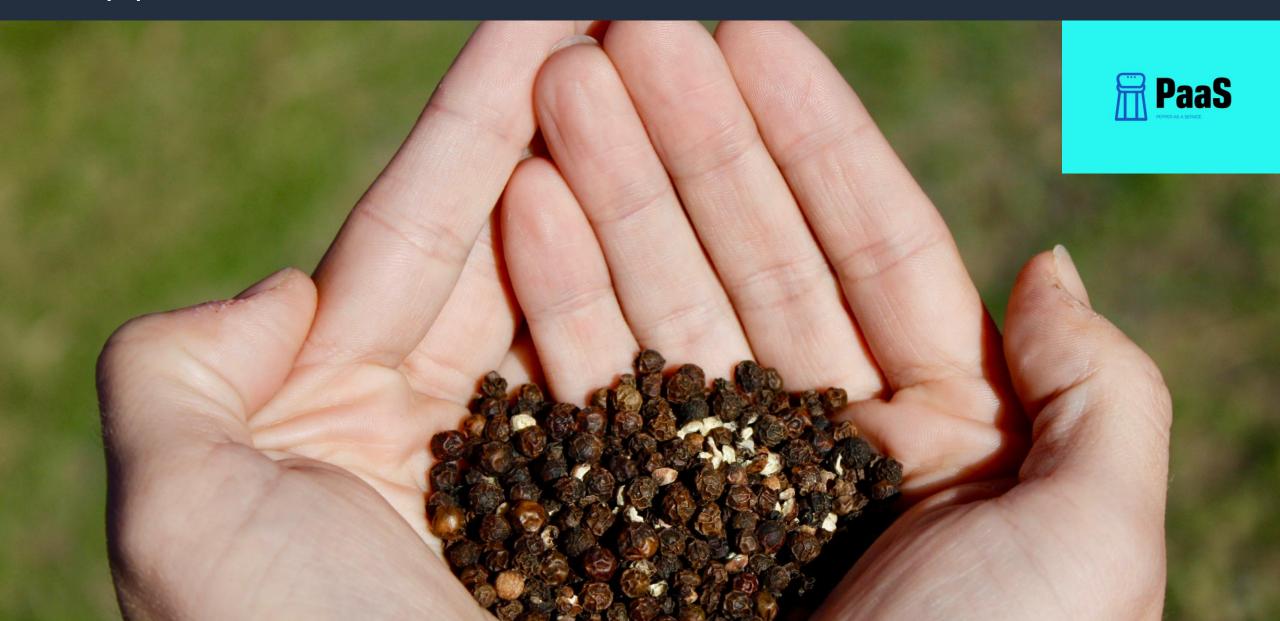
AWS Builders Online Series

Move Fast & Be Secure on AWS Cloud

Shane Baldacchino Solutions Architect | AWS TechChat Podcast Host AWS



Pepper as a Service (the other PaaS)



Why we will be successful



Outsourced dev



Lean start up



Low costs

Think about security







For our providers



For us

Security culture



Security is everyone's job



Secure = Complete

Security considerations





Secure environment



Separation of duties



Monitoring

Secure environment



Enable MFA





Federate Identity

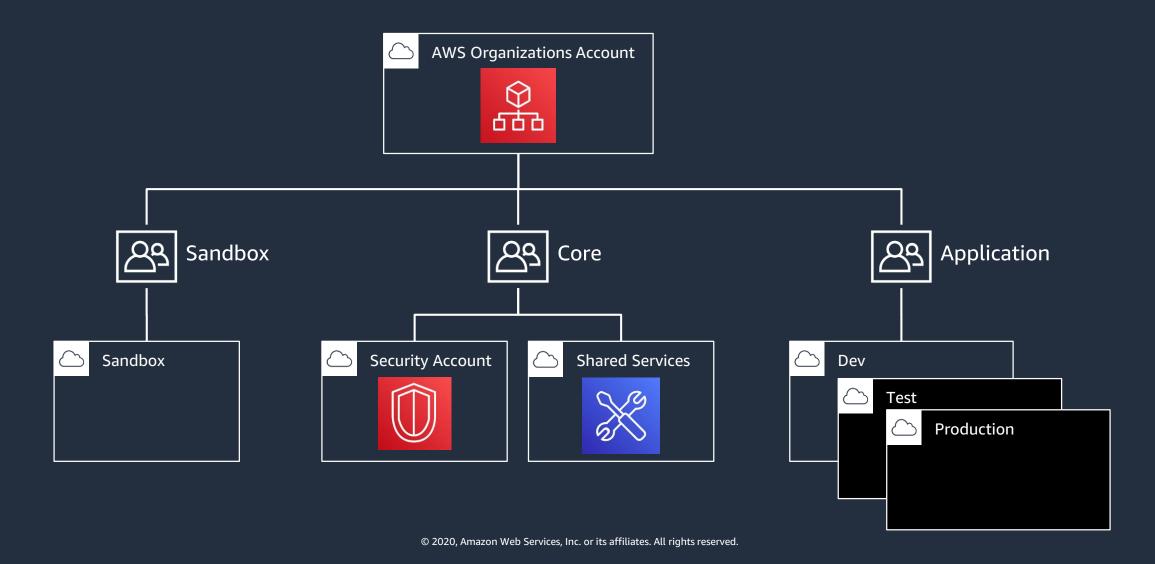


Least privilege

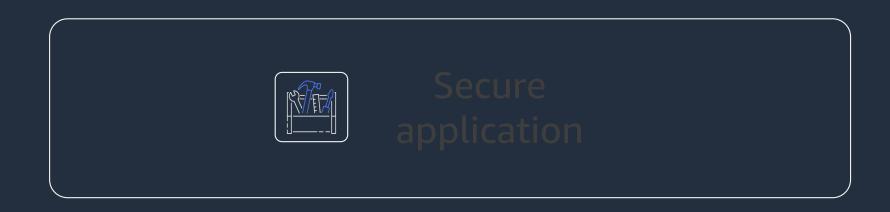


Disable public buckets

Separation of duty – multi-account strategy



Security considerations







Separation of duties



Monitoring

Monitoring



AWS Guard Duty







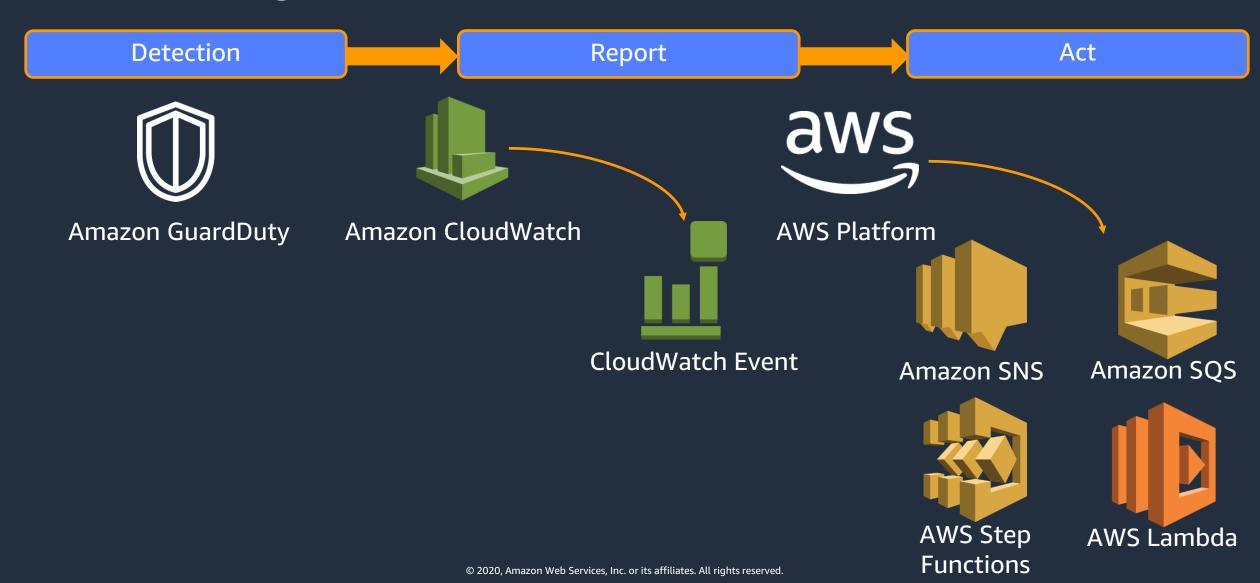


Queries to questionable domains



AWS CloudTrail history of AWS calls and user activity

Automating Remediation



Monitoring





Monitoring – the easy way



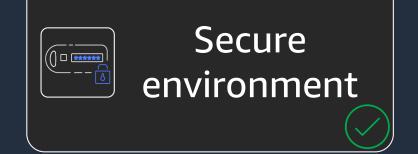
© 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Monitoring - evolution



Security considerations





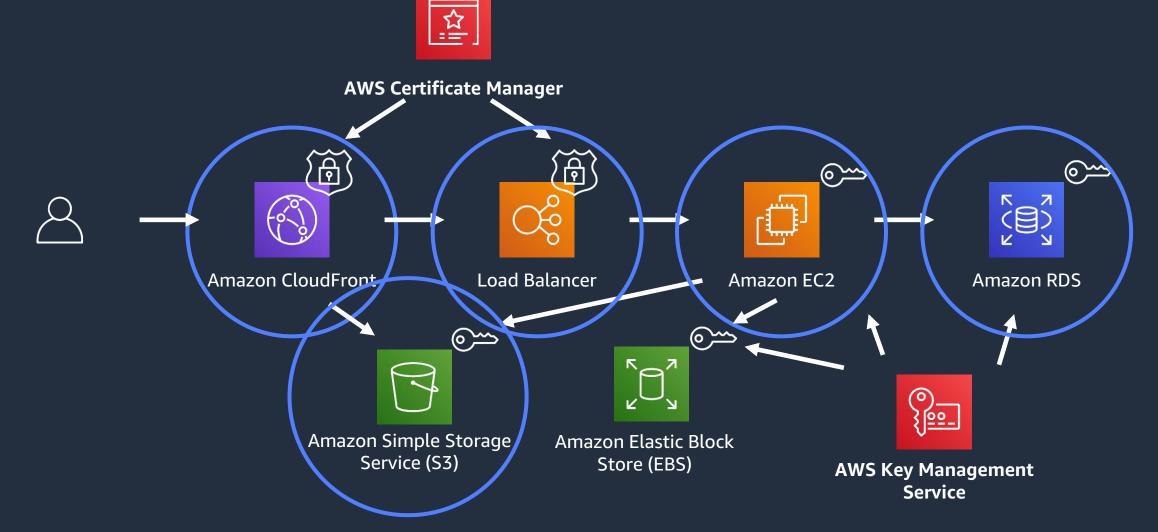


Separation of duties

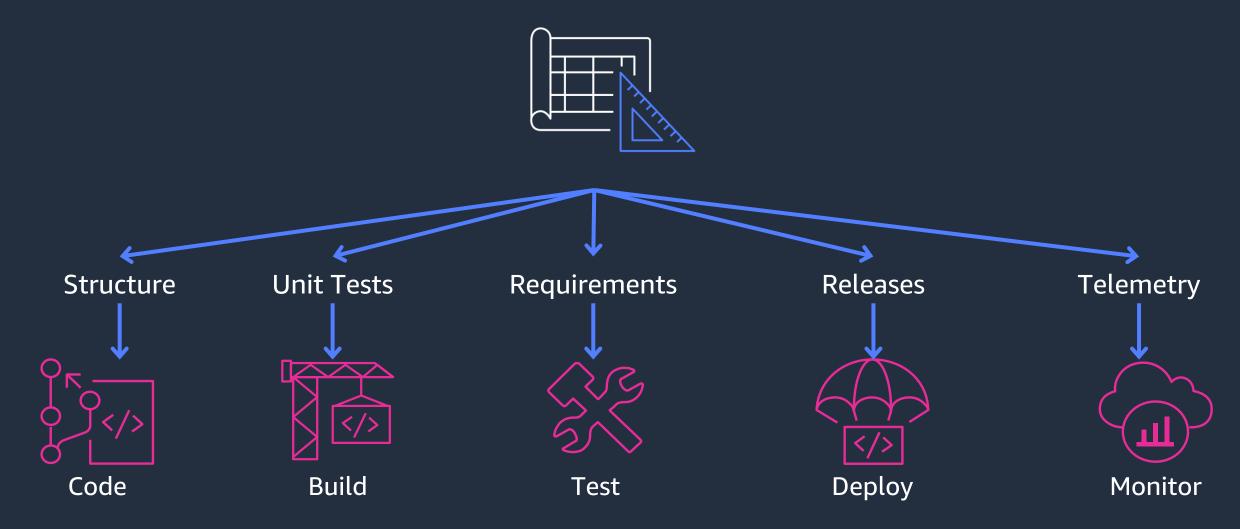


Monitoring

Secure application = use service features



Every step an opportunity for compliance



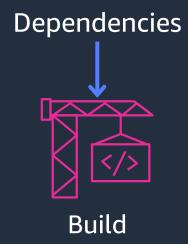
Security considerations

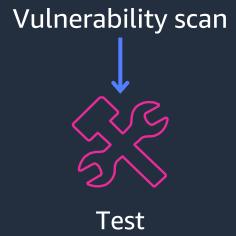


Security mechanisms = complete

Code analysis

Code









"What if we weren't here tomorrow?"

Total cost and effort?

	Cost per month	Effort to Implement
Federate Identity - Free	\$O	1 hour
Use multiple accounts – Free	\$0	1 hour
AWS CloudTrail Logs – S3 storage	\$3 (typical)	30 minutes
AWS Config – per rule + \$0.003/configuration item	\$10 - 5 rules in prod \$3 – 1000 items in prod account	1 hour
Amazon Guard Duty – Typically 1%	\$0.16	15 minutes
	\$16.16 / month	3 hours 45 minutes

\$16.16/month and less than a day for...





Basic monitoring







...from Day 1

Resources

AWS Security Best Practices

August 2016

We welcome your feedback. Please share your thoughts at this link

AWS Well-Architected Framework
November 2018

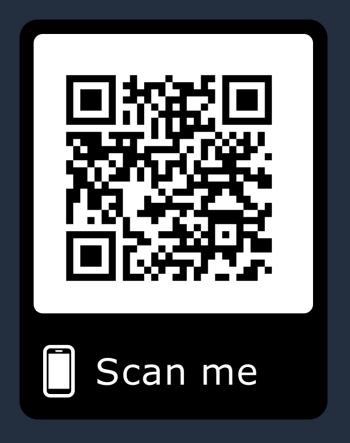


https://aws.amazon.com/whitepapers/

https://aws.amazon.com/architecture/
well-architected/



Keep Your Finger on the Pulse Tune in to AWS TechChat



AWS TechChat - a podcast series offering cloud enthusiasts, IT practitioners and developers the latest thinking and insights from AWS subject matter experts.

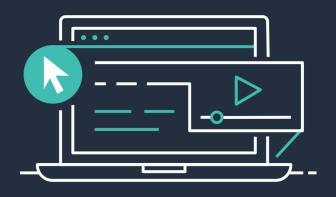
Keep informed of the latest tips, best practices and insights from AWS subject matter experts to build on the cloud.

Tune in now:

https://aws.amazon.com/podcasts/aws-techchat/



AWS Digital Training



Learn at Your Own Pace AWS Digital Training offers free on-demand digital courses that help you learn new cloud skills and services when and where it's convenient for you.

Featured Courses

- <u>AWS Cloud Practitioner Essentials (Second Edition)</u>
 Learn the fundamentals of the AWS Cloud and prepare for the AWS
 Certified Cloud Practitioner exam.
- Amazon DynamoDB for Serverless Architectures
 An introduction to Amazon DynamoDB and how it's leveraged in building a serverless architecture
- <u>AWS Security Fundamentals</u> Learn fundamental cloud computing and AWS security concepts, including AWS access control and management, governance, logging, and encryption methods.
- Getting Started with Amazon Simple Storage Service (Amazon S3)
 Learn the knowledge to determine when to use Amazon S3 by reviewing typical use cases and understanding how the service provides object storage for your applications



Thank you for attending AWS Builders Online Series

We hope you found it interesting! A kind reminder to **complete the survey.**Let us know what you thought of today's event and how we can improve the event experience for you in the future.

- aws-apac-marketing@amazon.com
- twitter.com/AWSCloud
- f facebook.com/AmazonWebServices
- youtube.com/user/AmazonWebServices
- slideshare.net/AmazonWebServices
- twitch.tv/aws

