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Security as Transformation Enabler

Kim Kuok Chiang

Senior Security Advisor (APJ) Amazon Web Services kuokk@amazon.com

Global Cloud Services

Infrastructure allows you to run workload

You have the same access and capabilities no matter where you are

200+ fully featured services from data centers globally





Cloud is fundamentally different; You have to adapt



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UK National Cyber Security Centre

Updating Cold War era data classification unblocked government digital transformation.

Past policies were based on outdated and less functional IT.



https://aws.amazon.com/blogs/publicsect or/how-updating-cold-war-era-dataclassification-unblocked-governmentdigital-transformation/ "UK modernization of data classification concepts and processes enabled more responsive public services, as well as massive savings (£1.7bn in 2014 alone)."



Builder mindset

New cyber threat model Refresh policies

New results

Real-time flood alerts

Access to education





Protect identities, infrastructure, applications and data



Identity and Access Management

Multi-Factor Authentication (MFA) everywhere

Granular permissions

Continuous verification



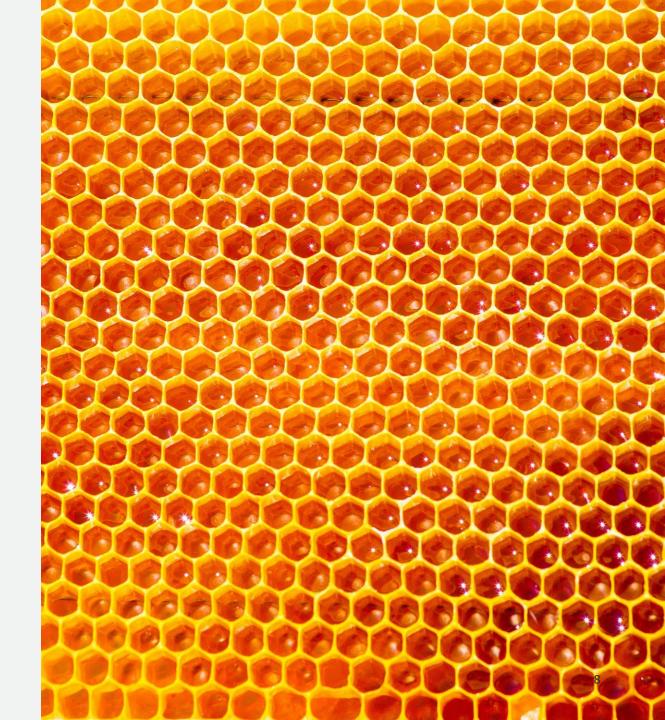


Network

Micro segmentation

Combine identity + network controls

Encrypted traffic is everywhere (≥ TLSv1.2)





Data Protection

Digital sovereignty of your data

Encrypt everything

Use encryption keys for access control

Confidential computing using AWS Nitro System



Collaborative Community

Build a strong <u>security culture</u>

Everyone has a role in security

Cyber owns, builds and operates security services







Thank you!

Kim Kuok Chiang

AWS Senior Security Advisor (APJ)

kuokk@amazon.com

Resources

- How updating cold war era data classification unblocked government digital transformation? <u>blog</u>
- Create real-time flood alerts with the cloud. <u>blog</u>
- Sekolah.mu secures education service for 11 million students. <u>Blog</u>
- UK National Cyber Security Centre <u>cloud security resources</u>

