

'Hey you, get off of my cloud'

Insights into Cloud Security



*experts in the identification,
assessment & mitigation of risk*

by
Dave Loveland, CISSP, OSCP
Mathew Gilliat-Smith, EVP
Convergent Risks

What stage are you at?

Migration to Cloud Workflows

Embryonic

Planning/design

Established

Developing capability

Thinking of migrating
to the cloud

Planning a migration
to the cloud

Already migrated
to the cloud

Migrating additional
workloads to the cloud

Observations







Public cloud is becoming the norm rather than the exception.

Cloud security challenges faced by companies large or small.

Pure cloud vs. the hybrid model

The push for remote working...

Keep it simple.

Common Issues	Type	Result
	Accidental Misconfiguration	Inadvertently exposing data
	Poor user identity management	Vulnerable to credential stuffing/interception
	Poor vulnerability management	Systems have known vulnerabilities
	Insecure API configuration	Malicious access to content/data
	Lack of cloud security awareness	Inadvertently deploying cloud workloads with vulnerabilities.
	Lack of adequate security monitoring	Malicious activity goes undetected

Avoid Common Security Pitfalls

Planning



Have clear usage objectives.

Understand your workflows. How will your data be protected?

Don't just lift n' shift security - what was right then is not right now.

Avoid Common Security Pitfalls

Awareness & Training



Follow cloud provider best practice guidance - avoid common mistakes.

Are your IT staff / IT provider adequately trained? Education is important!

Consult independent hardening guides - reduce your attack surface!

Avoid Common Security Pitfalls

Safe Configuration



Patch those systems - make it difficult for the hacker, even in cloud, patching and vulnerability management is still paramount!

Deploy security policies (not paper ones!)
Prevent misconfigurations.

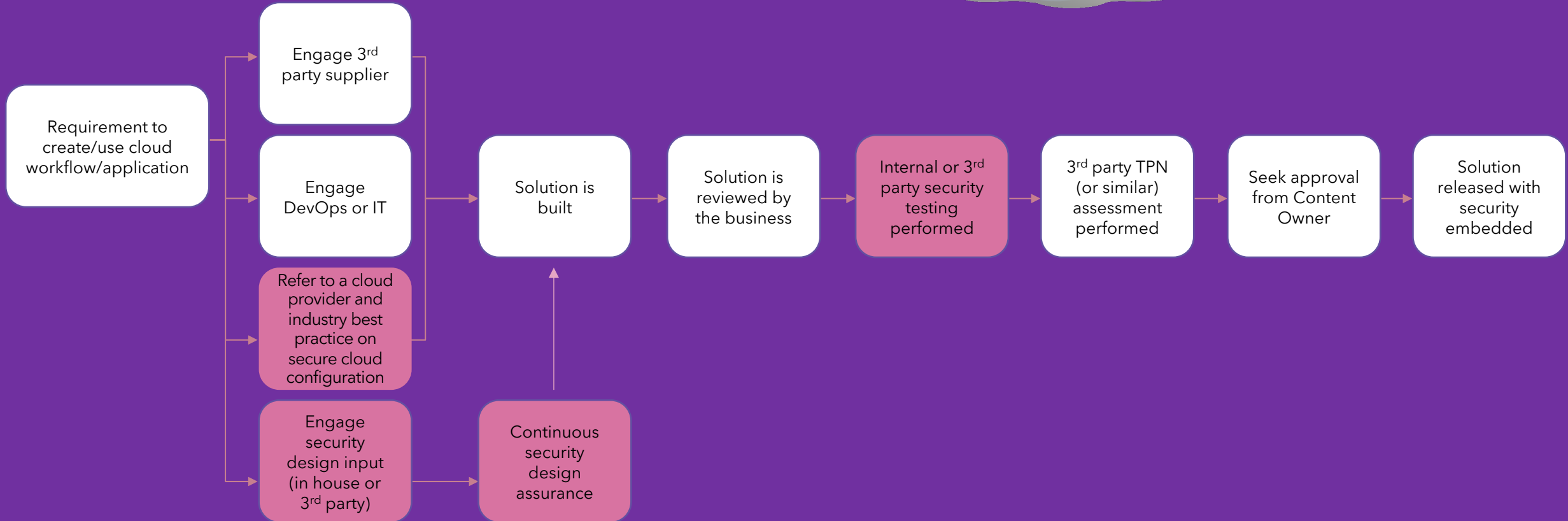
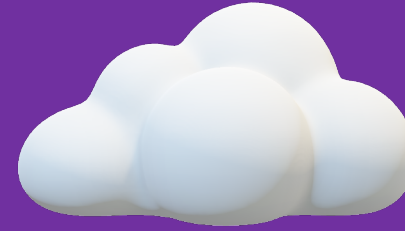
Use the built-in cloud security tooling.

The Cloud is Never Still

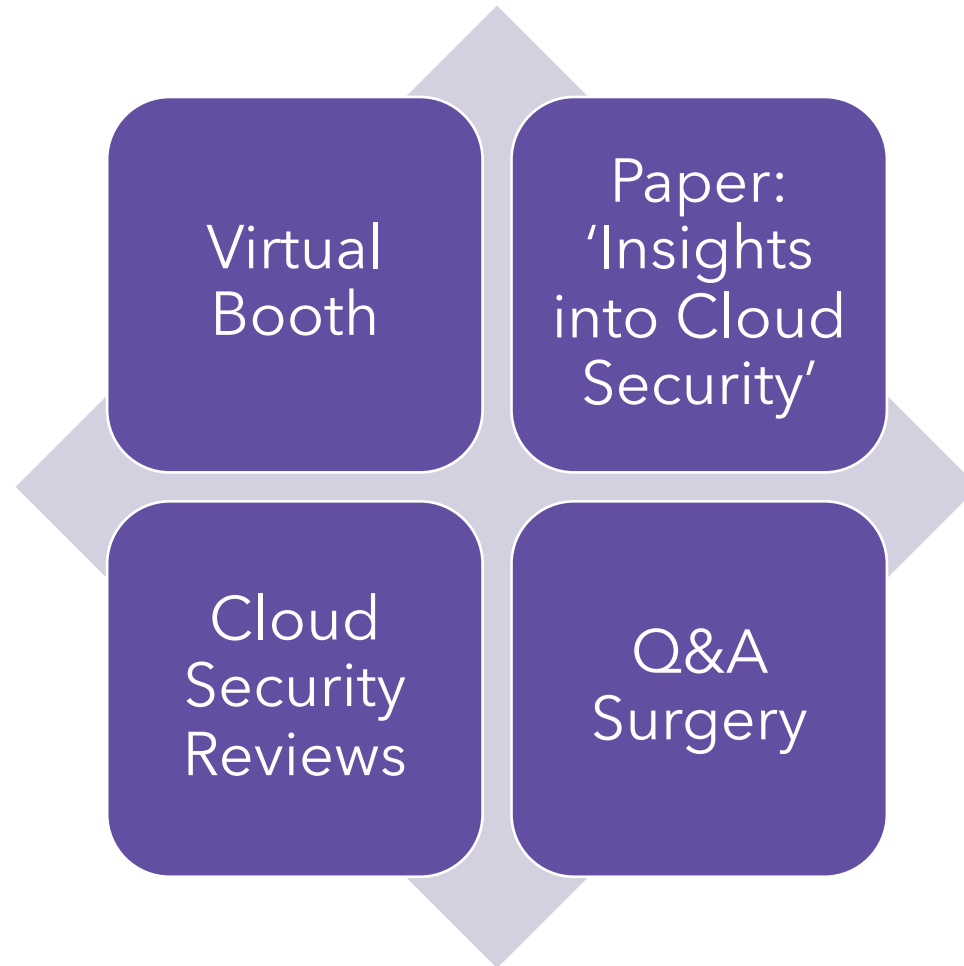
Security is continuous



With **Security** by Design...



More Information & Discussion



www.convergentrisks.com

info@convergentrisks.com

Offices in UK & US with global representation

- TPN security assessments
- General assessments
- Penetration testing
- Vulnerability scanning
- Cloud security reviews
- Privacy compliance
- Management Portal