

From 0 to Secure in 1 Minute

APPSEC IL 2015

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CCSK, CCSP



#About

- ✓ **Information security professional for over 20 years**
- ✓ **Popular industry speaker & lecturer (DefCon, BlackHat, Infosec and more)**
- ✓ **Co-Contributor for CCSK, CCSP and other cloud security initiative.**
- ✓ **Founded Cloud7, Managed Security Services provider (currently 2bsecure cloud services)**
- ✓ **Partner at Clarisite – Your customer's eye view**
- ✓ **Partner at FortyCloud – Make your public cloud private**
- ✓ **Member of the board at Macshava Tova – Narrowing societal gaps**
- ✓ **Certified CCSK instructor for the Cloud Security Alliance.**
- ✓ **Certified CCSP instructor for ISC2.**
- ✓ **Co-Chairman of the Board, Cloud Security Alliance, Israeli Chapter**

About the Cloud Security Alliance

- ✓ Global, not-for-profit organization
- ✓ Building security best practices for next generation IT
- ✓ Research and Educational Programs
- ✓ Cloud providers & security professionals Certifications
- ✓ Awareness and Marketing
- ✓ The globally authoritative source for Trust in the Cloud

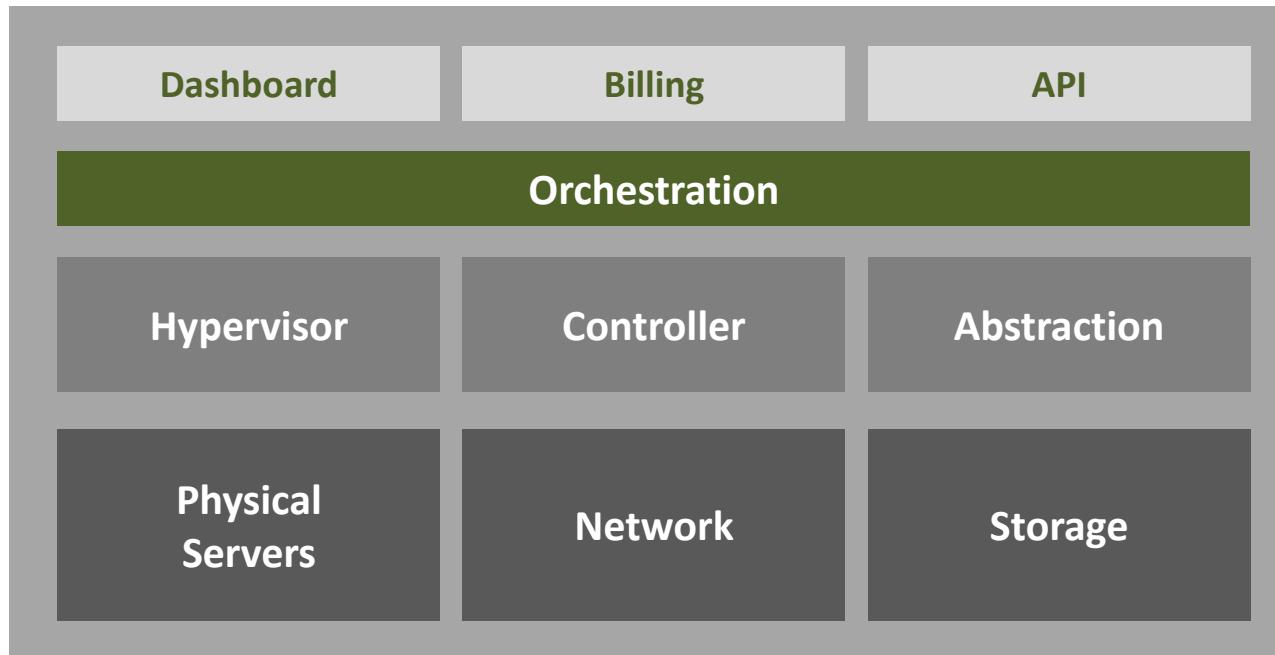
“To promote the use of best practices for providing security assurance within Cloud Computing, and provide education on the uses of Cloud Computing to help secure all other forms of computing”

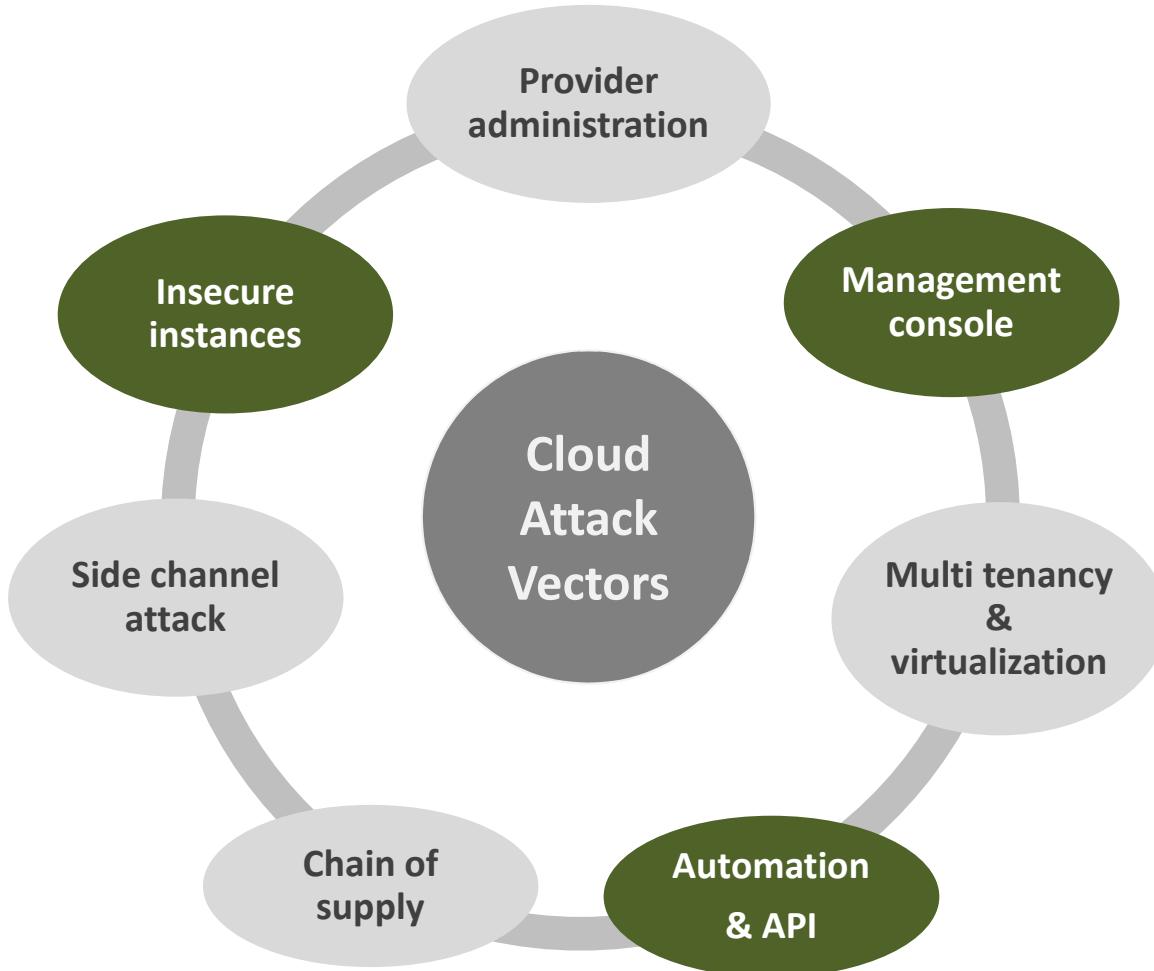
*CSA Israel:
Community of
security professional
promoting
responsible cloud
adoption.*

About the talk

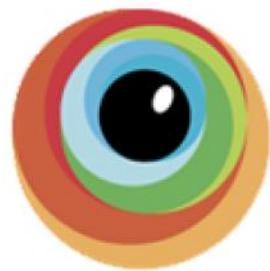
Cloud security challenges and benefits

And more specifically, using IaaS automation and orchestration features for increasing the security



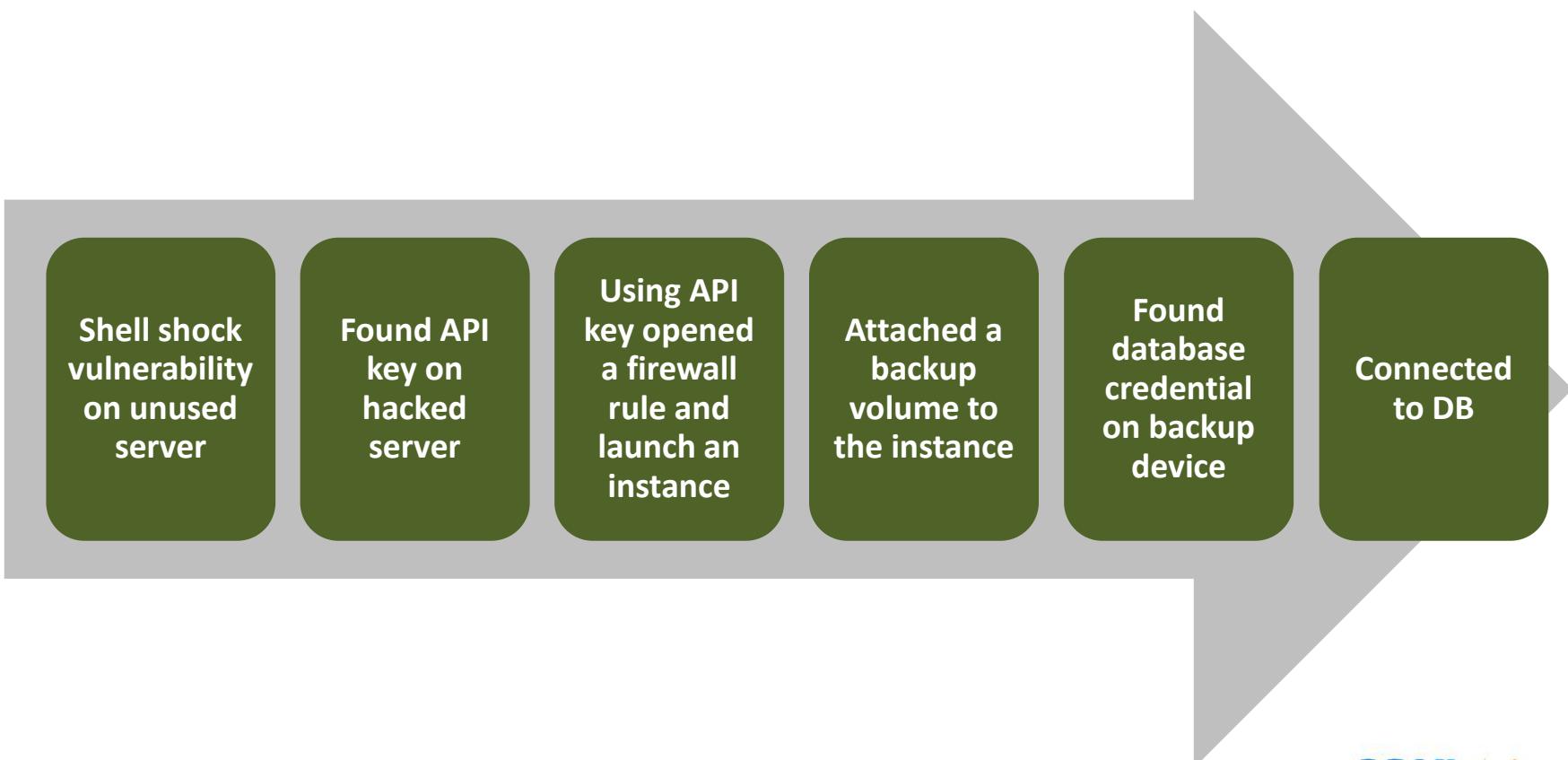


Anatomy of a cloud hack



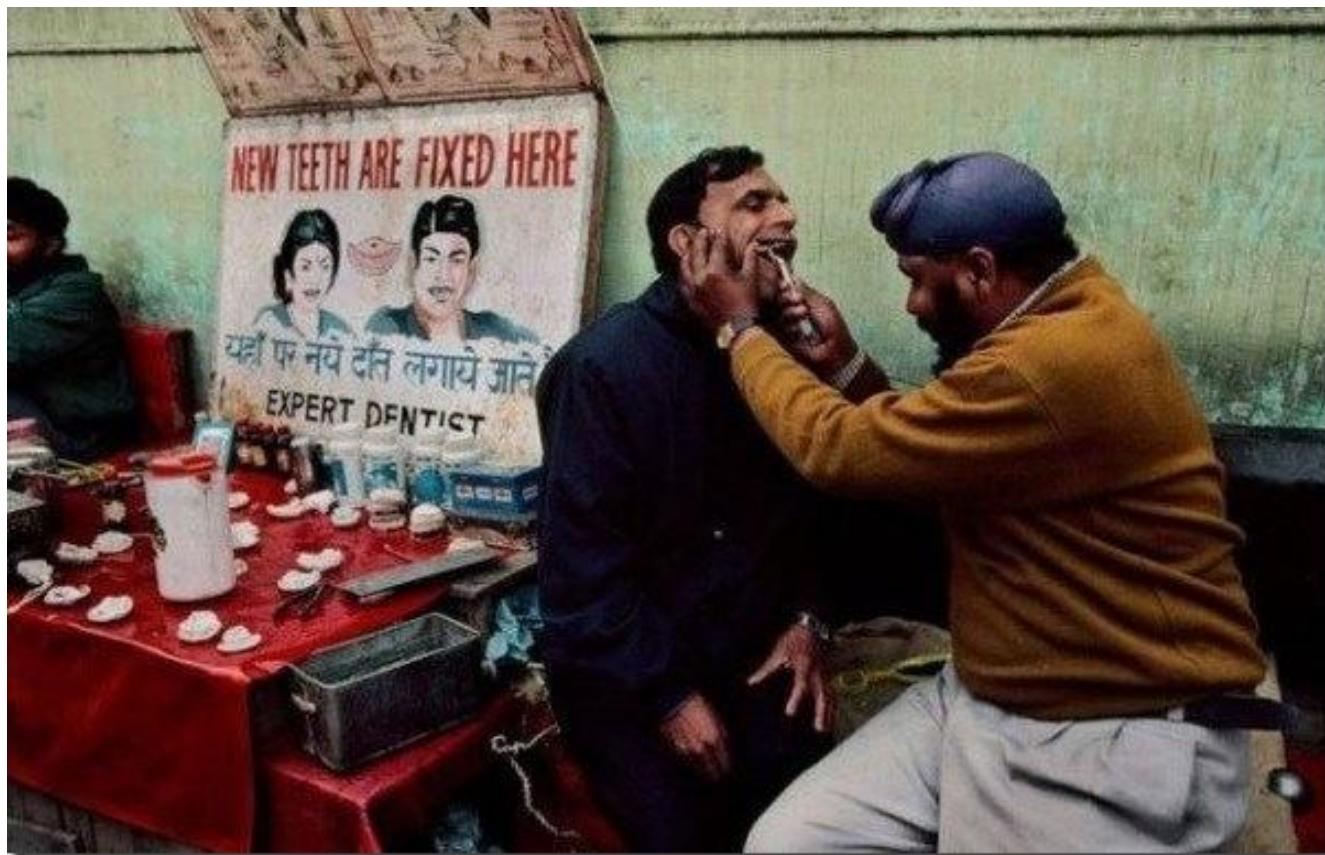
BrowserStack

Anatomy of a cloud hack – the BrowserStack story



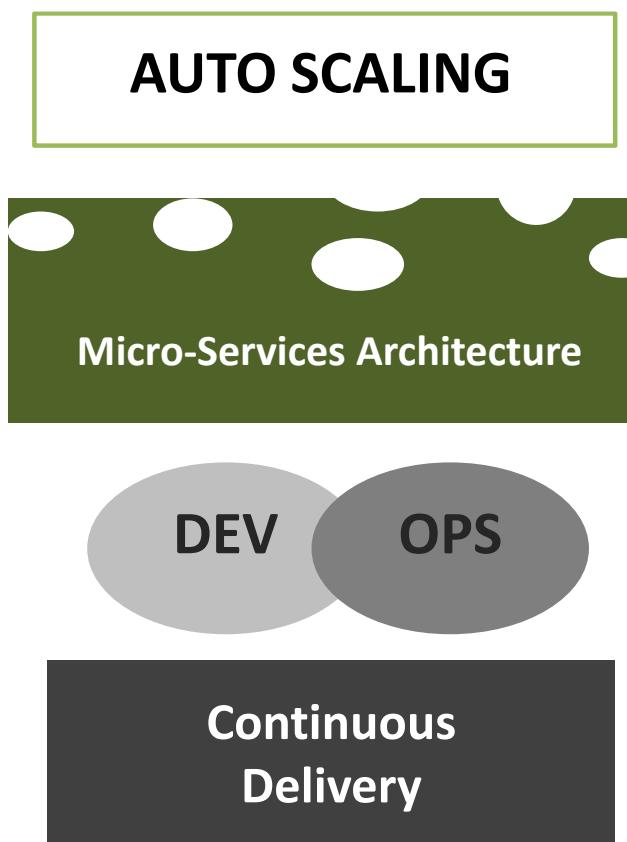
SOURCE: <https://www.browserstack.com/attack-and-downtime-on-9-November>

Do we have the right tools?



Source: http://ifail.info/wp-content/uploads/2010/04/street_dentist_thumb.jpg?98bbf9

Architecture & Deployments is changing



The billing cycle is reducing

Google slashes cloud platform price again

Microsoft will offer Azure by the minute to take on Amazon's cloud

Microsoft follows Google with by-the-minute cloud blending

1 hour

10 min

1 min

CSAIL cloud security
ISRAEL alliance™



How to do security when servers alive for 10 minutes?

Patch management

**Maintenance
windows**

**Periodic vulnerability
scanning**

Hardening

DON'T LET SECURITY HOLD YOU DOWN



Source: www.avon-barrier.co.uk

Introducing

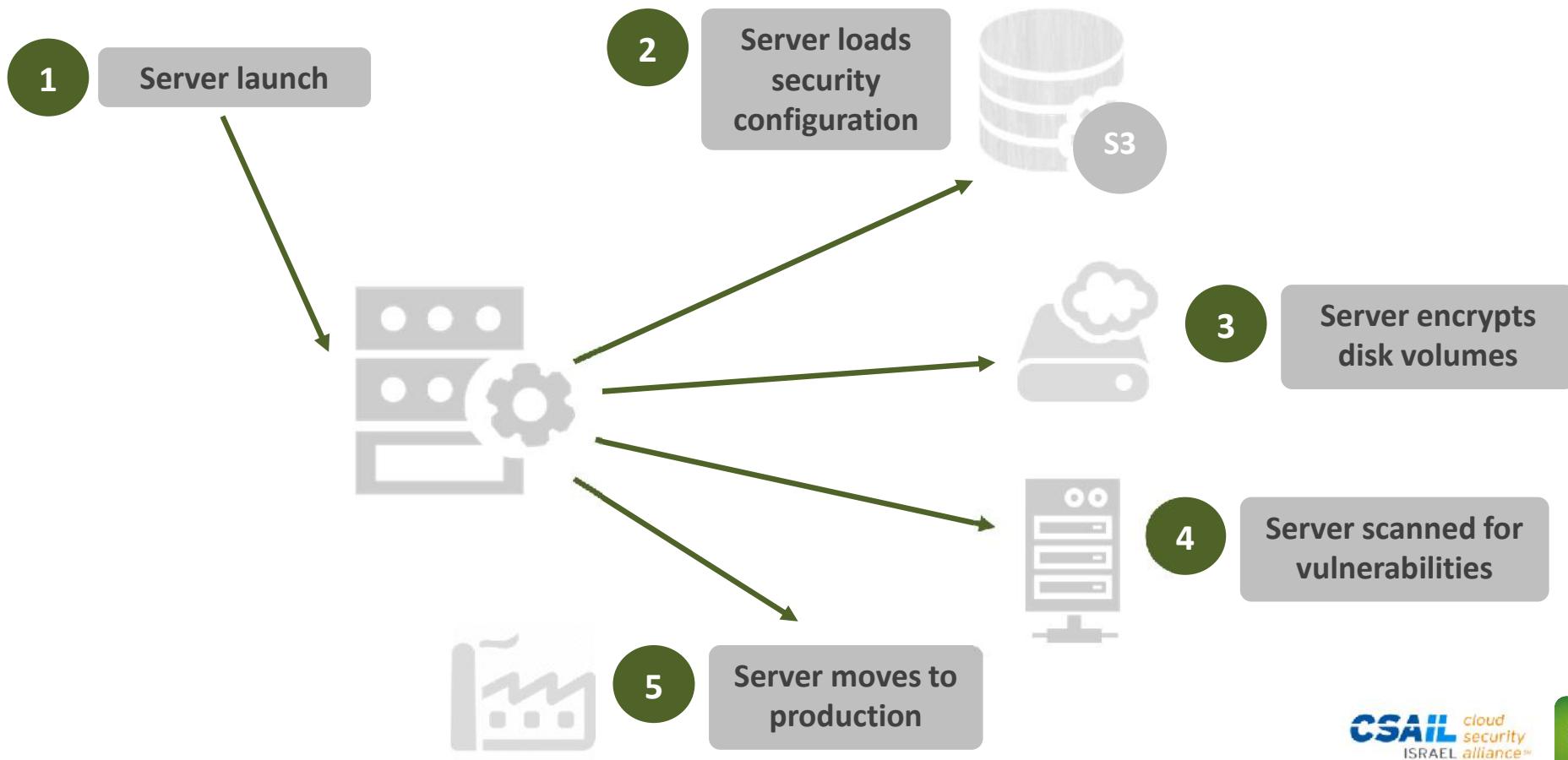


SOURCE: <http://www.cloudefigo.org/>

Based on the work made by Rich Mogull from Securosis
<https://github.com/securosis>



Cloudefigo Lifecycle



Components

Object
Storage



Vulnerability
Scanner



Cloud-Init



Configuration
Management



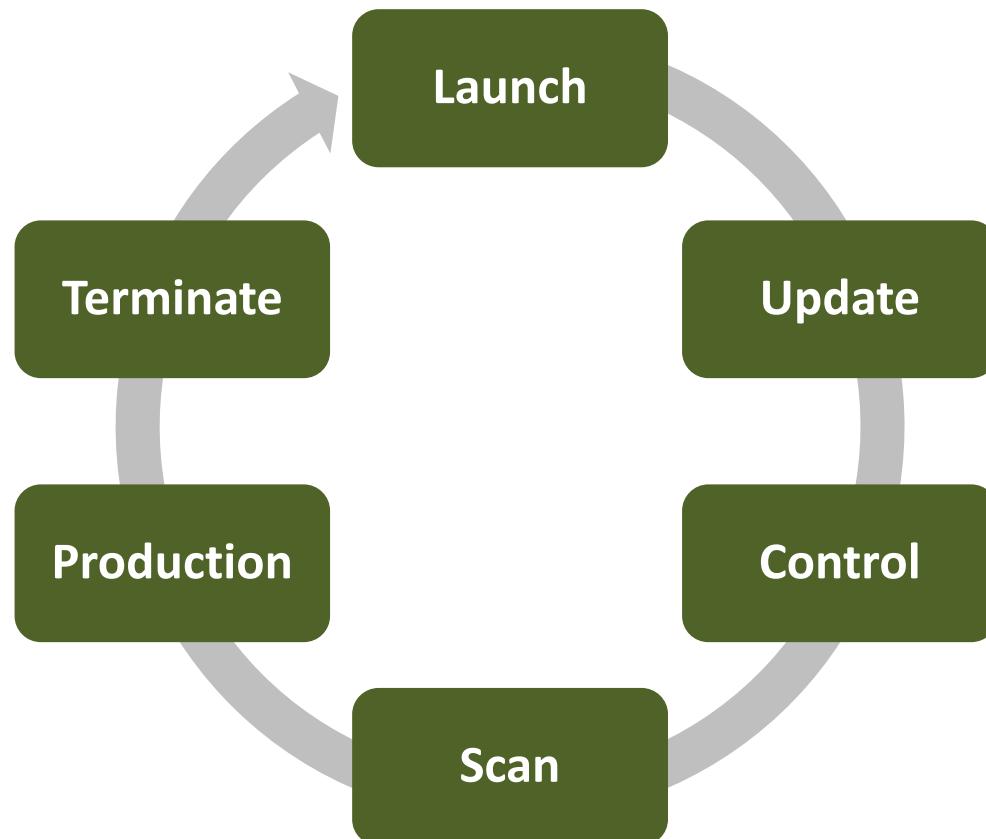
IAM Roles



Volume
Encryption



Instant Lifecycle



Wrapping Up

The new software architecture and applications delivery in cloud module disrupts traditional correctives controls

We need to adopt new thinking to automate security

Think how security automation can help you in moving your infrastructure forward. Faster.

Questions

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