
AWS
re:Invent
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PRT010

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How code-to-cloud security encourages innovation on AWS

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Agenda

Our journeys to the cloud

Automation is crucial to security

The 4C model

Business impact

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From foot to cloud: My journey



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Multilayer security, our vision

Developer-first security

Shift left

Spectral
A Check Point Company

AWS CodeBuild

CloudGuard

CI/CD pipeline

CloudGuard

Workload

CloudGuard

Web interface and APIs

CloudGuard

Infrastructure

aws

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From code to cloud: Your journey

The current landscape and challenges



- Silo
- Supply chain
- Observability
- Legacy technology
- Data integrity

Everything needs to be automated

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THE CHECK POINT ADVANTAGE

THREATCLOUD

Daily inputs from traffic across 150K security gateways worldwide

Translates threat intelligence data into actionable security protections

Security updates in real time



500,000,000+
suspicious file hashes and sites

700,000 +
malware detection daily

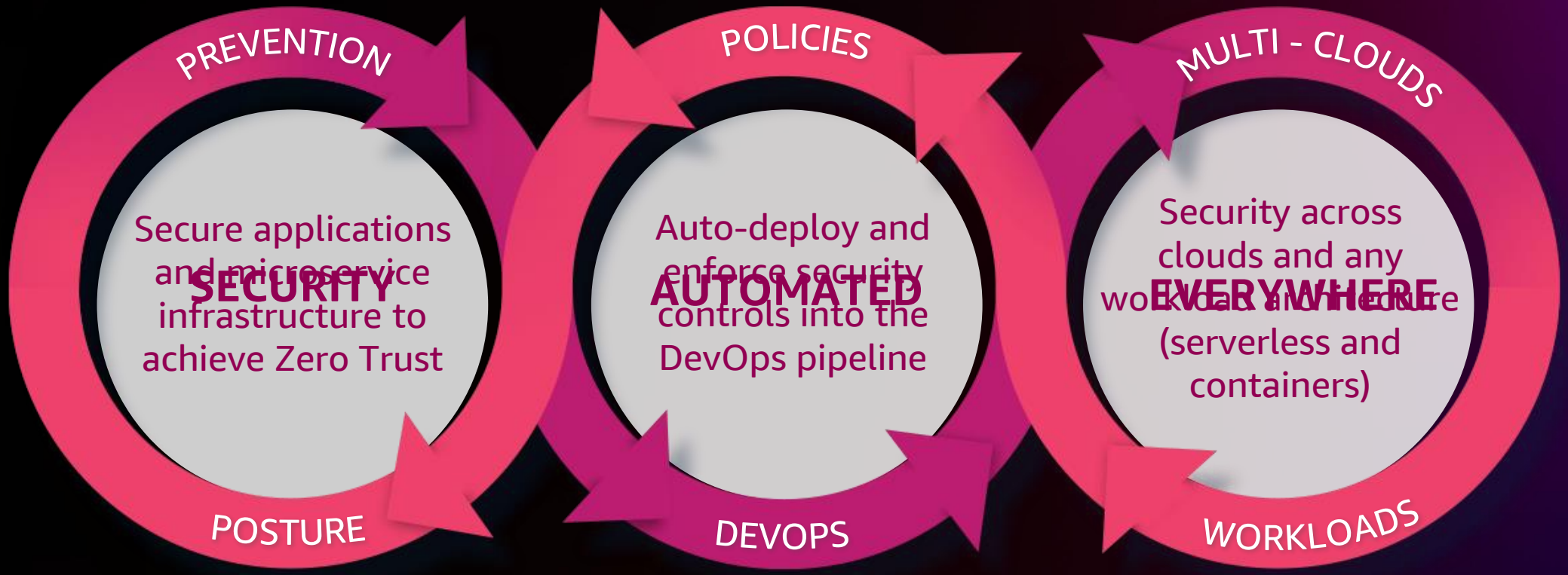
250,000,000
C&C addresses

17,000,000
intrusions detected weekly

11,000,000
malware behavioral signatures

CloudGuard

Automated cloud-native security



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The 4C model – Cloud security concepts

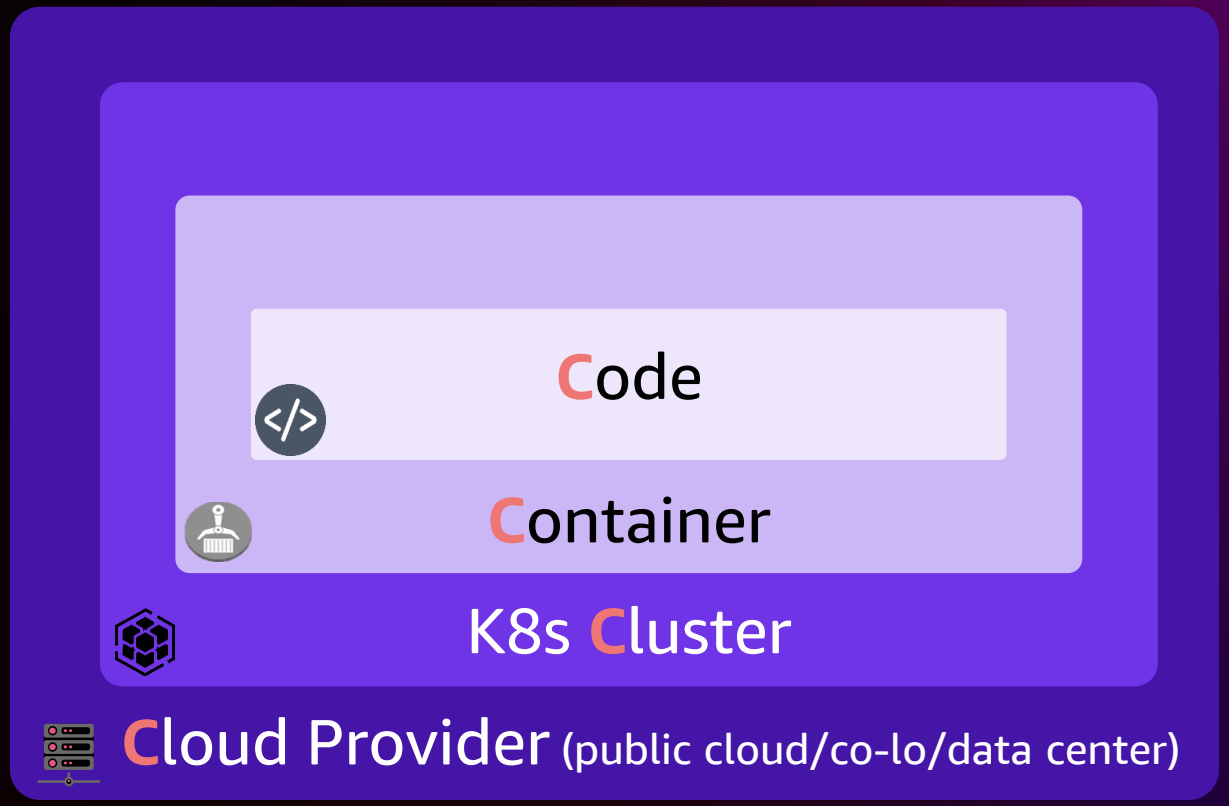
YOU ARE ONLY AS STRONG AS YOUR WEAKEST LINK

The 4 Cs of cloud-native security

Each layer of the cloud-native security model builds upon the next outermost layer. The code layer benefits from strong base (cloud IaaS, cluster, container, code) security layers.

Design principle

This layered approach augments the defense in depth computing approach to security, which is widely regarded as a best practice for securing software systems



Let's translate to modern-day architectures such as serverless

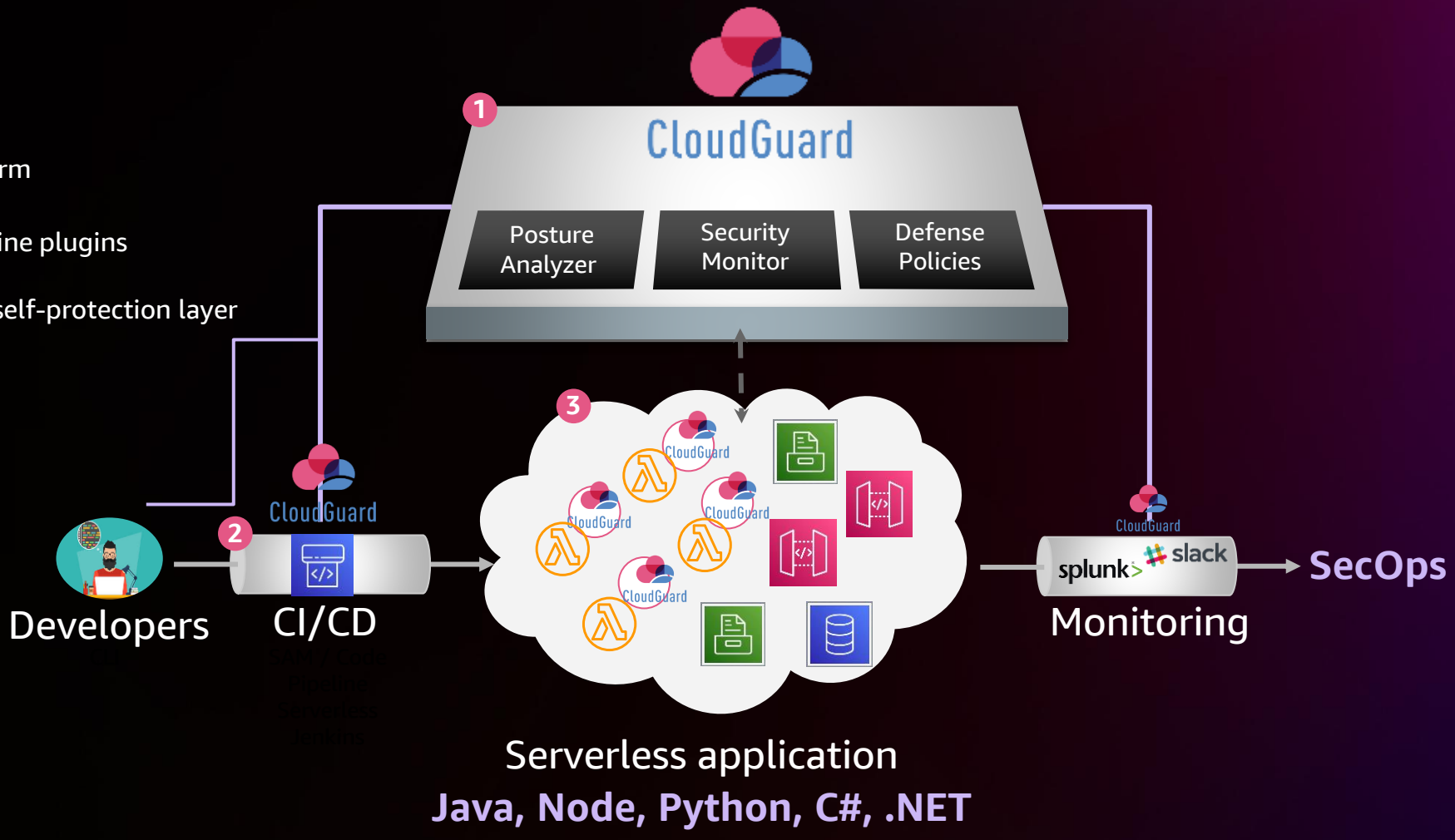
Source: kubernetes.io/docs/concepts/security/overview/

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Serverless security

CHECK POINT CLOUDGUARD

1. SaaS platform
2. CI/CD pipeline plugins
3. Functional self-protection layer



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Business impact and success

Impact is

- Bottleneck – silo
- No collaboration across complex architectures
- Malicious code

Success is

- Time-to-market speed
- Competitive advantages
- Introducing security in the early inceptions of your SDLC

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Sum-up

- Security is not an afterthought
- Be mindful and understand your process and dependencies
- Consistent formula that produces results





Check out our blog post, “Enhancing Serverless Security with Check Point CloudGuard and AWS Lambda Extensions” bit.ly/3SCnc5K



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Thank you!

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