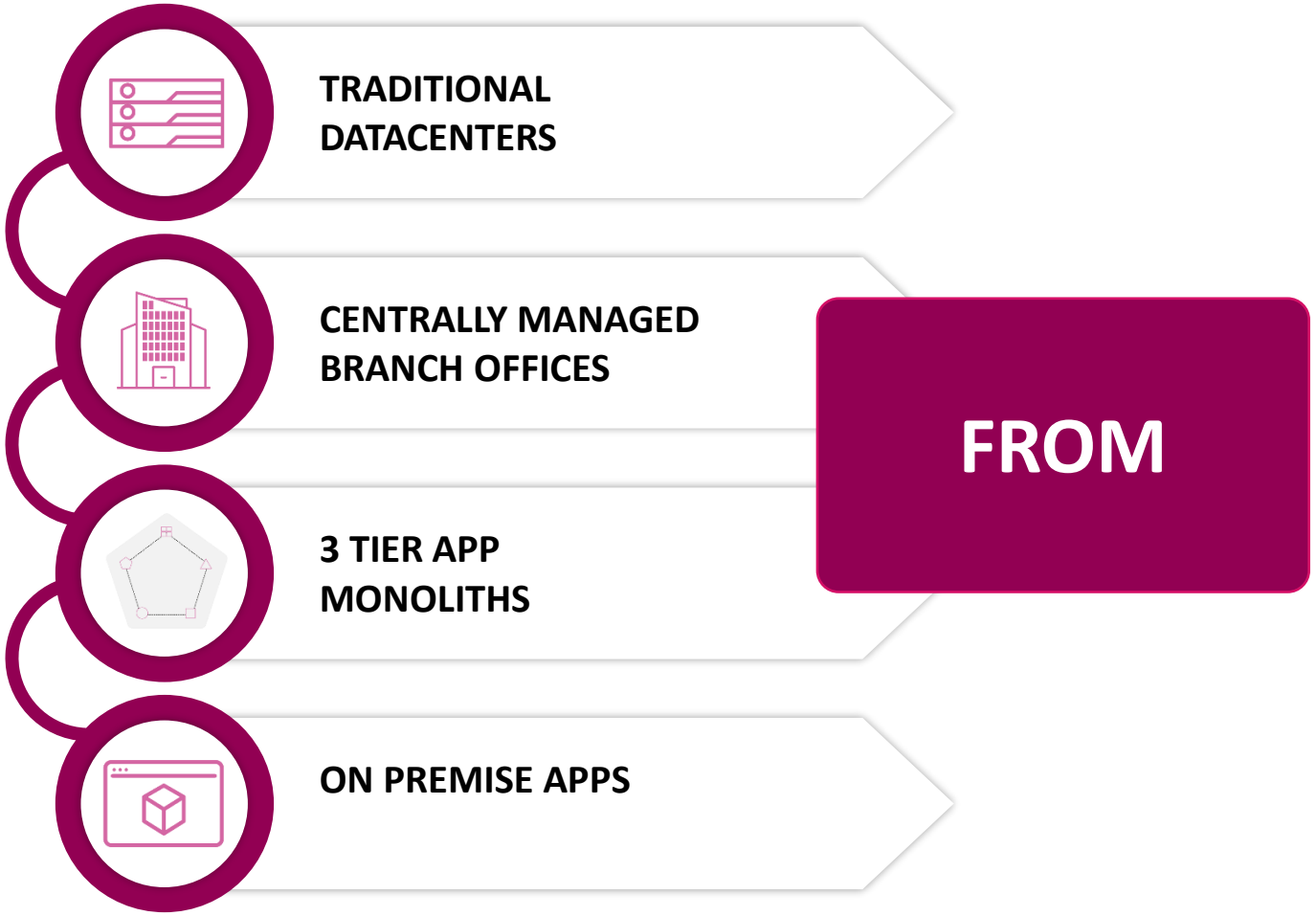
CLOUD WITH CONFIDENCE

Nils-Ove Gamlem| Head of Technology &
Cyber Security Evangelist @ Office of the CTO

Email : nilsoveg@checkpoint.com
LinkedIn : linkedin.com/in/nilsoveg

POLL #1

YOUR DATACENTER & APPS ARE NOW *EVERYWHERE*



YOUR DATACENTER & APPS ARE NOW *EVERYWHERE*

FROM SLOW RELEASE CYCLES – TO DEVOPS SPEED

HYBRID & PUBLIC CLOUD

REMOTE OFFICES CONNECTING DIRECTLY TO THE CLOUD

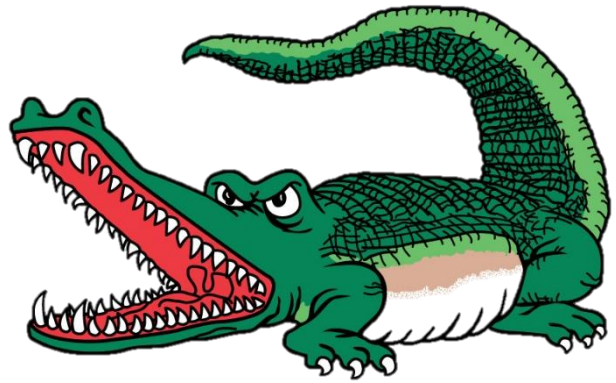
CONTAINERS & SERVERLESS BASED MICROSERVICES

SaaS APPLICATIONS

POLL #2

Dangerous 8: Security & Compliance in Cloud

1. Speed versus Control
2. Fluid Perimeter
3. Shared Responsibility Model
4. Minimal Visibility
5. Manual Configuration Process
6. Ever Changing Workloads
7. Developers Operating @ Speed
8. Multi-Cloud is Hard!



Shared Responsibility Model

Customer

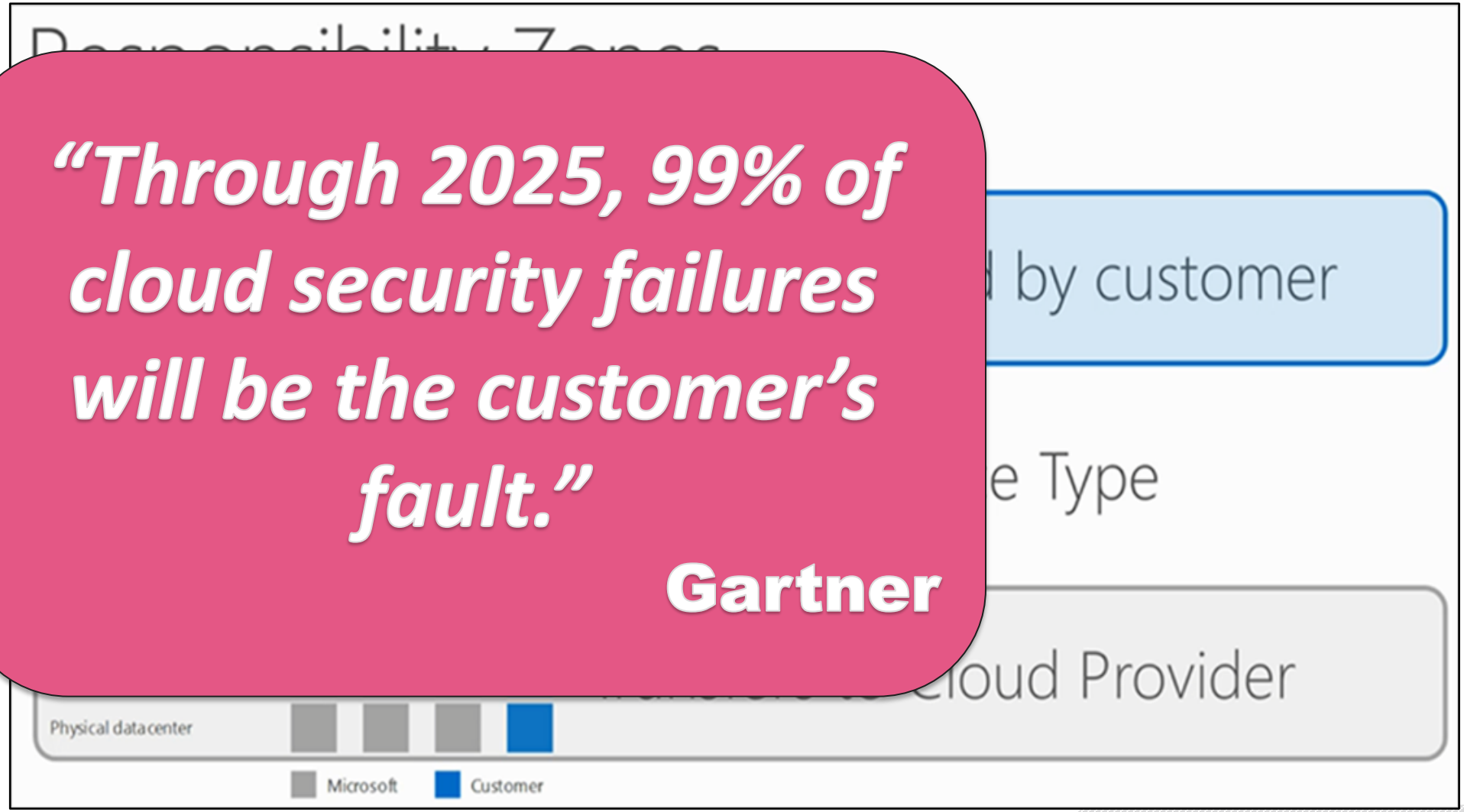
Responsible for security **"IN"** the cloud

Microsoft

Responsible for security **"OF"** the cloud

"Through 2025, 99% of cloud security failures will be the customer's fault."

Gartner



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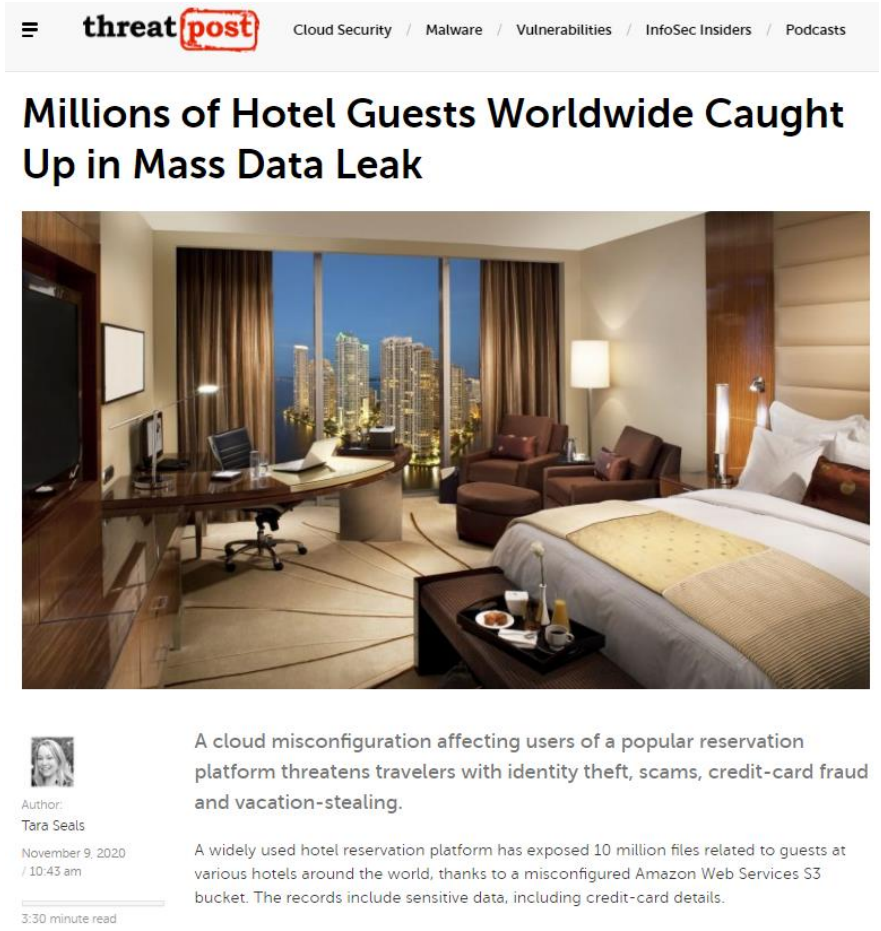
Misconfiguration



threatpost Cloud Security / Malware / Vulnerabilities / InfoSec Insiders / Podcasts

Millions of Hotel Guests Worldwide Caught Up in Mass Data Leak

A cloud misconfiguration affecting users of a popular reservation platform threatens travelers with identity theft, scams, credit-card fraud and vacation-stealing.

Author:
Tara Seals

November 9, 2020 / 10:43 am

3:30 minute read

A widely used hotel reservation platform has exposed 10 million files related to guests at various hotels around the world, thanks to a misconfigured Amazon Web Services S3 bucket. The records include sensitive data, including credit-card details.

- 10 Million files
- S3 Bucket
- The exposure affects a wide number of platforms, with data related to reservations made through Amadeus, Booking.com, Expedia, Hotels.com, Hotelbeds, Omnibees, Sabre and more.
- “We can’t guarantee that somebody hasn’t already accessed the S3 bucket and stolen the data before we found it,” researchers said. “So far, there is no evidence of this happening. However, if it did, there would be enormous implications for the privacy, security and financial wellbeing of those exposed.”

Disparate Solutions Come Short

Security @ Scale

"I need to deploy multi-layer security across all my cloud environments"

Security @ Speed

"I can't keep up with the rapid changes of my cloud applications"

Security @ Everywhere

"I need a consistent security approach to all my cloud environments"

@ THE SPEED OF DEVOPS

Deploy and protect at cloud scale and speed

across all clouds, assets and networks

modern applications built on micro services

Correlate cloud traffic, users and workloads

01

Network Security & Threat Prevention

02

Security Posture Management

03

Application Security

04

Intelligence & Threat hunting

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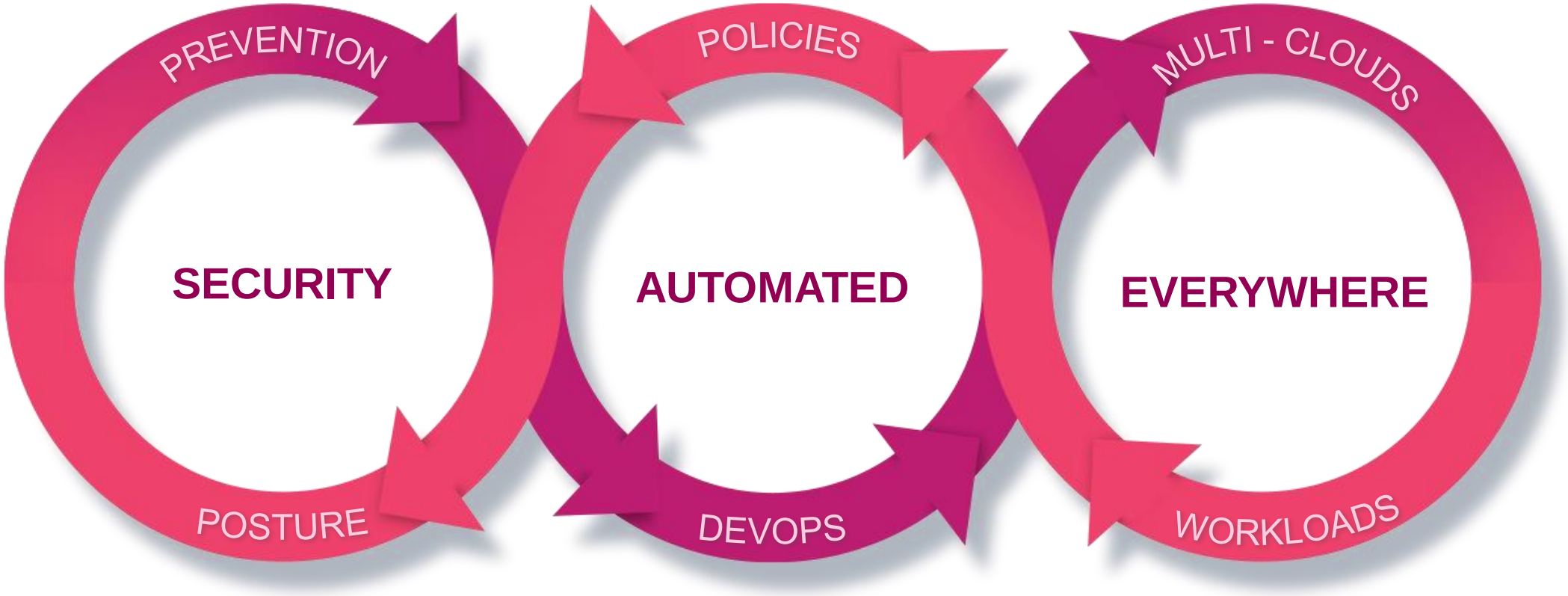
CLOUD SECURITY @ CLOUD SPEED & SCALE



Unified Cloud Native Security

Advanced Prevention

across any cloud and workload

High Fidelity Security

End to end context drives better security

DevOps & Automation

shift left security and automated security

CHECK POINT CloudGuard™

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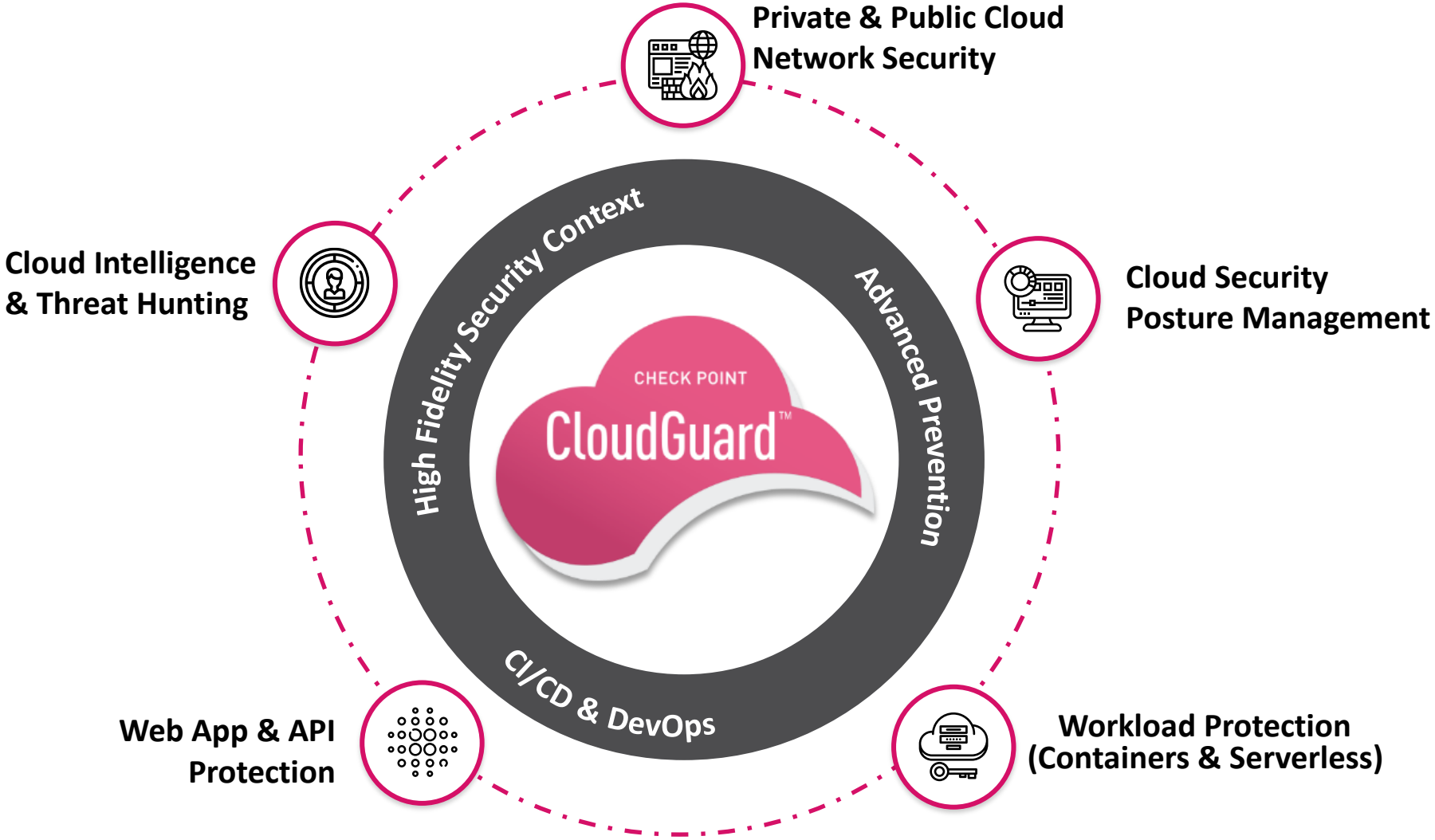
ONE CLOUDGUARD - MULTI CLOUD SECURITY



Cloud Network Security & Threat Prevention

North-South & East-West Security

including Firewall, IPS, Application Control, IPsec VPN, Antivirus and Anti-Bot.

DevSecOps automation

auto-provisioning and auto-scaling along with automatic policy updates

Central management

unified management and prevention across hybrid clouds

CloudGuard IAAS

Microsoft Hyper-V, KVM, Cisco ACI, openstack, vmware NSX, IBM Cloud, Alibaba Cloud, aws, Azure, Google Cloud, ORACLE CLOUD

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Cloud Security Posture Management

Continuous posture management

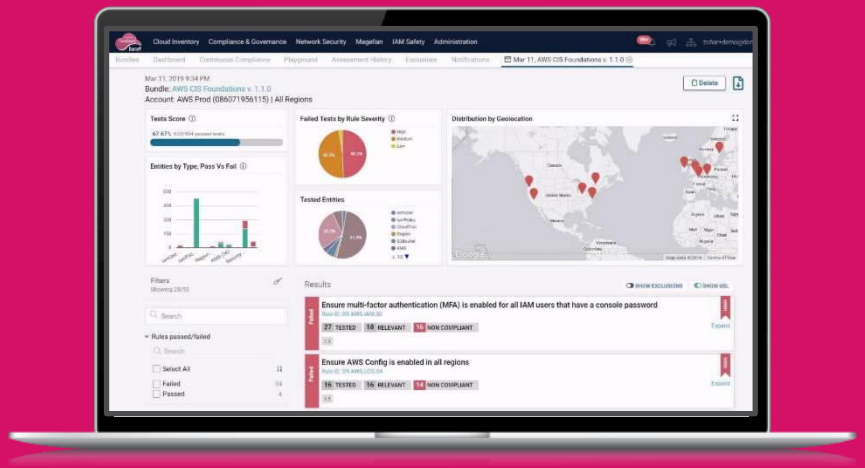
Continuous analysis of multi cloud security posture from CI/CD to Production

High fidelity security

The broadest and most flexible CSPM platform, with over 2000 out of the box rules

Global security language

Leveraging a single global security language across all clouds & assets



CloudGuard DOME9

aws Google Cloud Azure

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CLOUDGUARD

CHECK POINT CloudGuard™

Google Cloud · aws · kubernetes · Azure

kubernetes

High Fidelity Posture Management

- Visualization
- Posture Management Compliance
- Active Protection
- Threat Intelligence (CloudGuard LOG.IC)

splunk> · servicenow · pd · slack · Jira

Bots for Remediation

2020 focus on "Shift Left" and Secure Workloads

Code	node.js · python · C#
Containers	kubernetes
Vulnerabilities	
CI/CD	

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Cloud Inventory

- Identify all of your **cloud services** and **assets with inventory**
- Present network policies of inventory
- Clear identification of cloud accounts

Container & Serverless Security

Cloud workload hardening

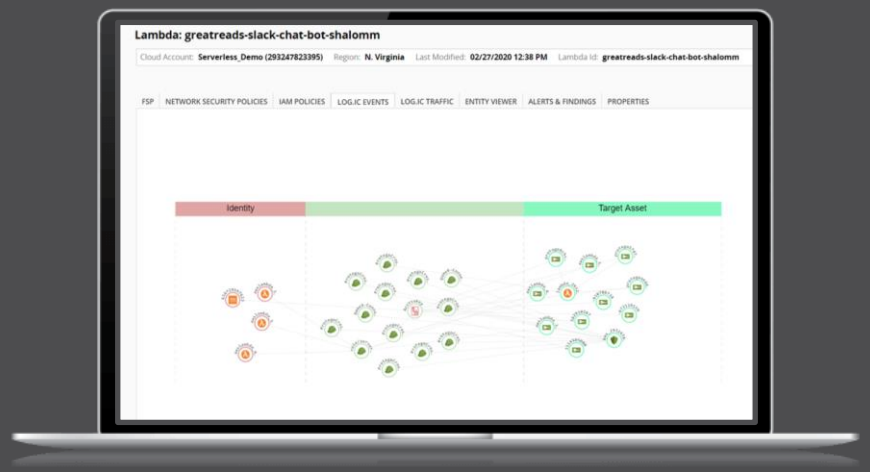
detect over-permissive permissions, vulnerabilities and embedded threats

Automated runtime protection

Multi layer security, leveraging machine learning to profile and protect workloads

Governance and DevSecOps

Enforce granular security policies during CI/CD and production



CloudGuard Workload

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Web Application & API Protection

Complete application security

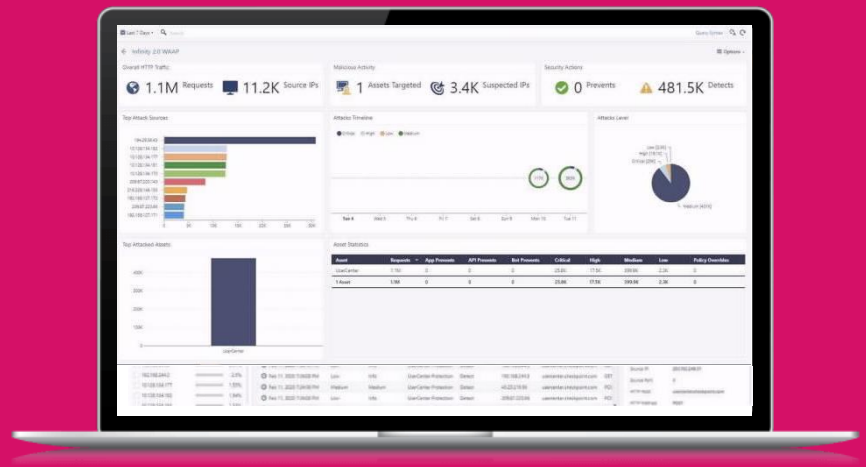
From OWASP top 10 attacks to zero day API attacks, and malicious bot traffic

Fully automated

Self adapts to application changes eliminating manual updates and rule tuning

Flexible deployment

Reverse proxy, proxy servers add on, or as an ingress controller on K8s



CloudGuard WAAP

aws Azure Google Cloud

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Cloud Intelligence & Threat Hunting

Threat hunting

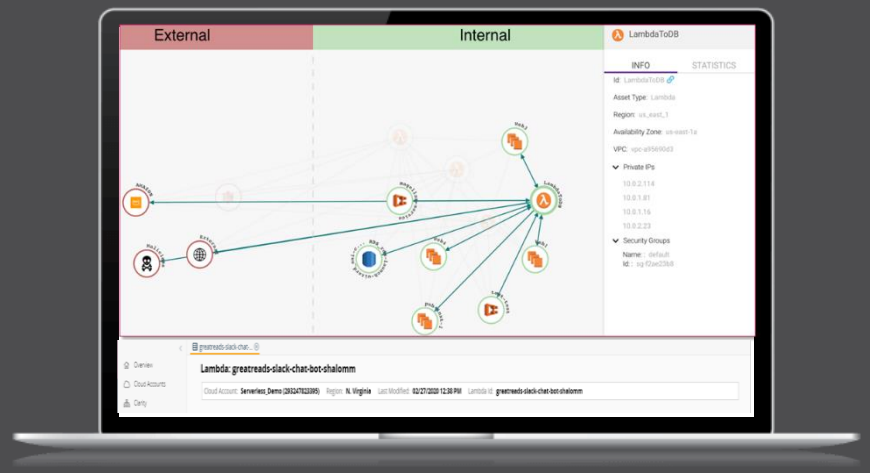
Detect activity anomalies leveraging machine learning and threat research

High Fidelity Context

Highest detection rate and maximum accuracy driven by the rich security context

Actionable Intelligence

intuitive visualization, querying, intrusion alerts and notifications



CloudGuard LOG.IC

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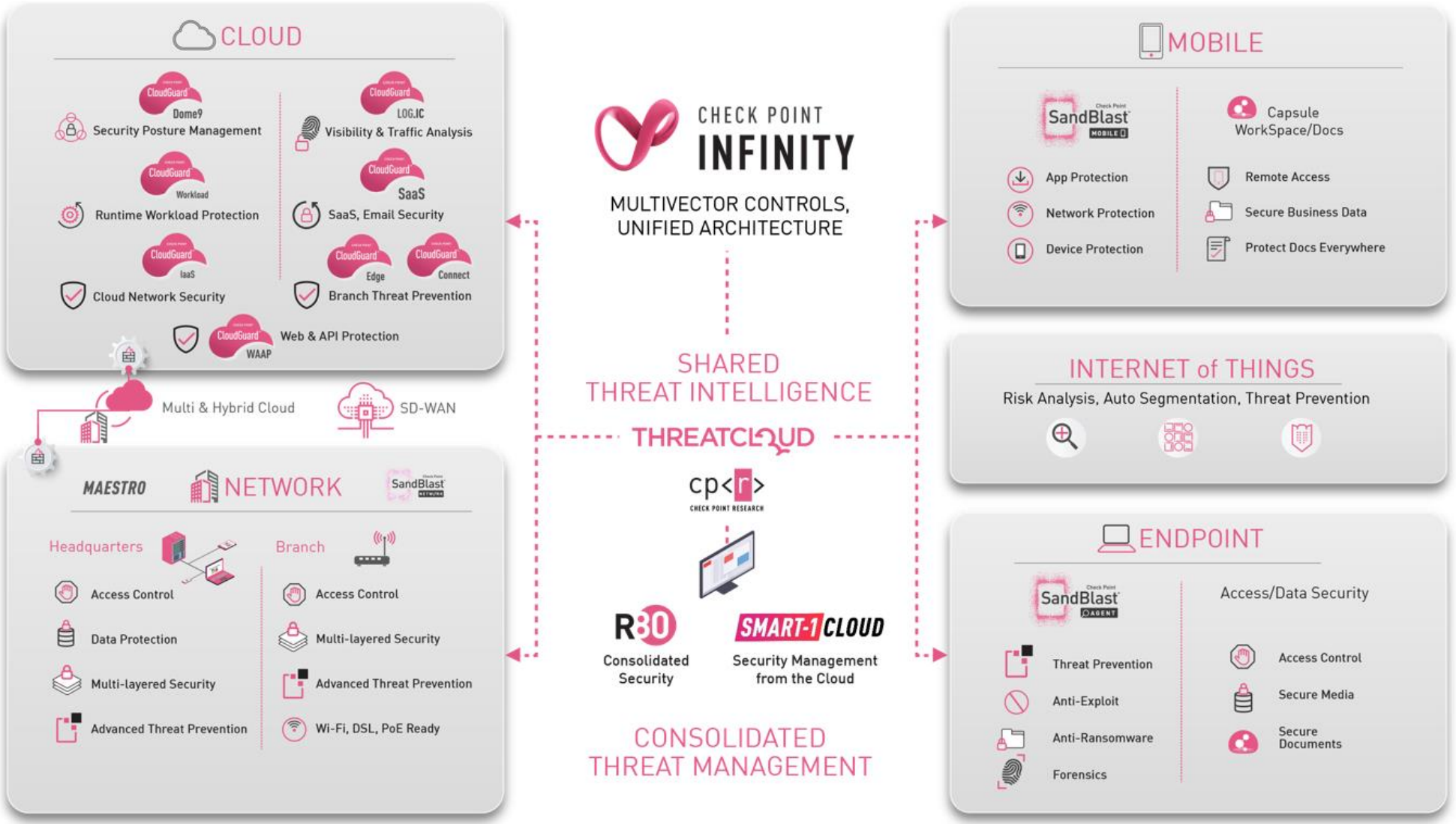
CLOUD WITH CONFIDENCE

WITH CHECK POINT

- UNIFIED
- SECURITY
- AUTOMATED
- EVERYWHERE

CHECK POINT
CloudGuard™

Secure your Everthing



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