paloalto NETWORKS | Cybersecurity Partner of Choice

Managing Cyber Risk through Macro Economic Trends

Sean Duca
Vice President & Chief Security Officer
JAPAC, Palo Alto Networks

CYBERSECURITY MEGATRENDS

Work is now an activity, not a place.

76% of global workers now want the option to work remotely.

Gallup
Remote Workplace Report, 2021

Cloud adoption has accelerated dramatically.

59% of all workloads were running in the cloud in 2022, up from 46% in 2021.

Gartner
State of Cloud Security Report, 2022

Software supply chains are more interconnected and complex.

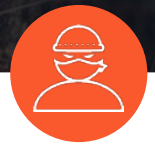
"**Hundreds of millions** of devices likely impacted by Log4j"

Jay Gazlay
CISA Vulnerability Management Office

The cyber talent gap has widened.

76% of organizations say it's difficult to recruit and hire cybersecurity staff.

ISSA
Cybersecurity Skills Report, 2022



Attackers are increasingly emboldened and automated.

35 new ransomware groups emerged in 2022 and **ransomware as a service** is thriving.

Unit 42
Threat Research Report, 2022

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CYBERCRIME EXPECTED TO RISE

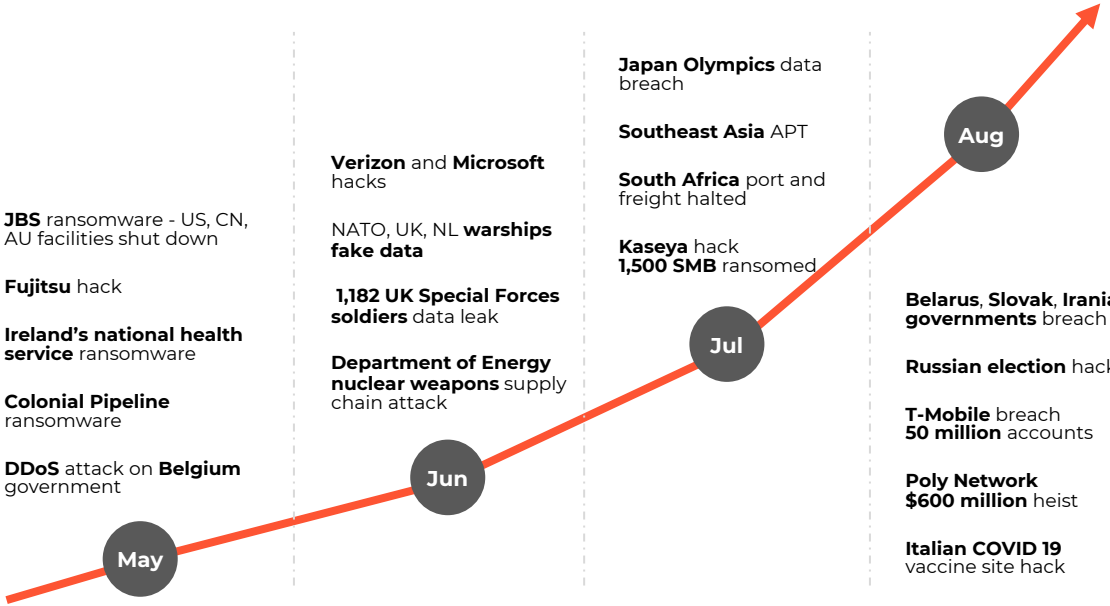
10+

Publicly attributed cyber attacks per month

100%

Increase in Nation State cyber incidents

Cybercrime worsens during economic downturn



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BOARD ROOM

RESPONSIBILITIES

DIRECTORS

Understand your **current cyber resilience / maturity baseline**. Measure yourself against respected standards. **Reasonableness** frames everything.

You are aware of the risk, you assess the risk, and you make an informed decision as a board about an action or no action.

Company directors should beware that **failure to adequately address cybersecurity risk** or comply with relevant disclosure and reporting requirements, may be a **breach of their directors' duties**.

DATA

Know your **data holdings** and confirm appropriate management of those.

STRESS TEST

1. **Incident response and business continuity plans**
2. **Cyber compliance**

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DEFINING ZERO TRUST

A strategic approach to cybersecurity that secures an organiSation by eliminating implicit trust and continuously validating every stage of a digital interaction.

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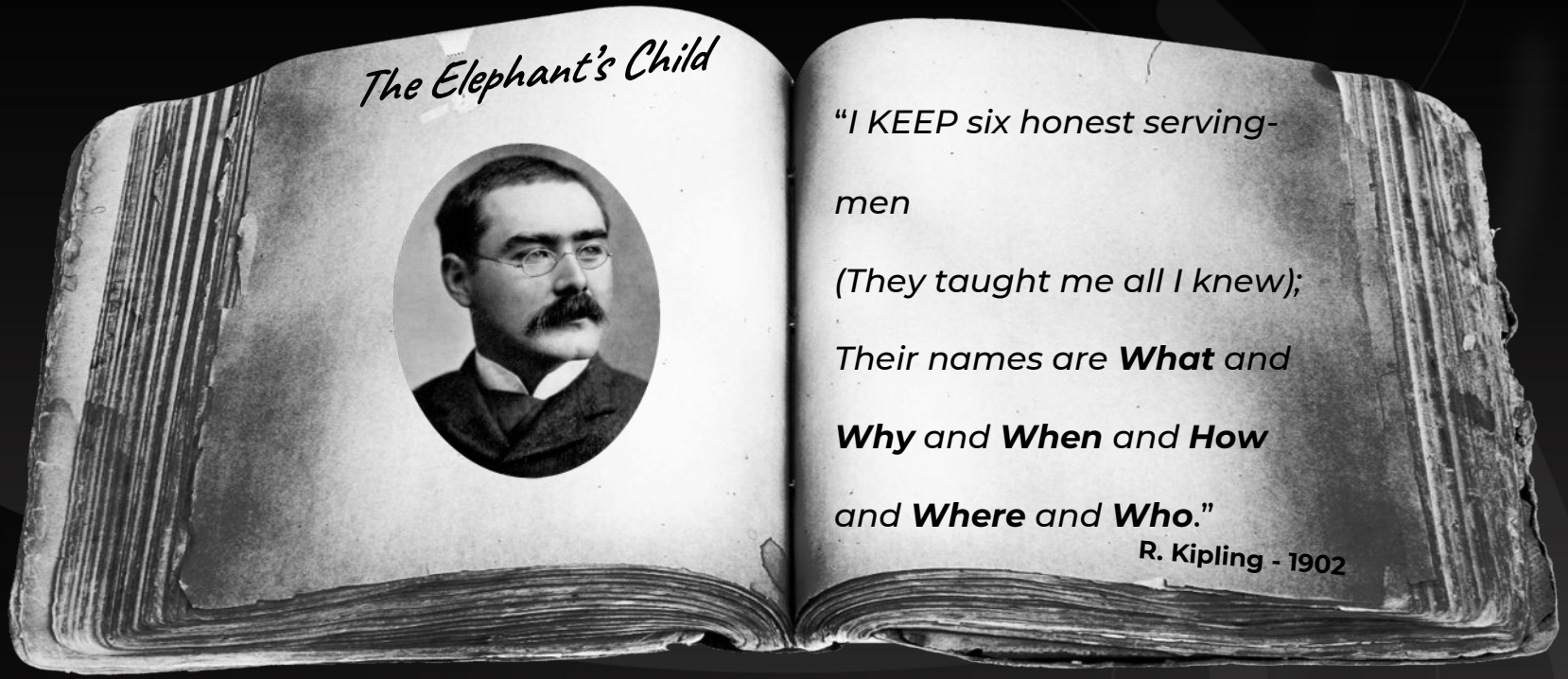
ZERO TRUST IN THE NETWORK

REMOVING IMPLICIT TRUST



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ZERO TRUST IN THE NETWORK

slideshare-uploading
application function

slideshare
application

roadmap.pdf
file name

prodmgmt
group

HTTP
protocol

confidential
data sensitivity

344 KB

mjacobsen
client user

SSL
protocol

R&D File Server
enterprise resource

172.16.1.10
source IP

TCP/443
destination port

64.81.2.23
destination IP

22-05 9:30AM
timestamp

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ZERO TRUST IN THE NETWORK

what

slideshare-uploading
application function

slideshare
application

how

roadmap.pdf
file name

who

prodmgmt
group

HTTP
protocol

why

confidential
data sensitivity

344 KB

where

mjacobsen
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R&D File Server
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when

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ZERO TRUST IN THE NETWORK

download
direction

web-browsing
application

CreditCards.txt
file name

IT-admins
group

HTTP
protocol

PCI
data sensitivity

344 KB

stomlinson
client user

SSL
protocol

Finance Server
enterprise Resource

172.16.1.10
source IP

TCP/443
destination port

64.81.2.23
destination IP

22-05 9:30AM
timestamp

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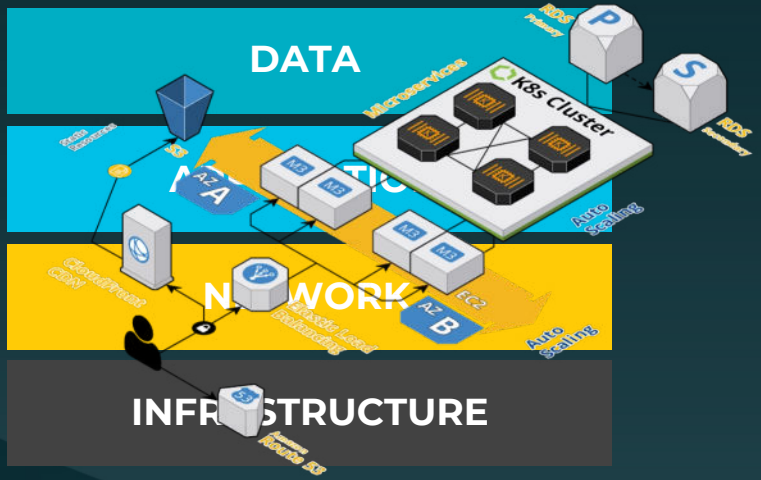
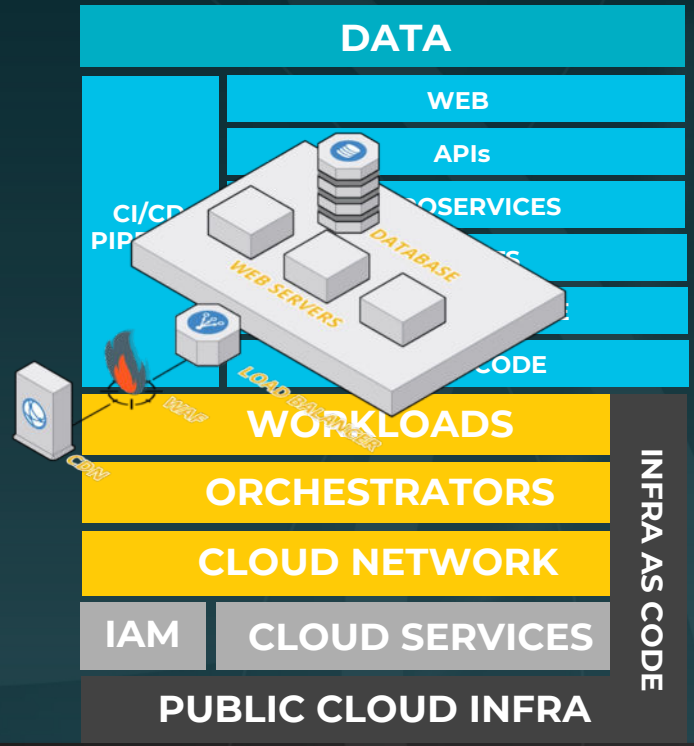
ZERO TRUST IN THE CLOUD

SECURING MODERN APPLICATIONS

How apps are built today





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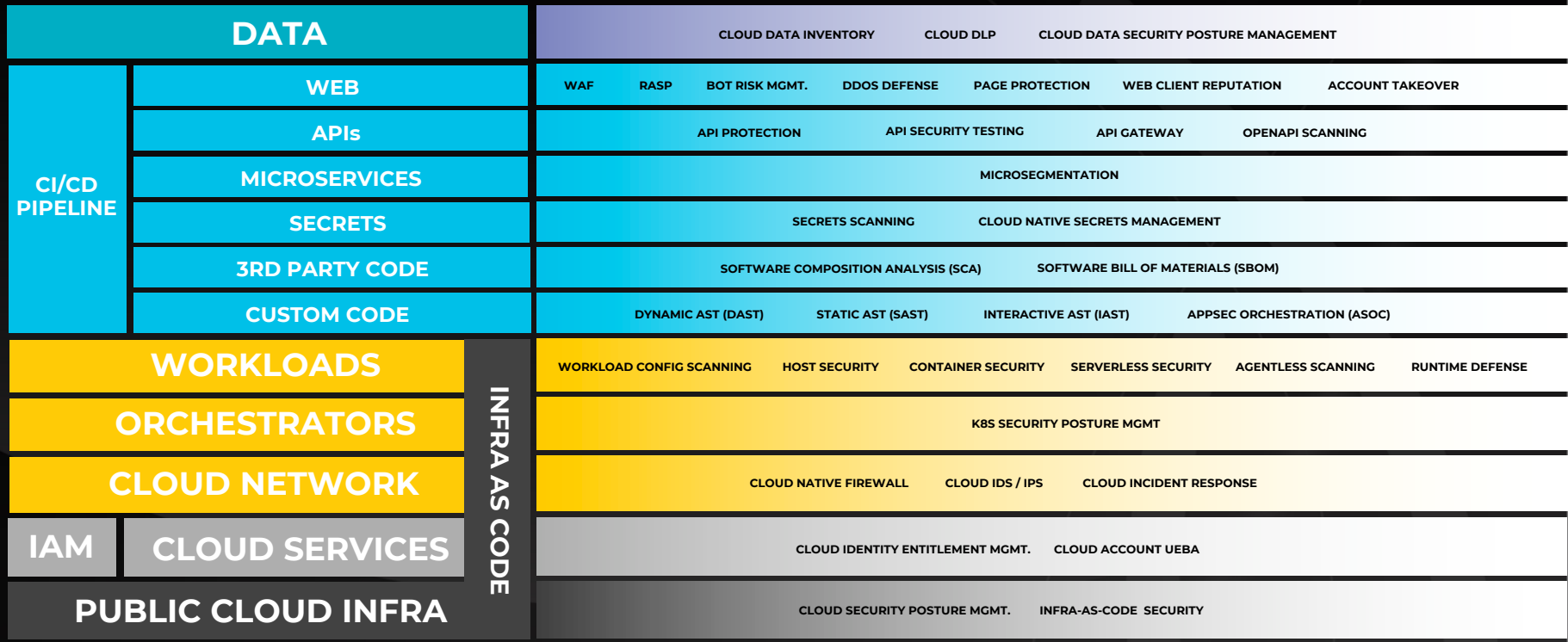
HOW MANY POINT SOLUTIONS TO SECURE ONE APP?



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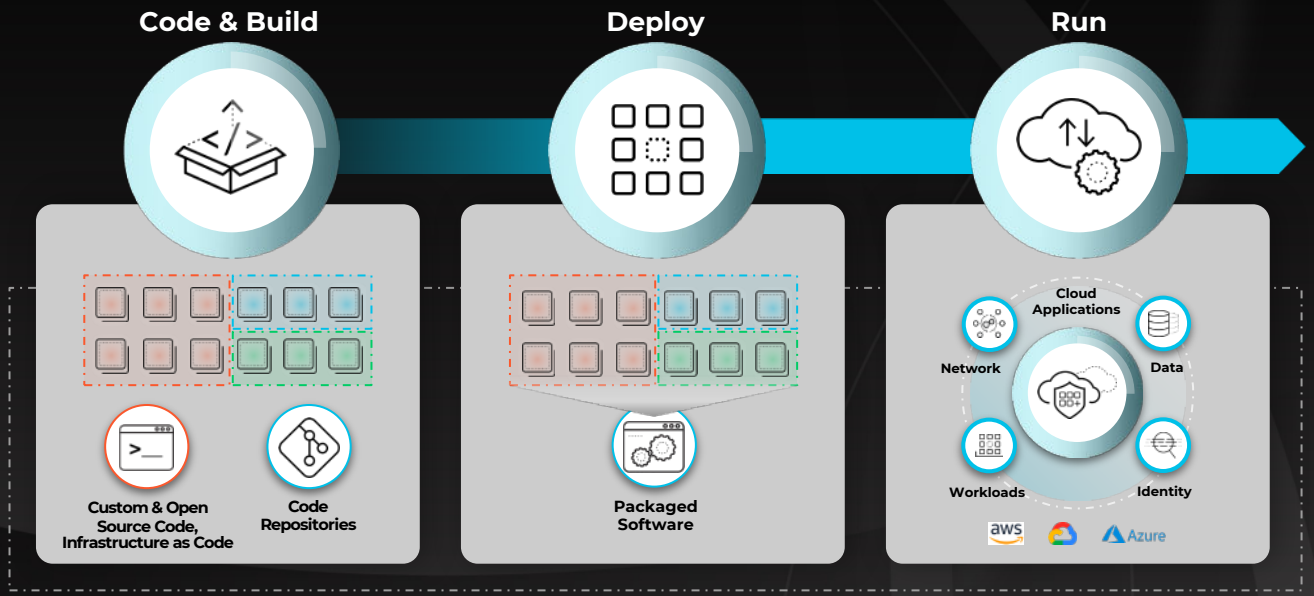
MAKING SENSE OF APPLICATIONS DEVELOPMENT

- Designed for rapid iteration and continuous application rollouts
- Highly automated builds to reduce time to market
- Improves app team / developer productivity



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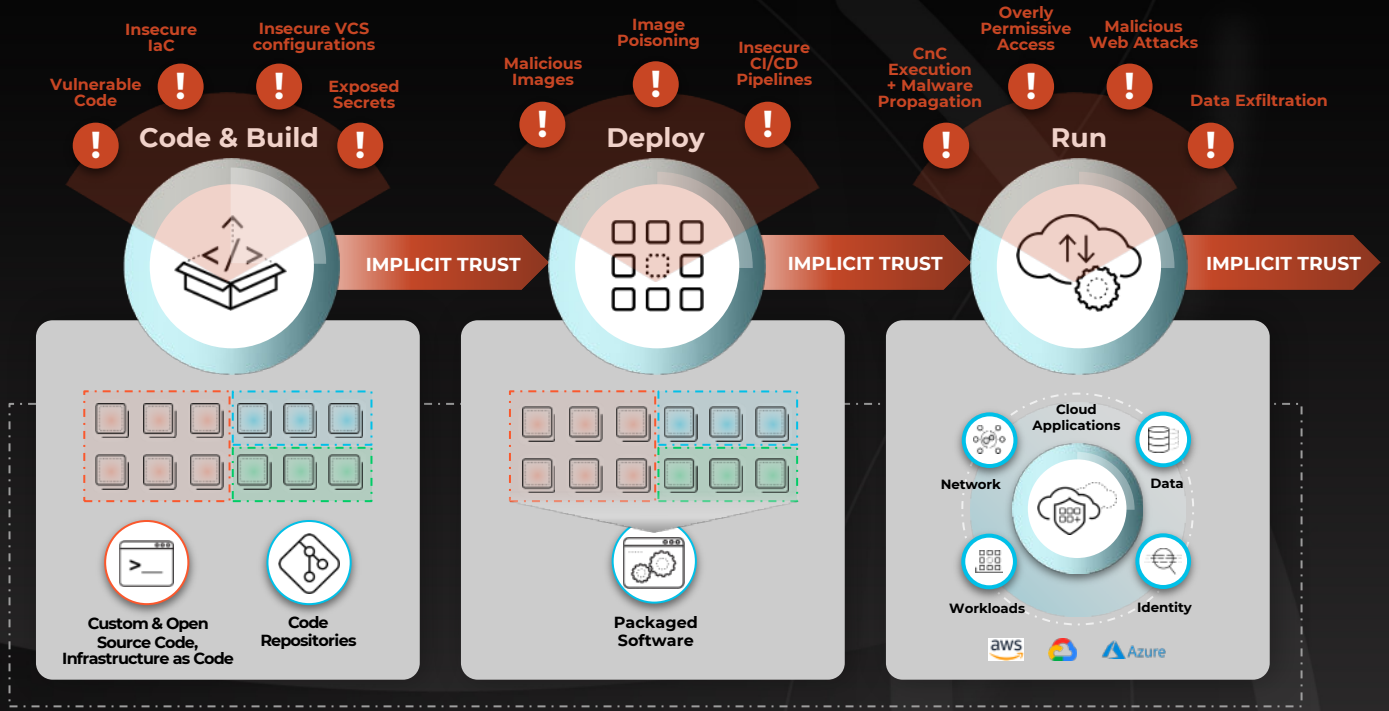
ZERO TRUST WITHIN APPLICATIONS DEVELOPMENT

The cloud application lifecycle is full of implicitly trusted components that if left unverified lead to major vulnerabilities down the line



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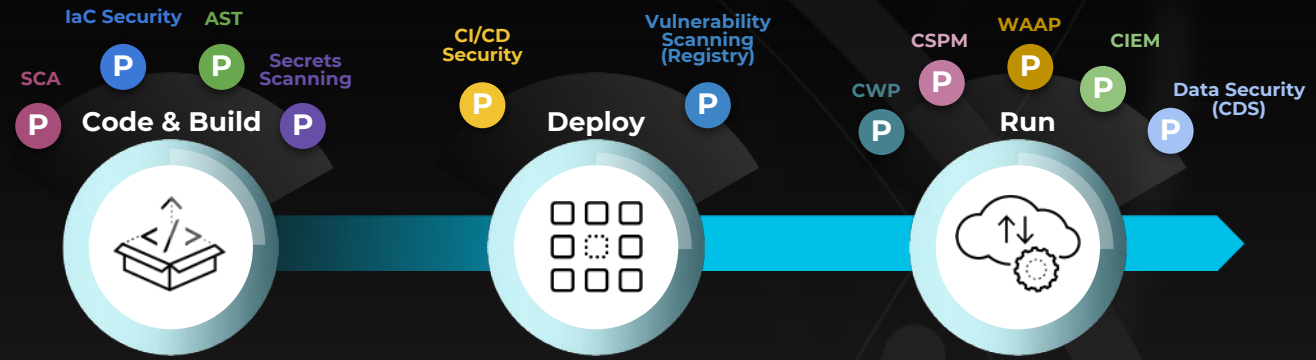
HOW MANY POINT PRODUCTS DOES IT TAKE TO SECURE AN APP?

It's typical for security teams to acquire, learn and manage over ten point product security tools from different vendors.



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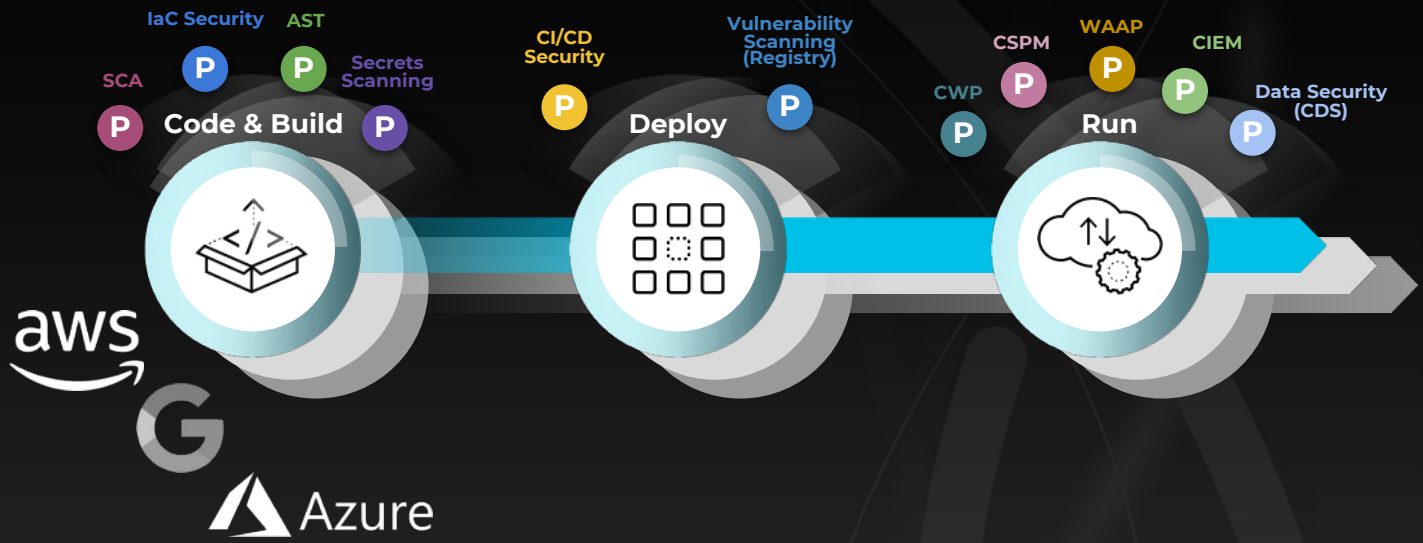
MULTIPLE POINT PRODUCTS FOR MULTIPLE CLOUDS

Using security services across the different cloud providers further complicates security and compliance through inconsistent capabilities, policies, and reporting.



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ZERO TRUST IN THE SOC

THE ROLE OF THE SOC IN A ZERO TRUST FRAMEWORK

- Collects telemetry from all security tools
- Automates the fine-tuning or correction into the tools
- Re-assesses the decision making with wider context

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paloalto NETWORKS | CORTEX

Best of Breed ~~and~~ OR Platform Approach

Our best of breed platforms enable cyber security transformation

Network Security

STRATA | PRISMA SASE

Best-in-class security delivered across hardware, software and SASE

Cloud Security

PRISMA CLOUD

Comprehensive platform to secure everything that runs in the cloud

Security Operations

CORTEX

A new approach to SOC with fully integrated data, analytics and automation

Threat Intelligence and Advisory Services

World-renowned threat intelligence, cyber risk management and advisory services

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THANKYOU

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