



Check Point®
SOFTWARE TECHNOLOGIES LTD

CHECK POINT

新世代資安縱深防禦統合架構

溫德鈞 | 資安顧問

Agenda

- Check Point 捷邦安全軟體公司
- Check Point Infinity Next 全面性資安解決方案
- Check Point Maestro 資料中心超融合資安架構
- Check Point Nano Security 第六代資安解決方案



來自IT新創強國以色列的資安巨擘

CHECK POINT SOFTWARE TECHNOLOGIES

全球資安傳奇- Check Point軟體科技

以色列最具價值的IT公司
市值高達 \$19B

以色列創新科技的典範廠商之一
卓越的安全技術聞名全球

世界最佳安全軟體公司之一
全球科技新鮮人首選公司

贏得2019年以色列科技大賞首獎
創辦人兼執行長 Gil Shwed



Check Point: 最專注於Cyber Security的創新研發公司



世界安全領導廠牌- 擁有100,000以上客戶數, 88+全球分公司, 6,200+ 合作夥伴



20多年來聚焦於發展資安技術，最具遠見的創新思維



安全至上的尖端科技，擁有競爭廠商一倍以上的高端研發能量



1996即掛牌於Nasdaq科技百強- 代號: CHKP(股價約 USD 90+)



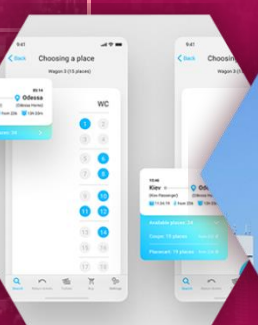
超過5,200+員工，匯聚全球頂尖IT人才

財星500大企業指定安全品牌

現今威脅趨勢與安全防護重點

安全威脅無所不在

資訊犯罪已成為全球關注問題!



2020 五大資安趨勢預估現象

資訊犯罪更為組織化(國家級)



雲端安全服務風險不斷變化



勒索軟體方興未艾精緻化發展



行動裝置惡意程式快速增加



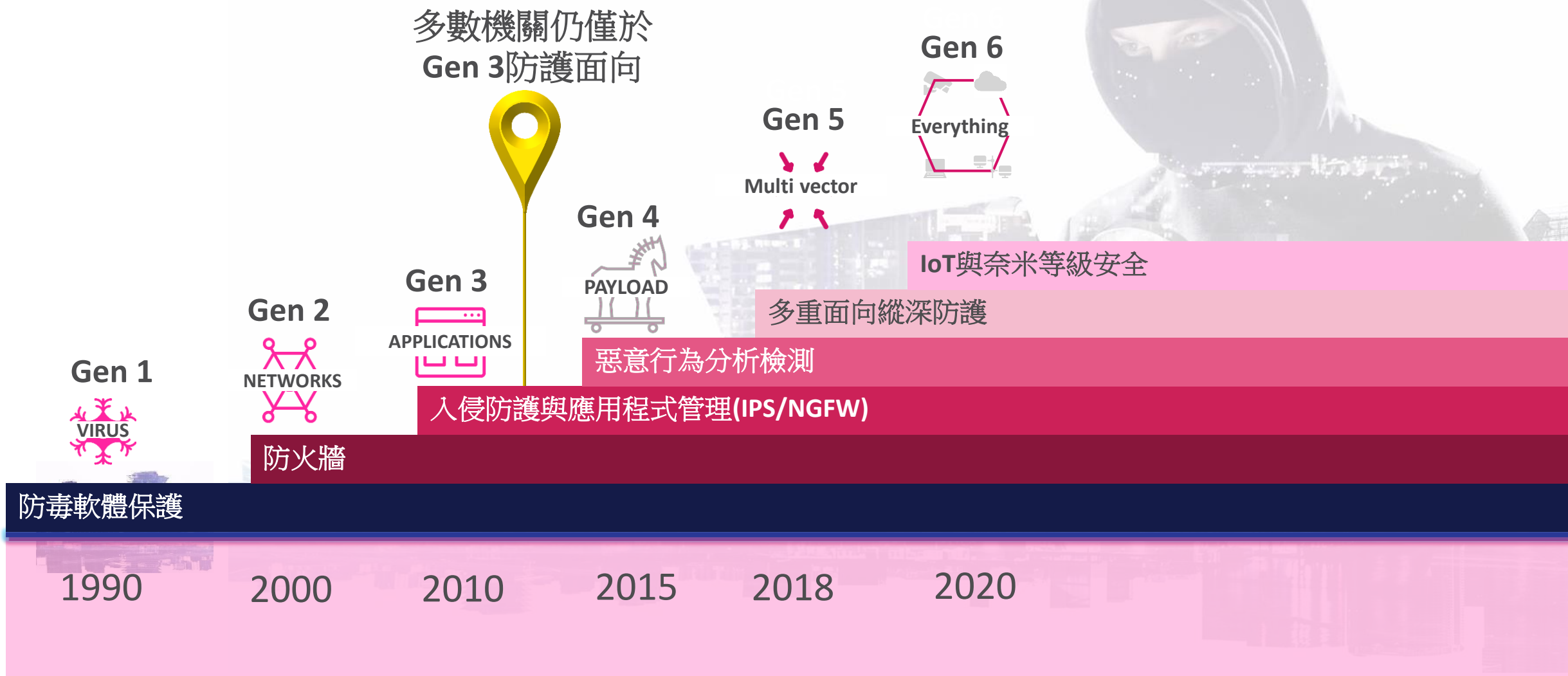
全新安全突破點 - 5G與IoT應用



資安方案與威脅現況的程度差異



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未來可預見更加複雜的IT安全管理問題

	Platforms	Mobile OSs	Endpoints	Serverless Environments	Containers	Web Applications	Mobile Apps	PaaS services	SaaS Apps	Cloud	Data Centers	Branches	IoT
Firewall	?		?		?	?				?	?	?	?
IPS	?	?	?	?	?					?	?	?	?
WAAP				?						?	?		
Anti Phishing		?	?							?	?	?	
DDOS	?									?	?		
Dynamic Code Analysis		?	?	?									
SSL Inspection		?	?	?						?	?	?	?
DNS	?	?	?	?	?				?	?			?
DLP	?	?	?			?			?	?	?	?	

所有IT人員與
資安管理者的
惡夢!



跨世代全面性資安解決方案

INFINITY NEXT

全面性資安解決方案



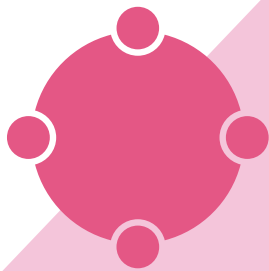
多雲部署

Adaptive protection for
all workloads & services



IOT 與移動裝置部署

Discover and Protect
any connected device

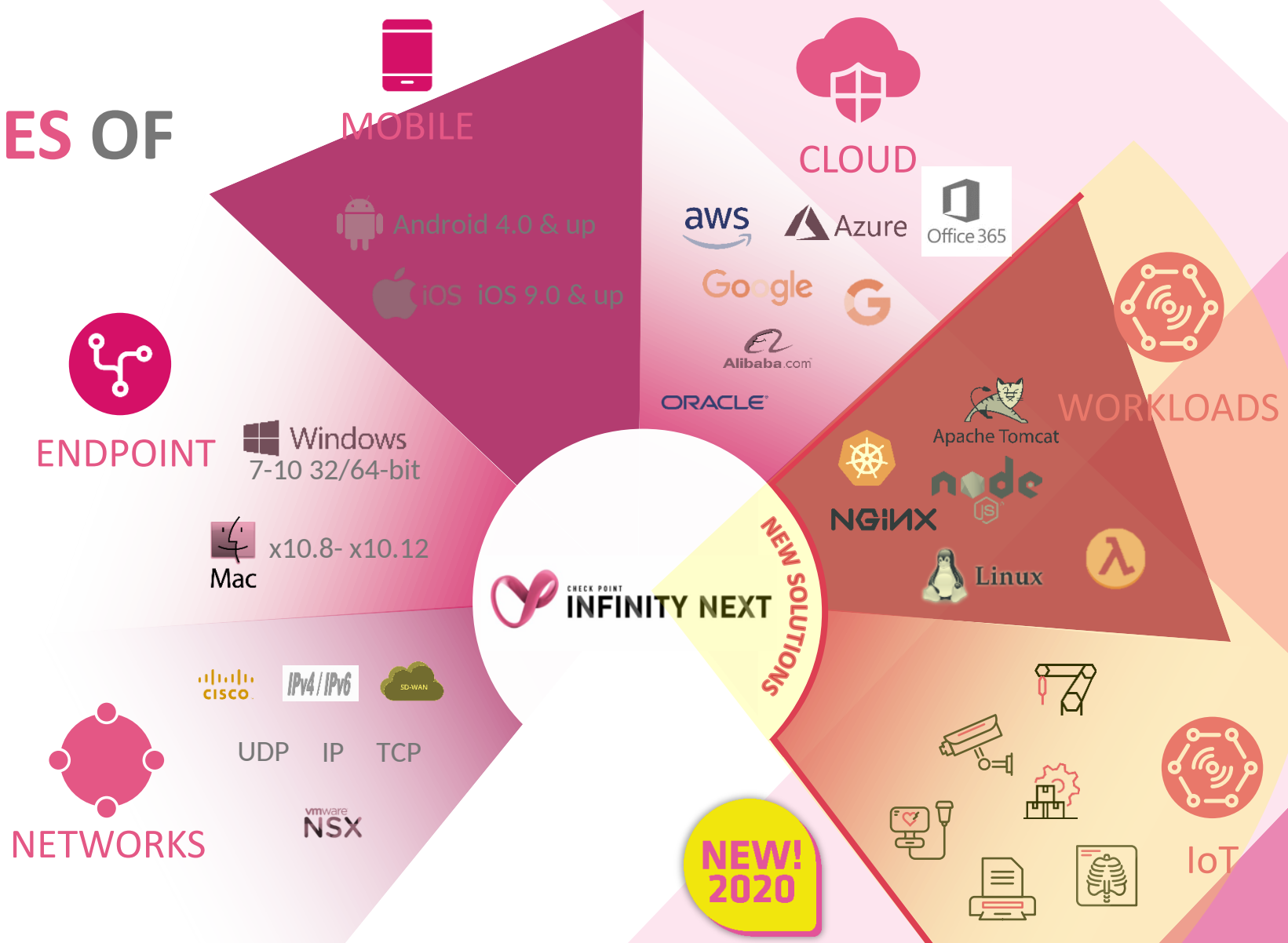


網路端裝置部署

Any Network, Any Speed

完整安全防護

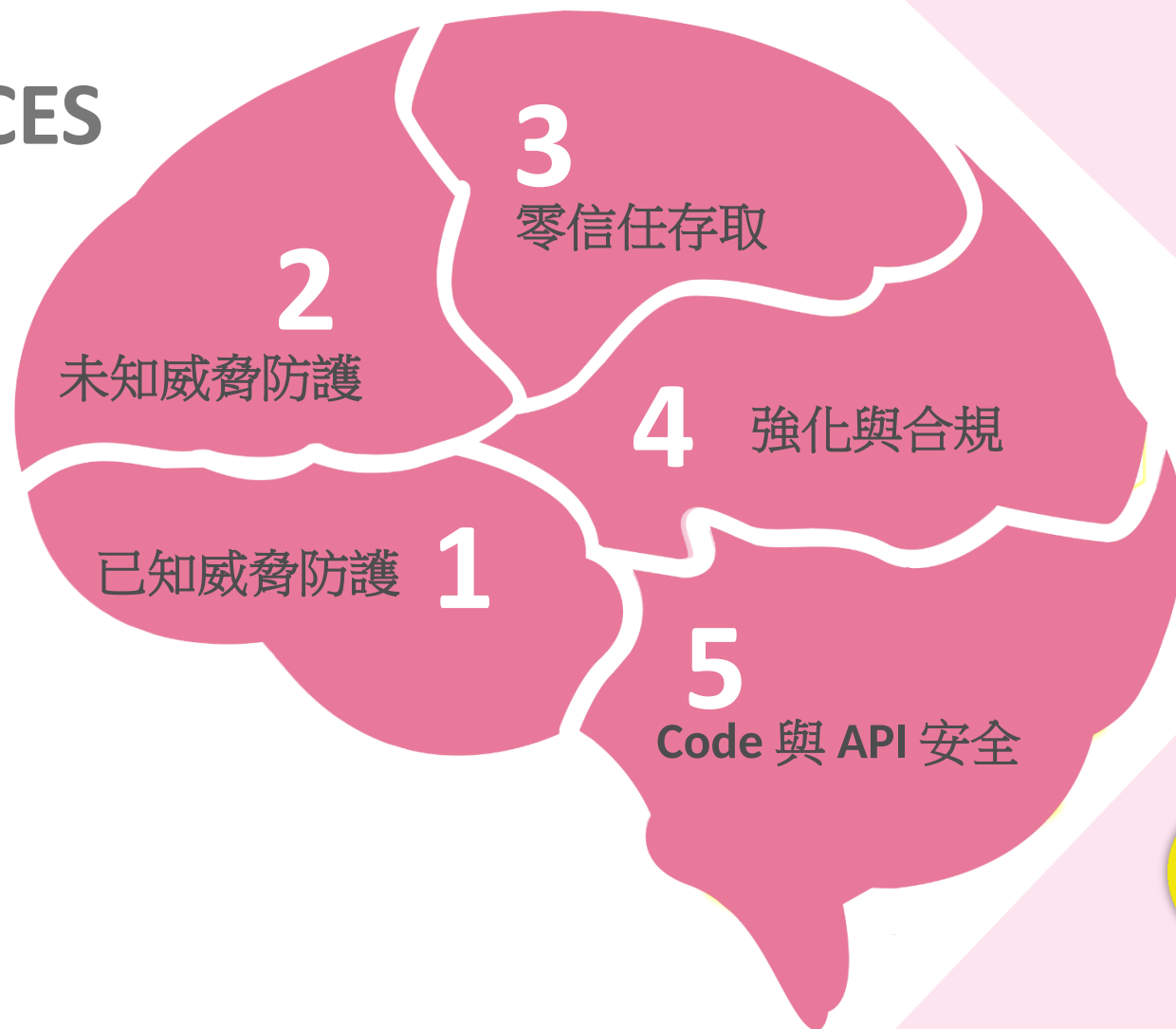
WE SECURE 50+ TYPES OF ASSETS



完整安全防護

WITH 60+ SECURITY SERVICES

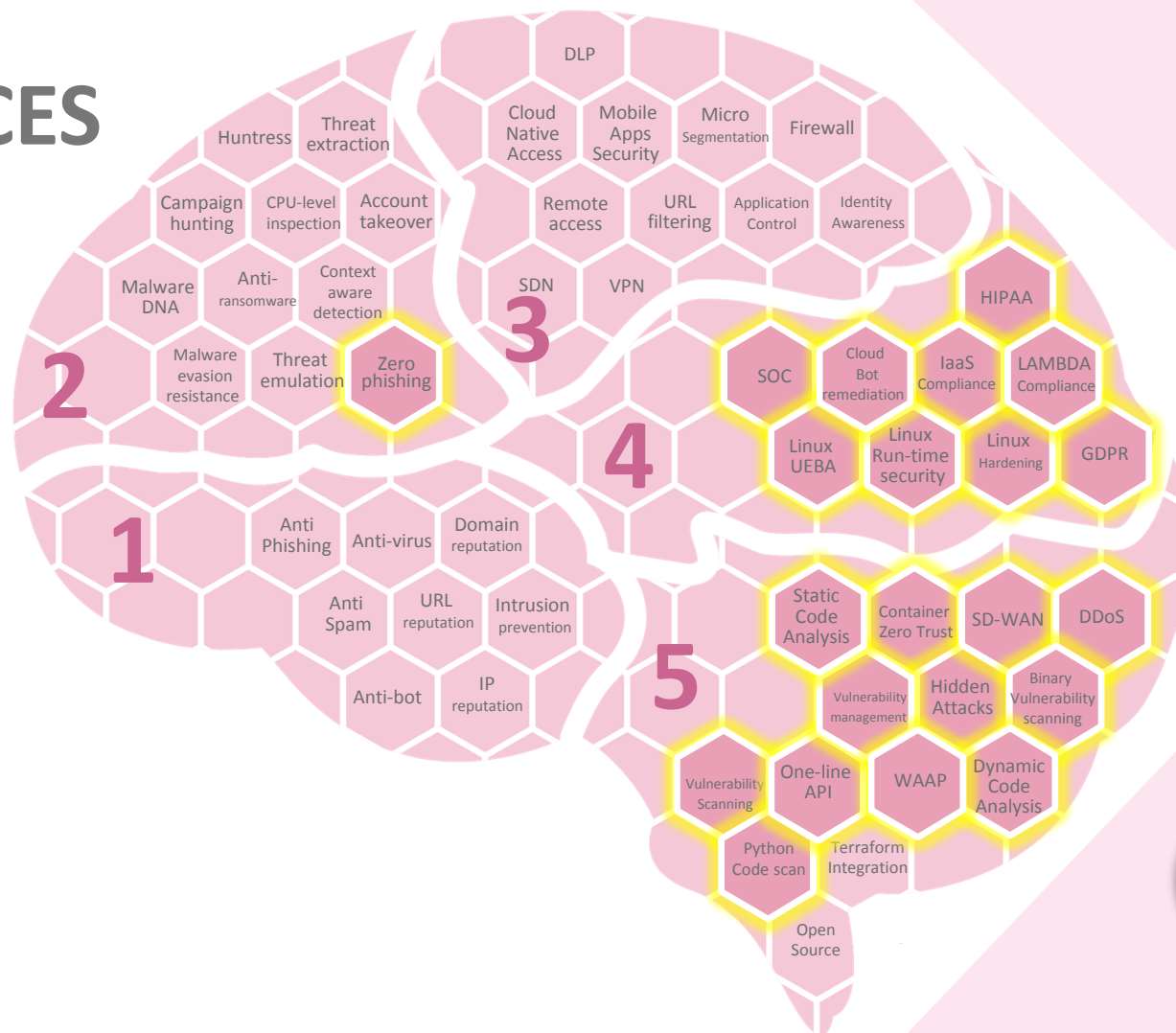
- 1 已知威脅防護
- 2 未知威脅防護
- 3 零信任存取
- 4 強化與合規
- 5 Code 與 API 安全



NEW!
2020

完整安全防護 WITH 60+ SECURITY SERVICES

- 1 已知威脅防護
- 2 未知威脅防護
- 3 零信任存取
- 4 強化與合規
- 5 Code 與 API 安全

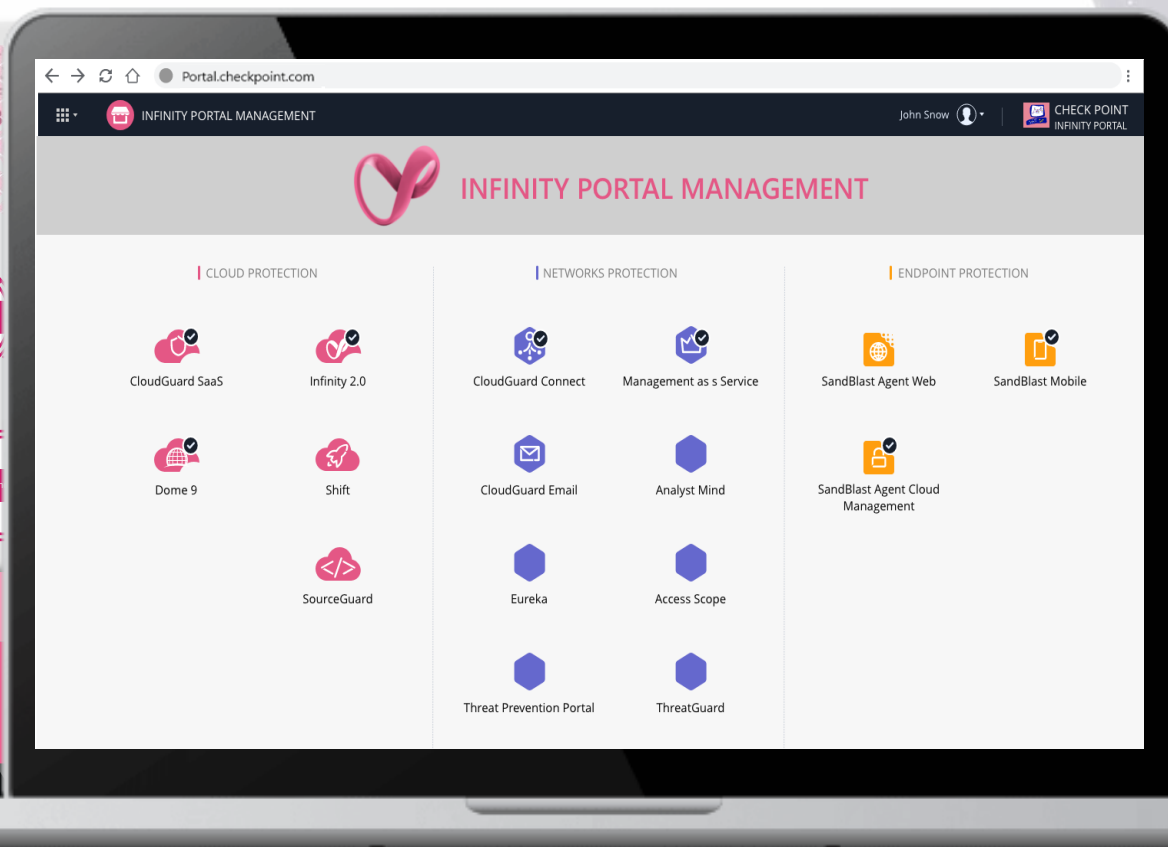




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整合安全管理平台



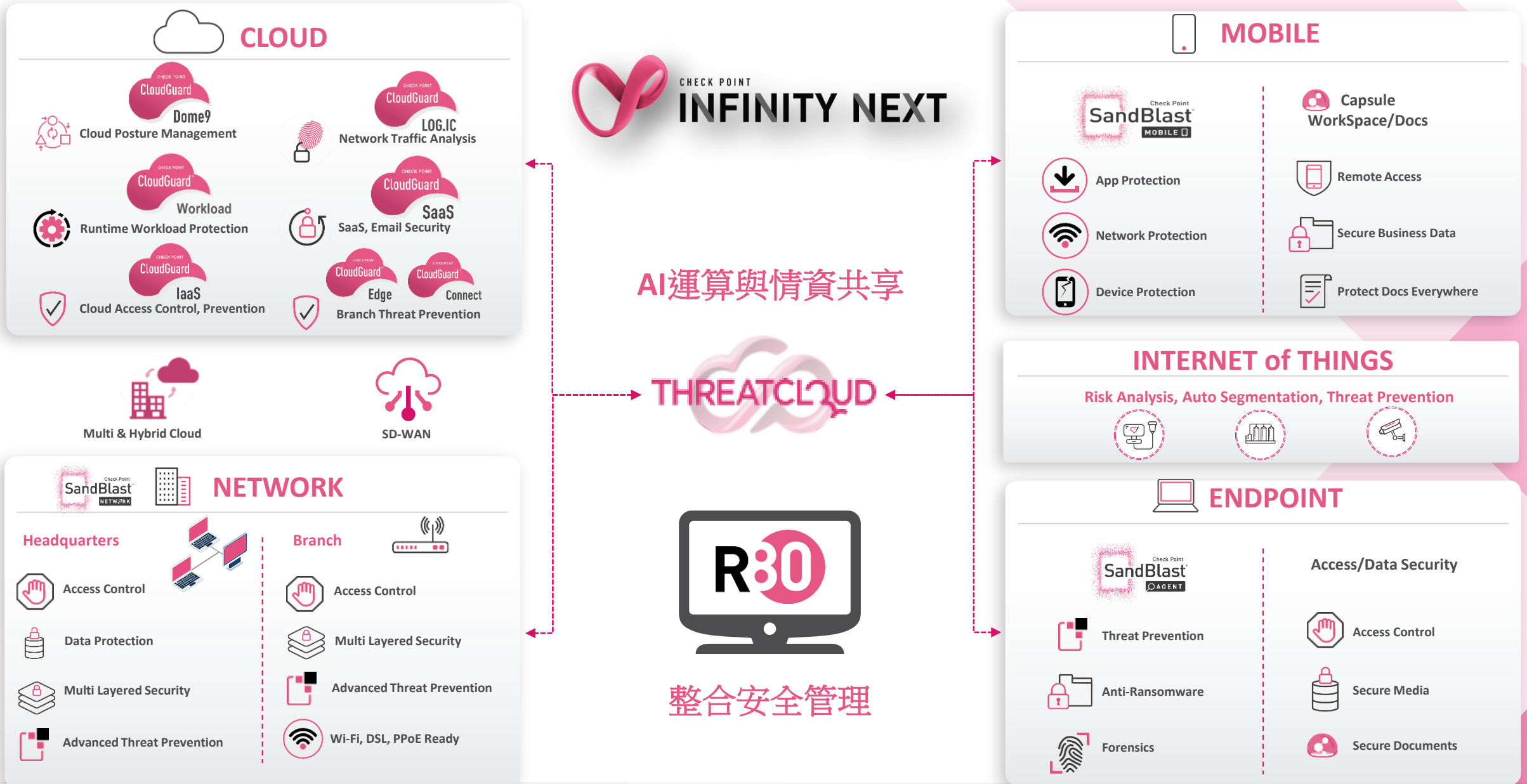
ST. MARTIN
HOSPITAL



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業界最完整的安全架構與先進防護科技



全球最大威脅情資資料庫ThreatCloud

由被動情資蒐集立即轉變為主動安全保護

轉換來自全球10萬個安全閘道
以及端點防護威脅情報數據



- ☁ 每天模擬超過400萬個可疑檔案
- ☁ 每天阻擋約7,000個零時差攻擊
- ☁ 每天處理超過860億個交易資訊

Powered by AI engines



64+ 先進AI驅動安全檢測引擎

人工智能強化層次縱深防禦技術



THREATCLUD



已知威脅防護引擎

- Intrusion prevention
- Anti-bot
- Anti-virus
- URL filtering
- URL reputation
- IP reputation
- Domain reputation
- Anti Phishing
- Identity Awareness
- DDoS

未知威脅防護引擎

- CPU-level inspection
- Malware DNA
- Threat emulation
- Threat extraction (CDR)
- Campaign hunting (AI)
- Context aware detection (AI)
- Huntress (AI)
- Zero-phishing
- Anti-ransomware
- Account takeover
- Malware evasion resistance

Quantum Security Gateways™

完美符合各種網路安全需求

2020量子系列

2016/17系列

外點或分公司

1500 3600, 3800

Up to 1.5 Gbps

+180%

3100 - 3200



0.58 Gbps

中小型企業

6200, 6400

Up to 2.5 Gbps

+60%

5100 - 5400



1.46 Gbps

中大型企業

6600, 6700

Up to 9.5 Gbps

+55%

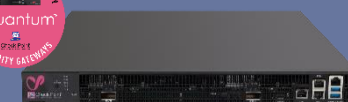
5600 - 5900



6.1 Gbps

大型企業

16600 Hyperscale



7000, 16200

Up to 17.6 Gbps

+70%

15000



10 Gbps

資料中心

26000, 28000



Up to 30 Gbps

+50%

23000



20 Gbps

電信等級

Maestro 140 | 170



Up to 1,500 Gbps

+680%

64000



Up to 190 Gbps

THREAT PREVENTION THROUGHPUT



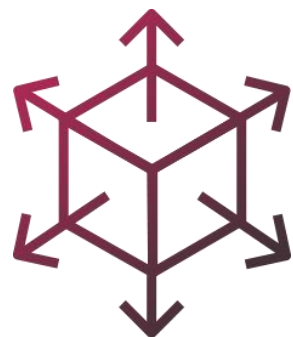
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MAESTRO

新世代超融合資安架構



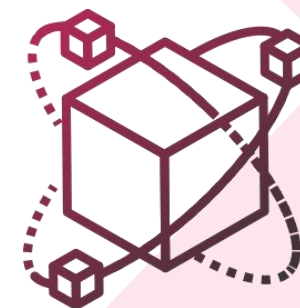
延展性資安

On demand expansion available
to gateways of all sizes



維運簡單化

Opening up new simple ways to architect
and manage cyber security



雲端彈性

Delivering the highest standard of
resiliency with Telco-Grade technology

Check Point Maestro 新世代資安延展特性



MAESTRO 新世代資安 Clustering 特性



HyperSync

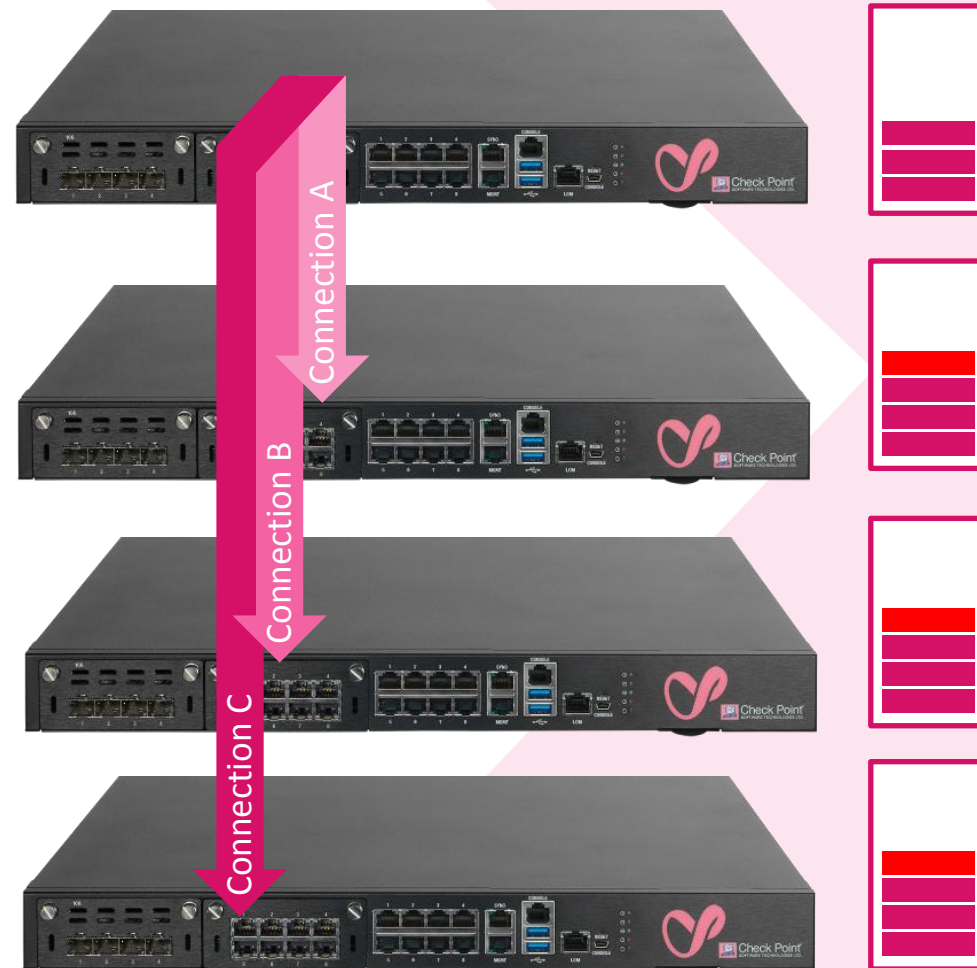
雲端等級叢級化
電信級技術

專利

完整備援

N+1 佈建成本效益

資源不浪費



MAESTRO 新世代資安效能特性

標準叢集化



Two Devices
1 Gbps

MAESTRO 叢集技術



Three Devices
3 Gbps

$$1 + 1 = 1$$



SIMPLE MATH



$$1 + 1 + 1 = 3$$

舉例：教育雲服務

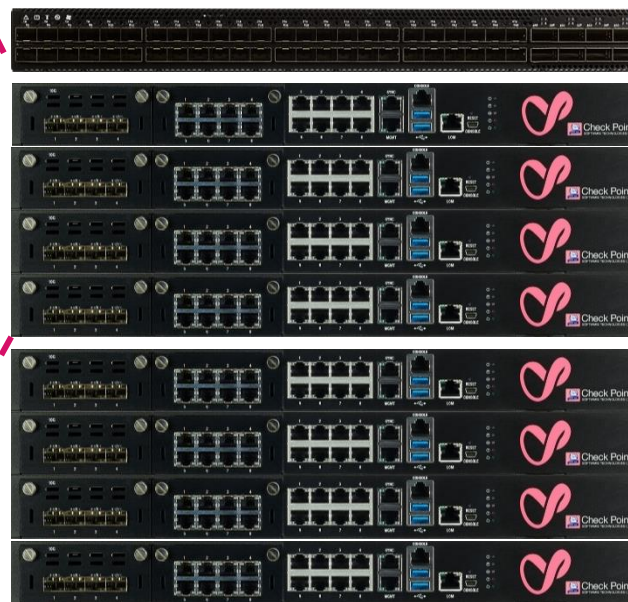
Security Group 1



教師e學院



英語文學習



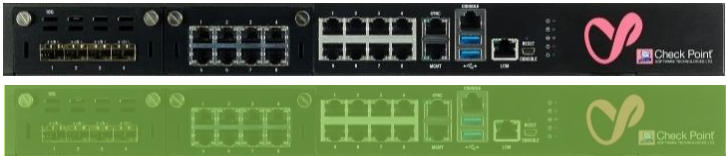
Security Group 2



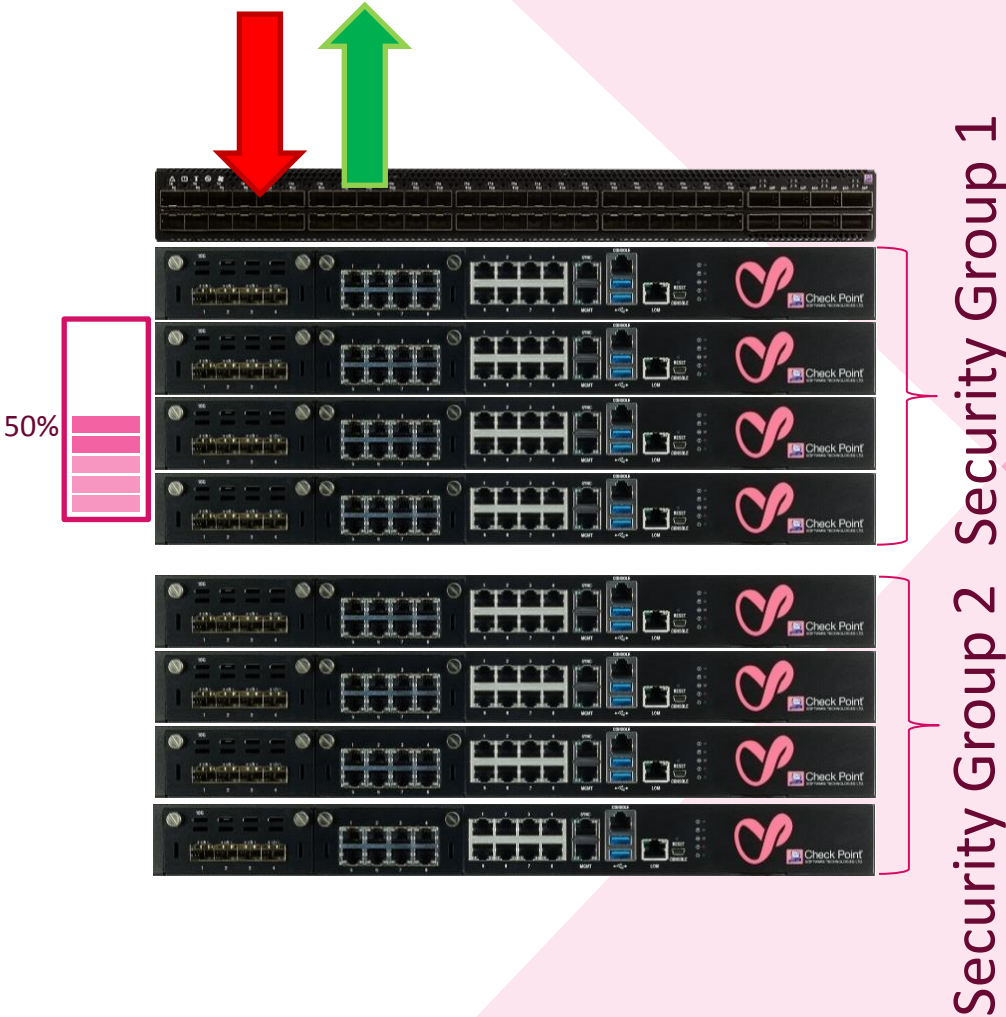
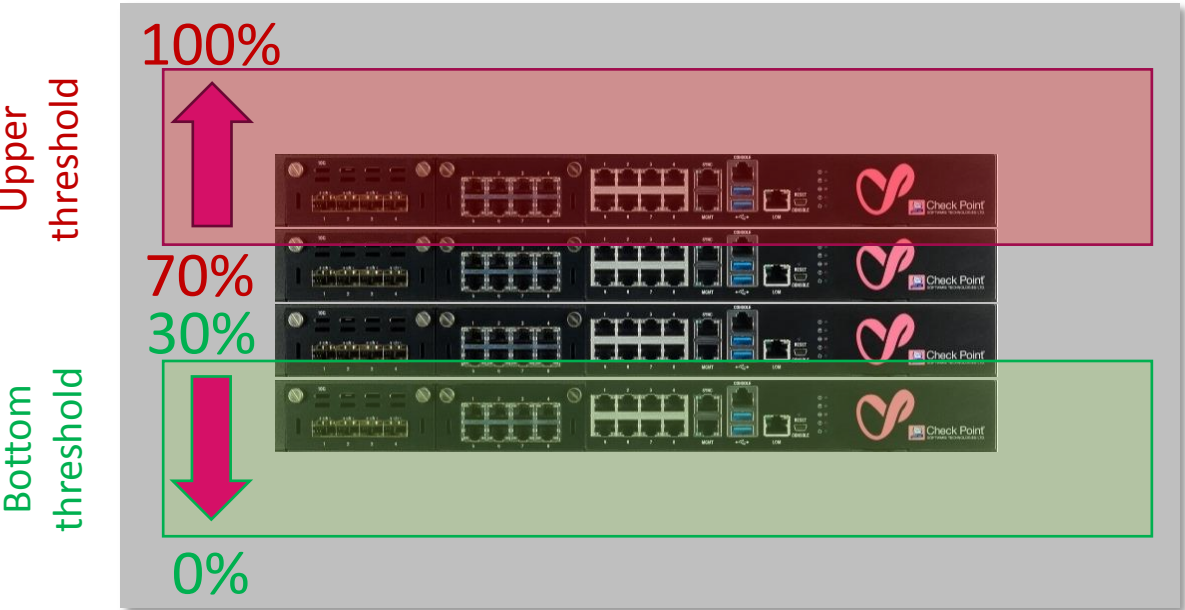
Maestro Hyperscale Security

舉例：教育雲服務透過 Profile 定義效能延展政策

Unassigned Gateways

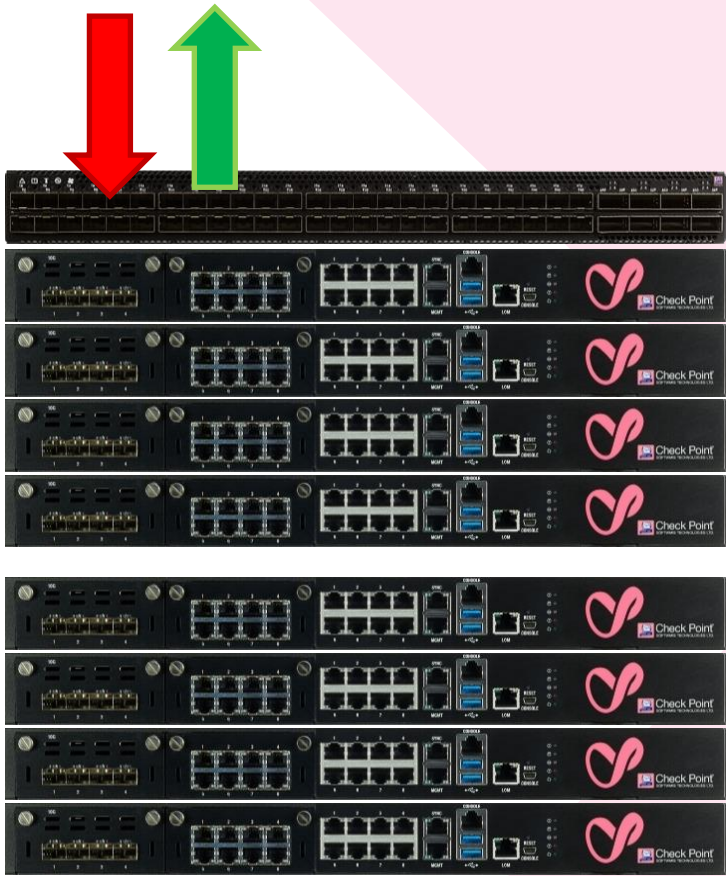
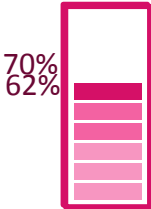


Scale up and Scale down policy



舉例：教育雲服務效能即時提升政策

Unassigned Gateways



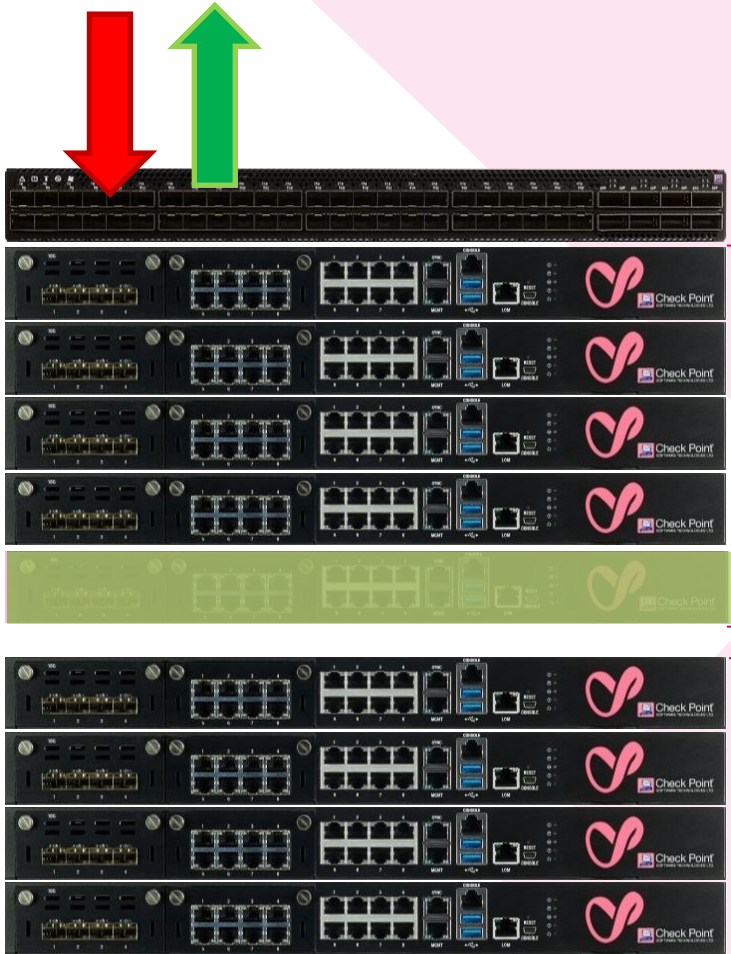
Security Group 1
Security Group 2

舉例：教育雲服務即時效能釋放政策

Unassigned Gateways



25%



Security Group 1

Security Group 2

Maestro

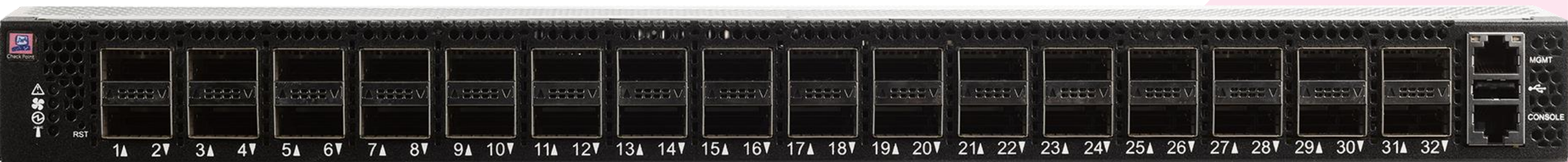
新世代超融合資安架構

Easily Scalable

Simple Operations

Cloud-Level Resiliency

Cost-Efficient





第六代NANO SECURITY

HOW ?

NANO AGENT SECURITY ALWAYS THE LATEST SECURITY



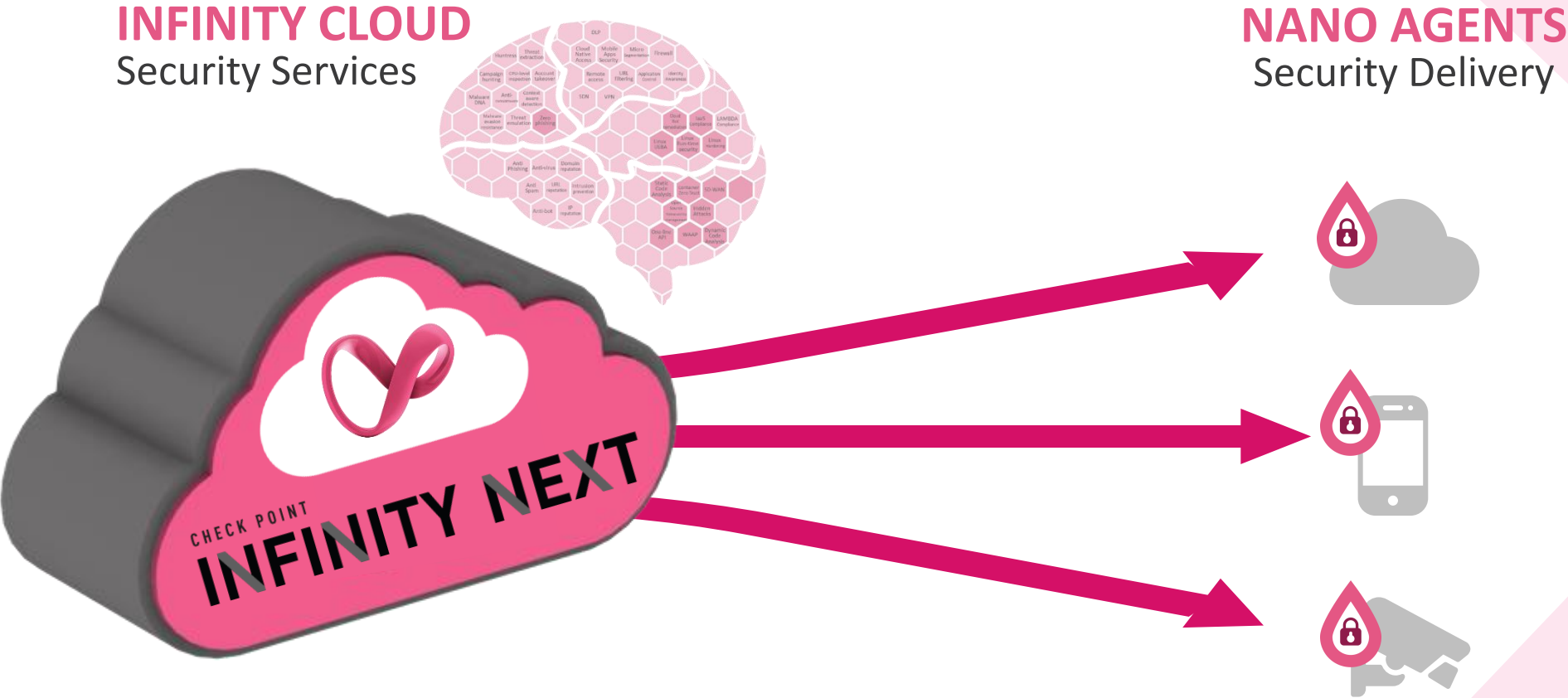
5 GB SOFTWARE



NO UPGRADES
EVERYWHERE

LIGHTWEIGHT < 50 MB

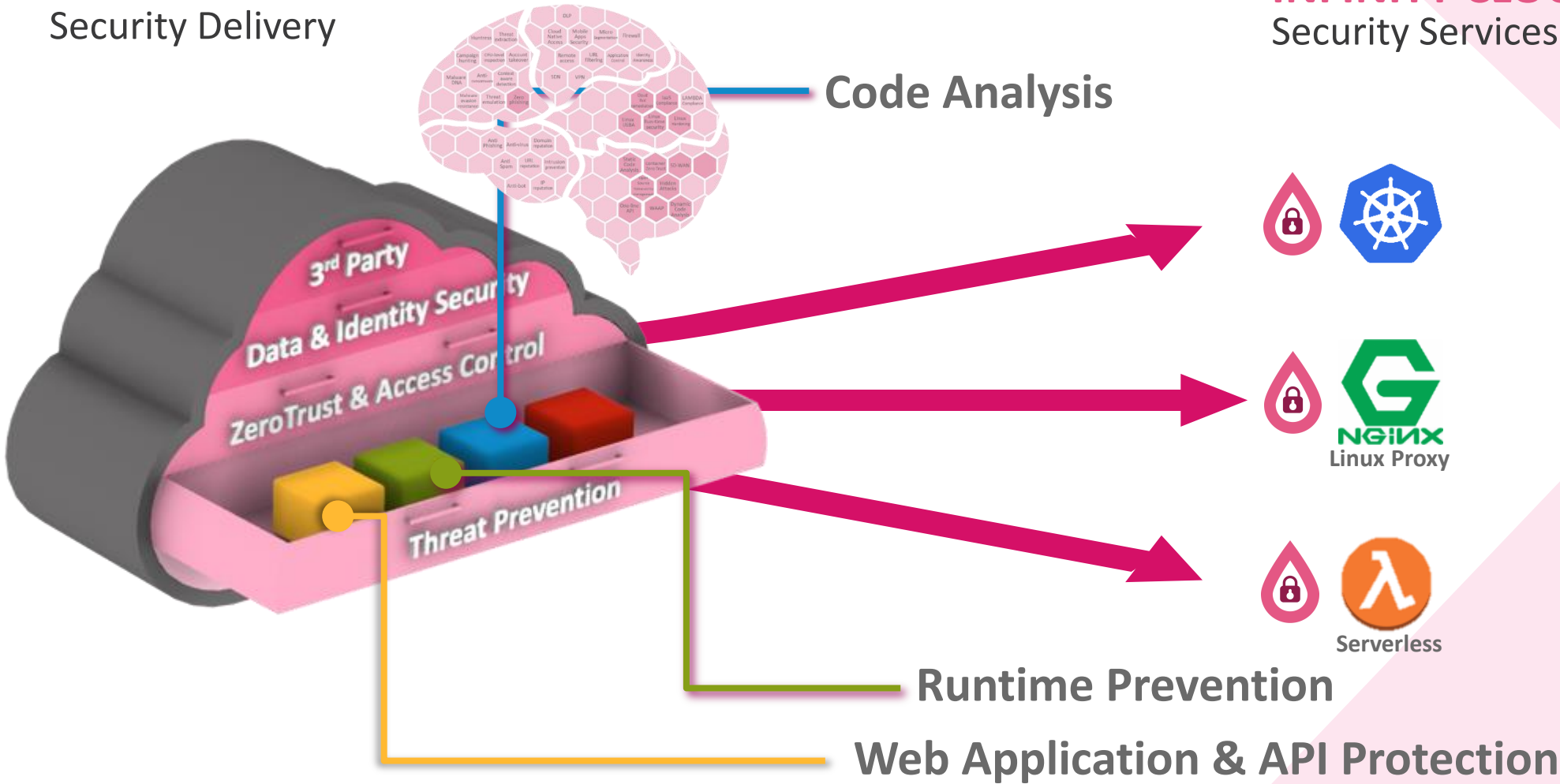
INFINITY NEXT - NANO AGENT 架構



Infinity NEXT - 雲端服務

NANO AGENT
Security Delivery

INFINITY CLOUD
Security Services

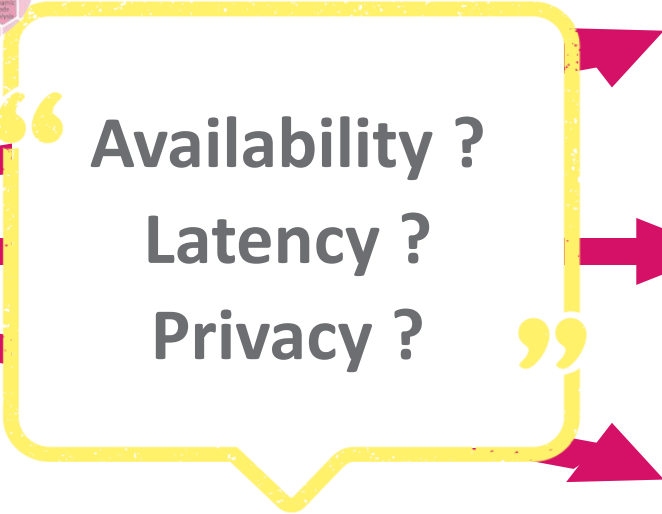


Infinity NEXT - 雲端服務

INFINITY CLOUD Security Services



NANO AGENTS Security Delivery

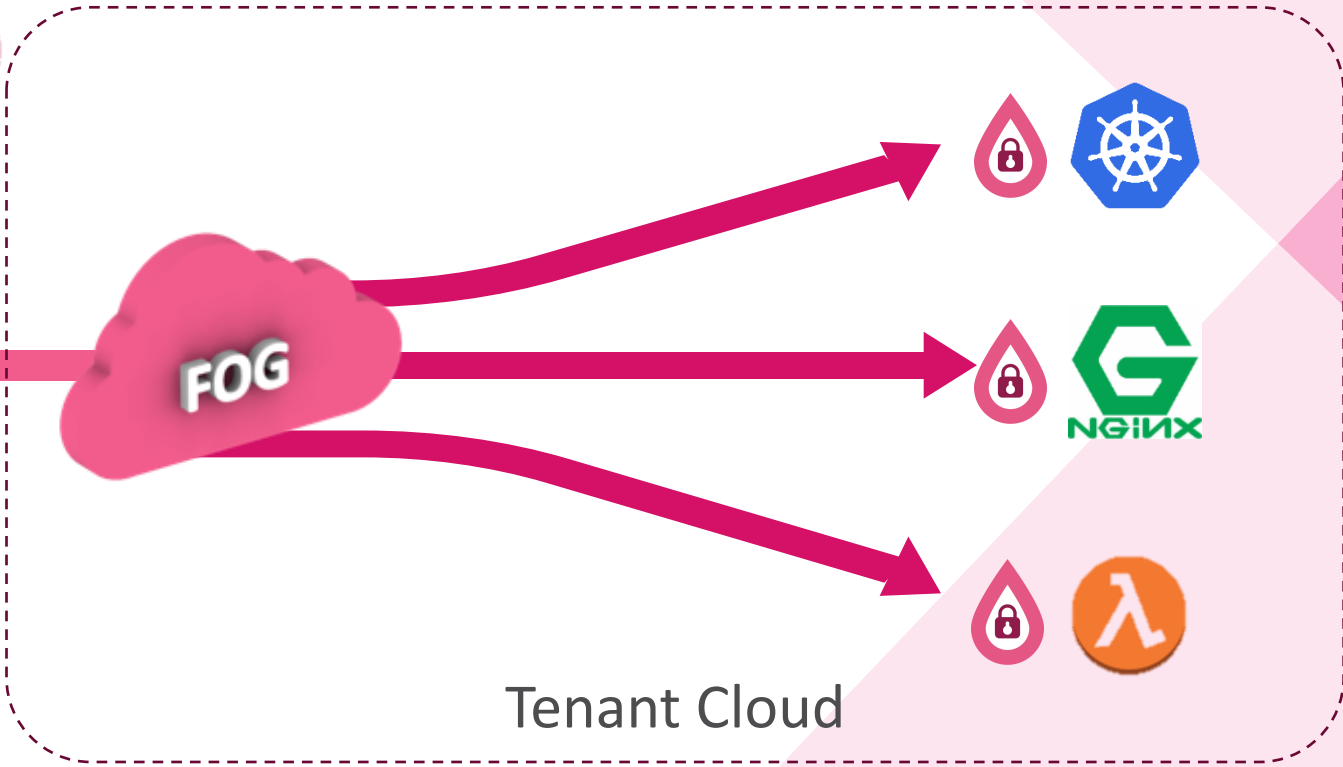


Infinity NEXT - 雲霧邊界

INFINITY CLOUD
Security Services



NANO AGENTS
Security Delivery



Infinity NEXT - 敏捷性與完整支援

INFINITY CLOUD
Security Services

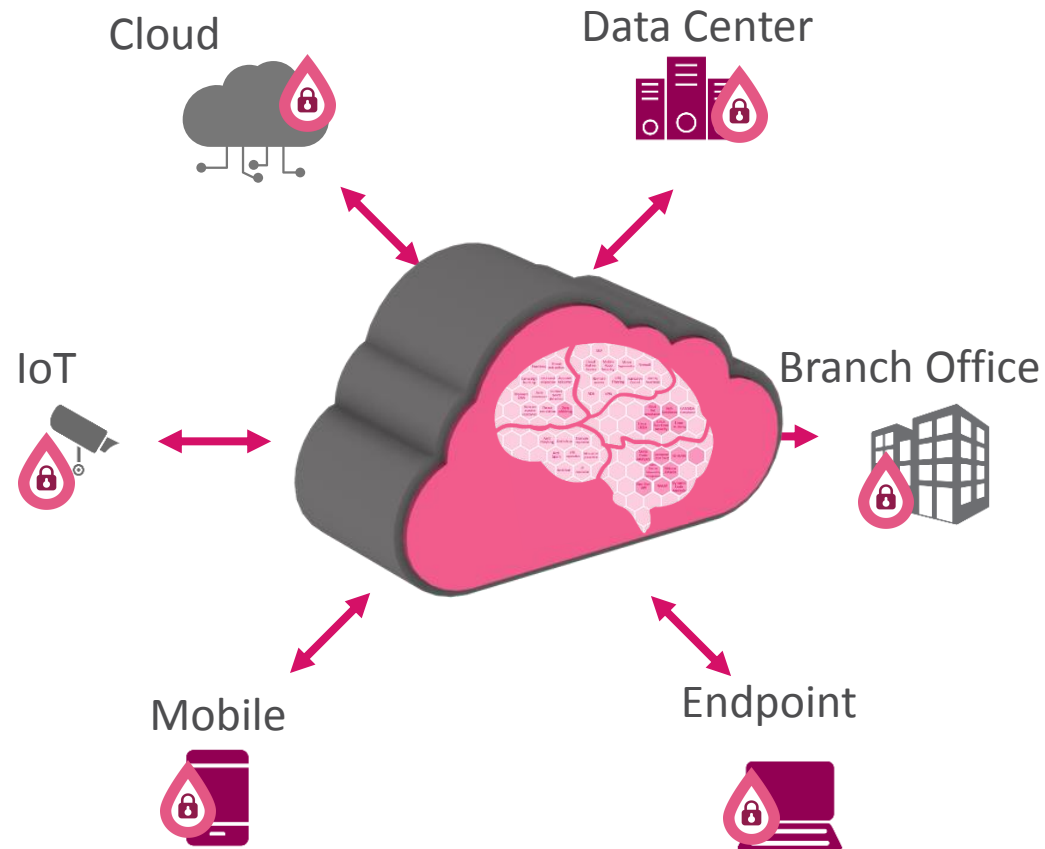
NANO AGENTS
Security Delivery



TO SUMMARIZE...

A man and a woman are standing in front of a large digital display. The man is on the left, wearing a dark jacket over a black shirt. The woman is on the right, wearing a light-colored top. The display shows a large fingerprint scan in the center, with binary code (0s and 1s) and some text visible in the background. The overall scene is overlaid with a red, textured pattern.

INFINITY NEXT – 網路資安的未來



Best Security Prevention



Best Service SLA



Easy to deploy. Easy to use

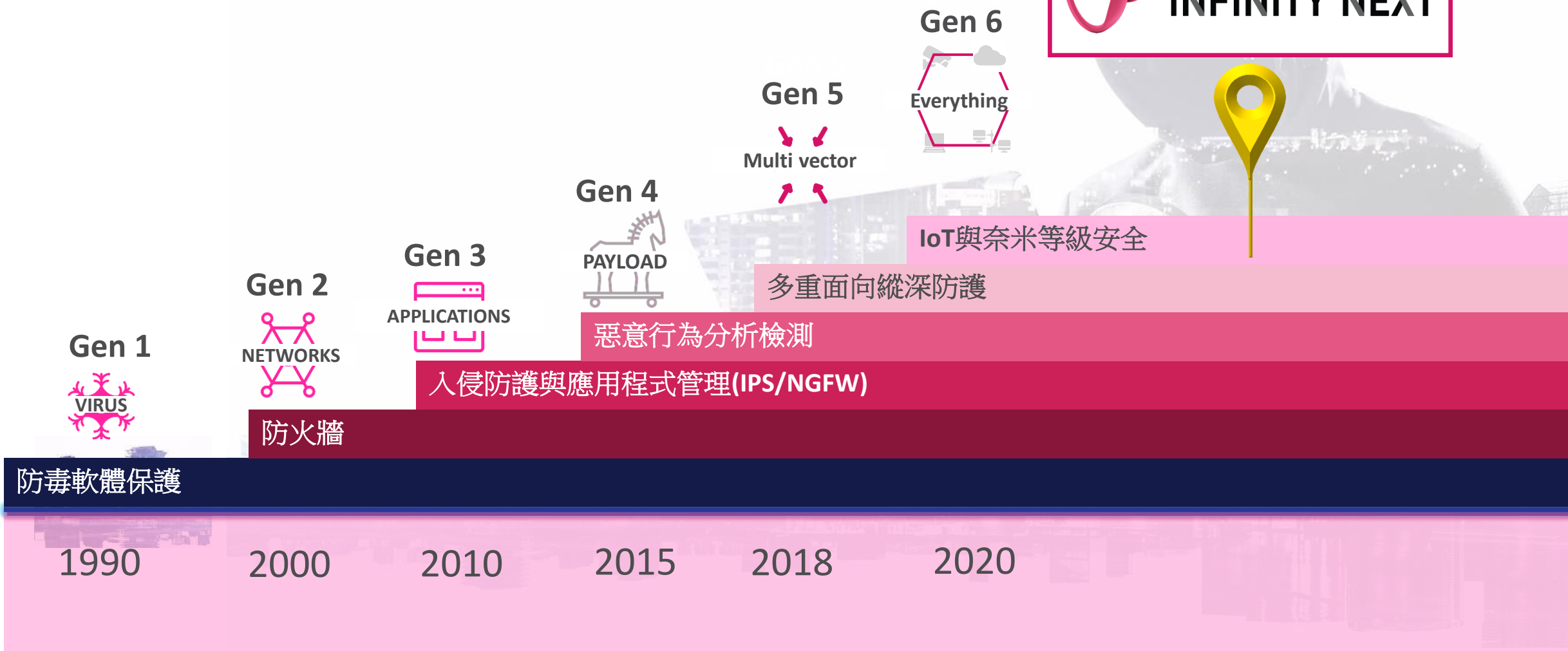


SECURE YOUR EVERYTHING

Check Point Gen 6 全面資安防護方案



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新世代資安縱深防禦統合架構