

Check Point
SOFTWARE TECHNOLOGIES LTD

ADVANCED SECURITY FOR YOUR CLOUD

Public, Private, Hybrid and Multi-cloud
Security Solutions

Paolo Castelli | Security Engineering Team Leader South Italy

WELCOME TO THE FUTURE OF
CYBER SECURITY

POWERED BY  **CHECK POINT
INFINITY**

CLOUD • MOBILE • THREAT PREVENTION

Infrastructure as a Service (IaaS): hardware is provided by an external provider and managed for you

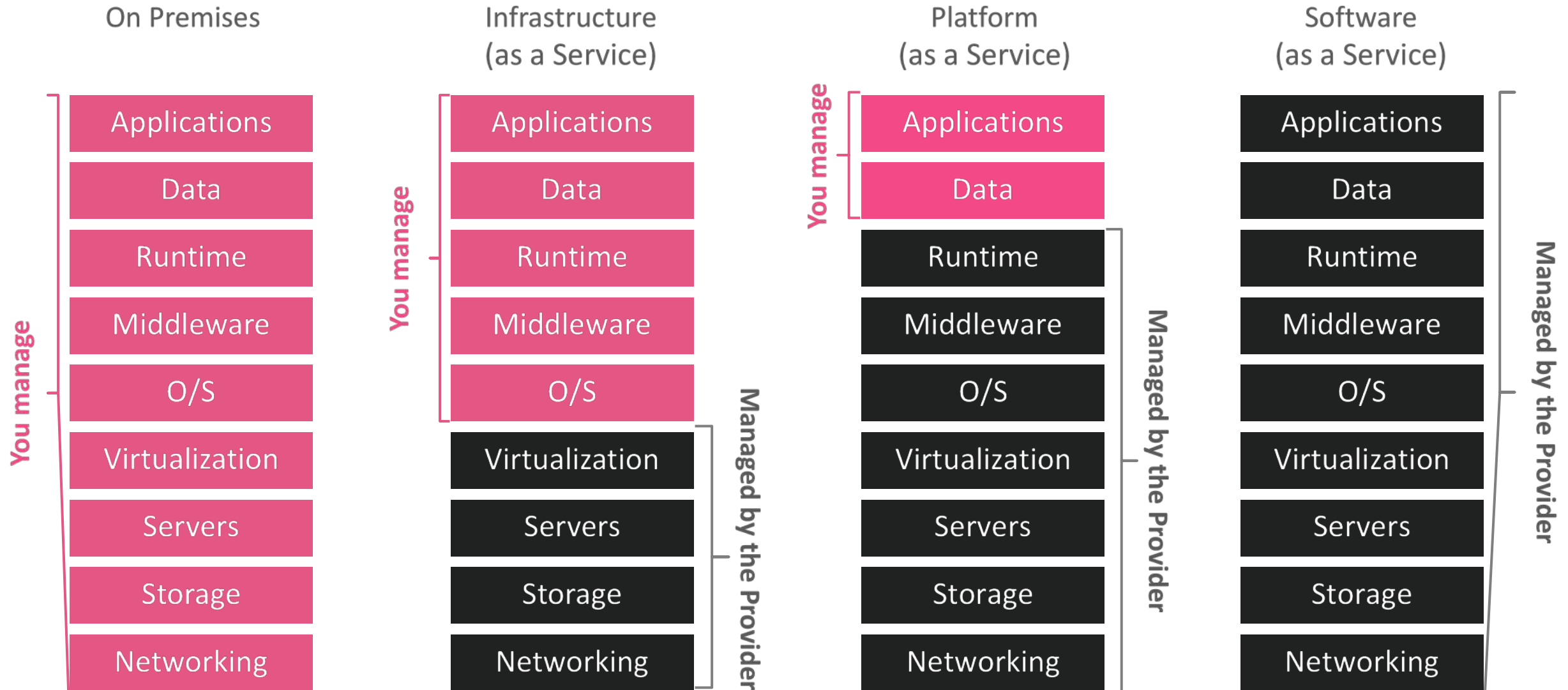
Platform as a Service (PaaS): in addition to hardware, your operating system layer is managed for you

Software as a Service (SaaS): further to the above, an application layer is provided and managed for you - you won't see or have to worry about the first two layers

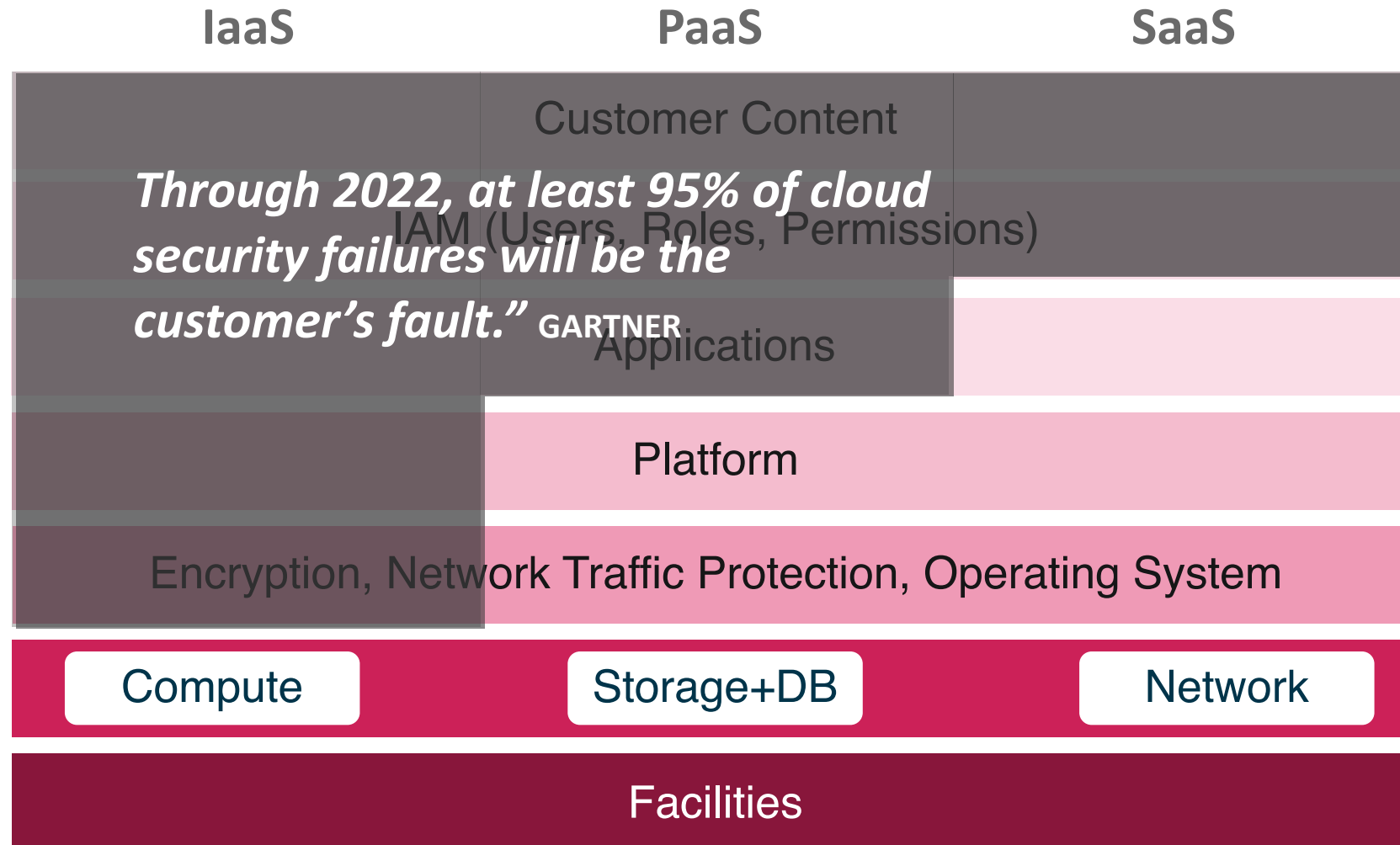
CLOUD MODELS



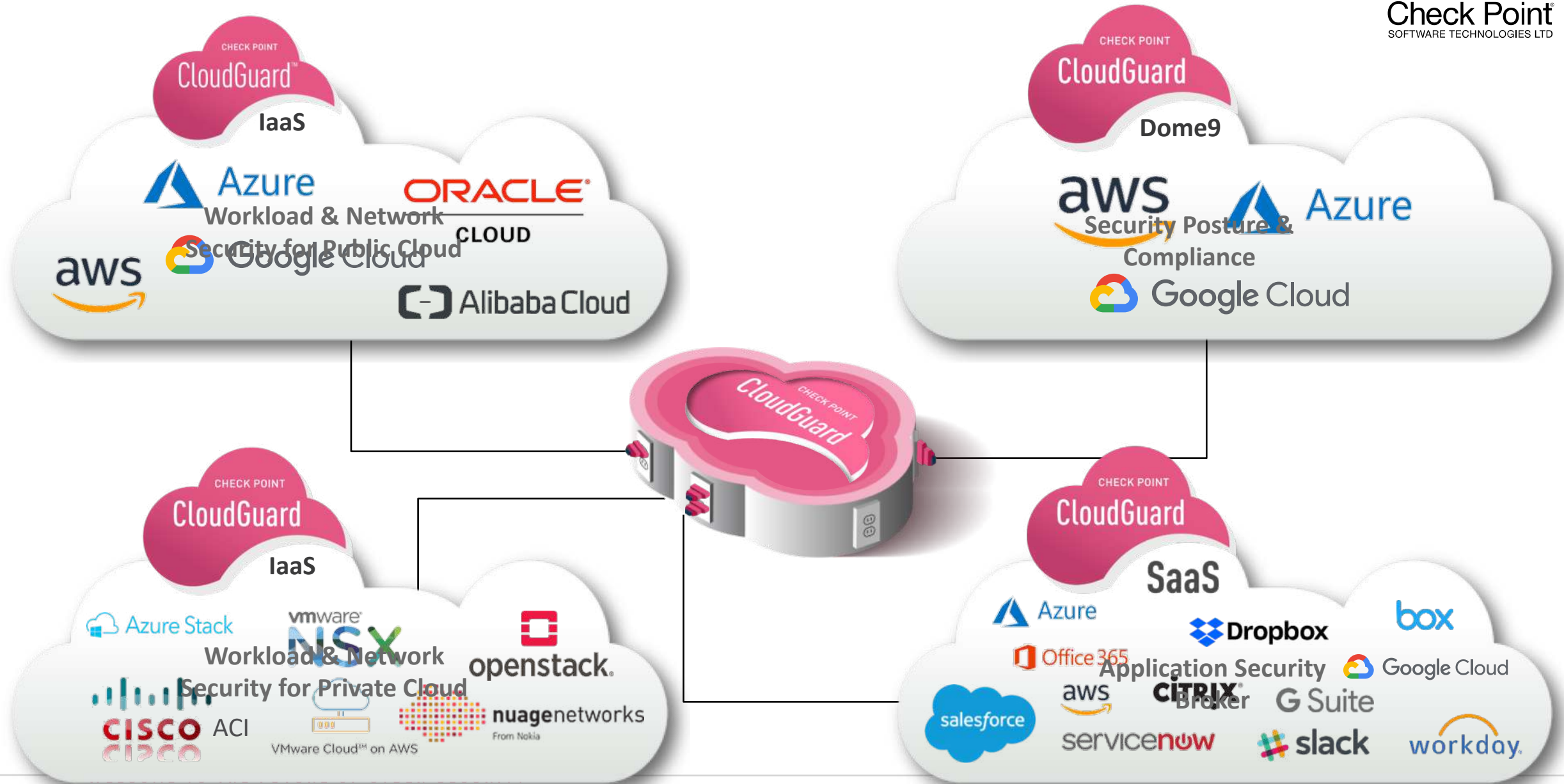
Check Point
SOFTWARE TECHNOLOGIES LTD



Cloud Security is a Shared Responsibility



CloudGuard Family for Complete Cloud Security





IaaS

Public and Private

Security in the Cloud is Challenging



Check Point®
SOFTWARE TECHNOLOGIES LTD

Operational Visibility



- What are the **perimeters** of my private and public cloud environments?
- What **assets** do I have on the network? What is exposed?

Compliance & Governance



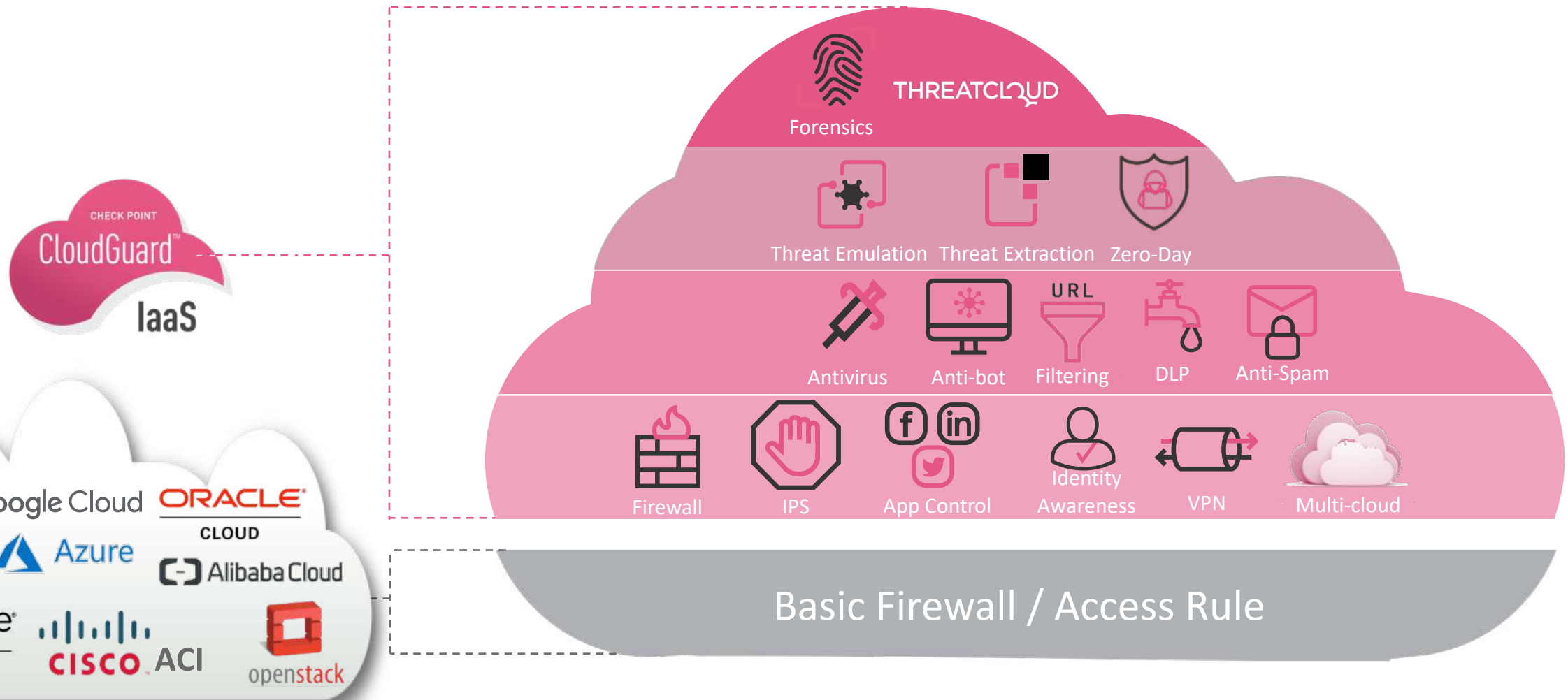
- Are our cloud environments meeting **compliance regulations**?
- Are they adhering to my internal corporate IT governance policies?

Consistent Security

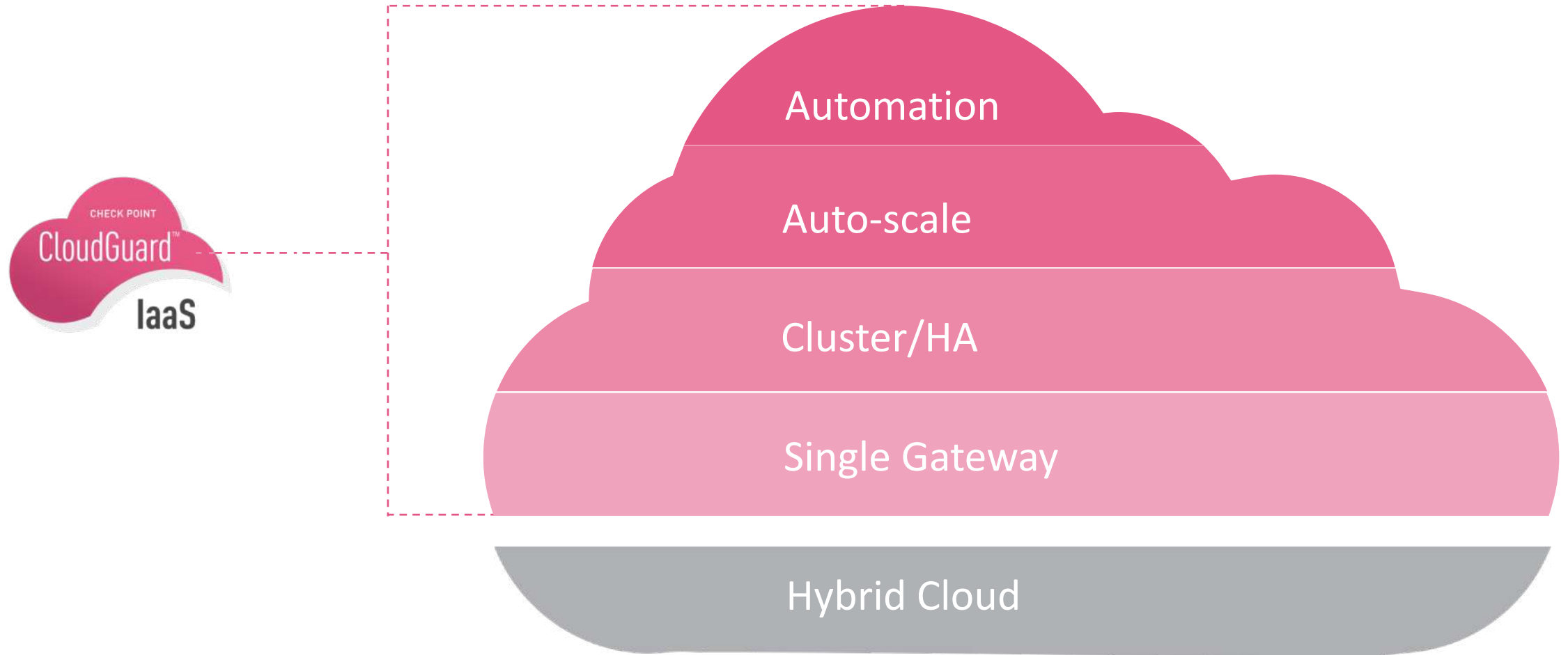


- Am I setting the **right network and access policies** to create the security posture I want?
- Am I able to find and **fix misconfigured** ports and services?

CloudGuard IaaS Advanced Protection



CloudGuard Deployment



APPLICATION-AWARE POLICY TIED TO CLOUD MANAGEMENT AND SDN



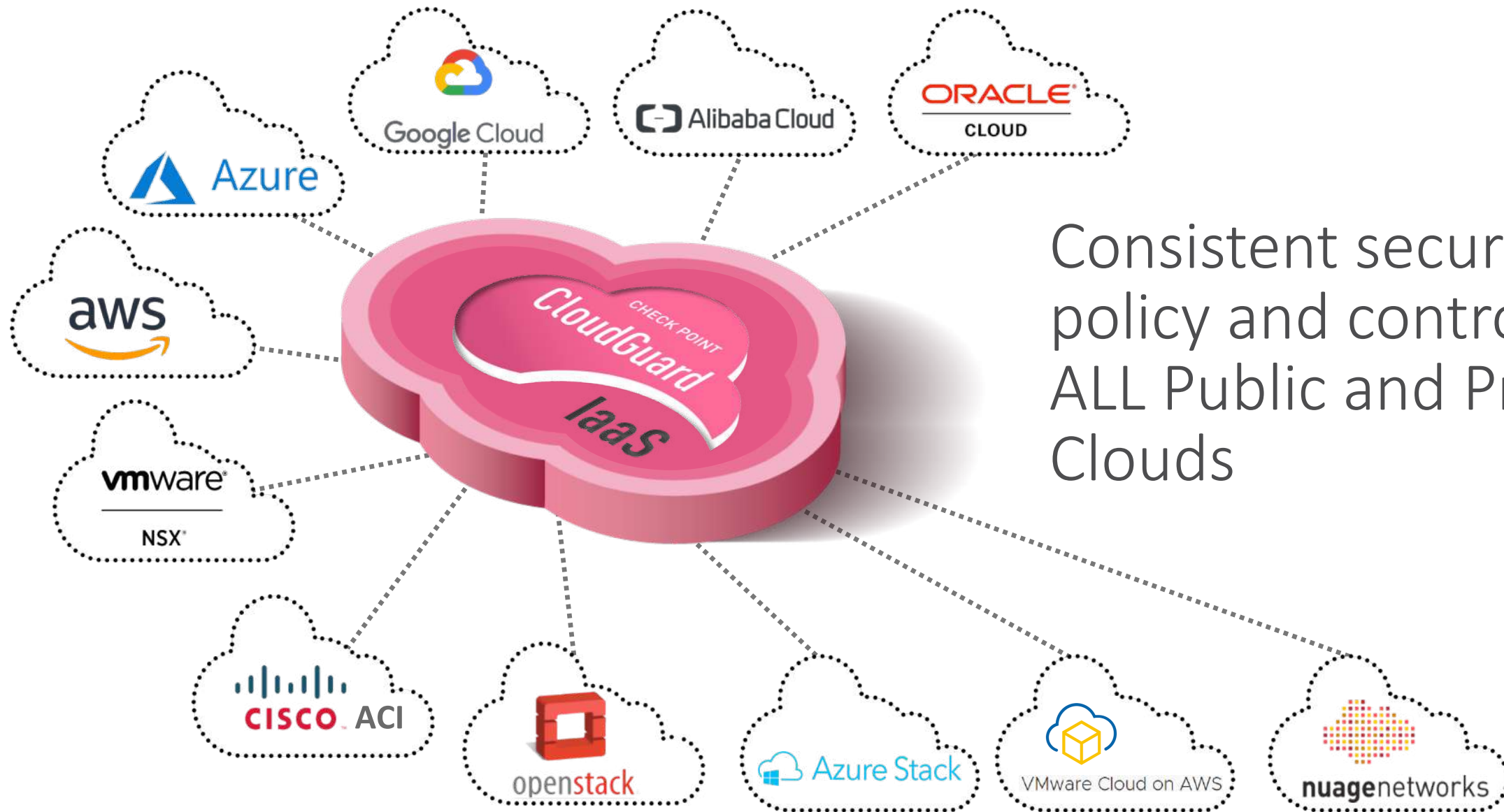
WELCOME TO THE FUTURE OF CYBER SECURITY

©2019 Check Point Software Technologies Ltd.

CLOUDGUARD IAAS ADAPTIVE SECURITY

Drag & Drop dynamic policy with cloud objects

Check Point Access Policy				
Rule	From	To	Application	Action
3	Web_SecurityGroup AWS Object	DB_VM vCenter Object	MSSQL	Allow
4	CRM_SecurityGroup Azure Object	SAP_SecurityGroup NSX Object	CRM	Allow
5	AWS_VPC AWS Object	Azure_VNET Azure Object	ADFS	Allow



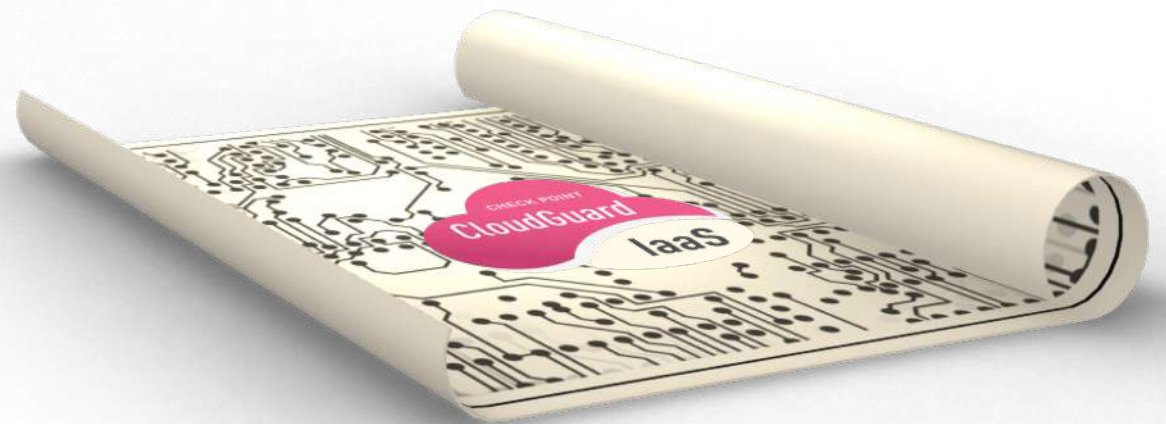
Consistent security
policy and control across
ALL Public and Private
Clouds

CHECK POINT'S CLOUD SECURITY BLUEPRINT

Agile - security architecture that enables DevOps innovation

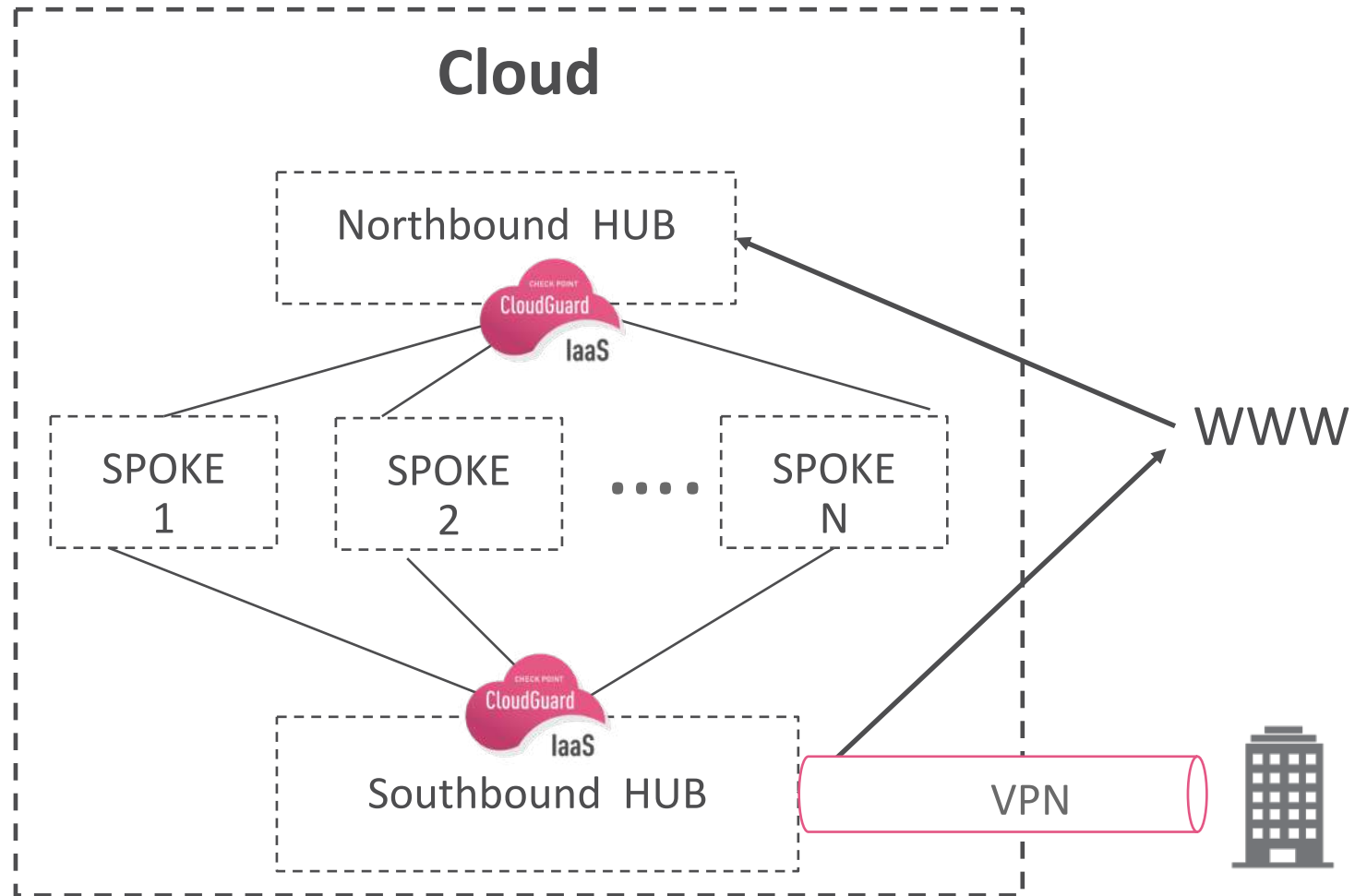
Efficient – automatically deploy, provision, & scale security in the Cloud

Multi-Clouds – unified security architecture for all environments



THE HUB & SPOKE ARCHITECTURE (TRANSIT)

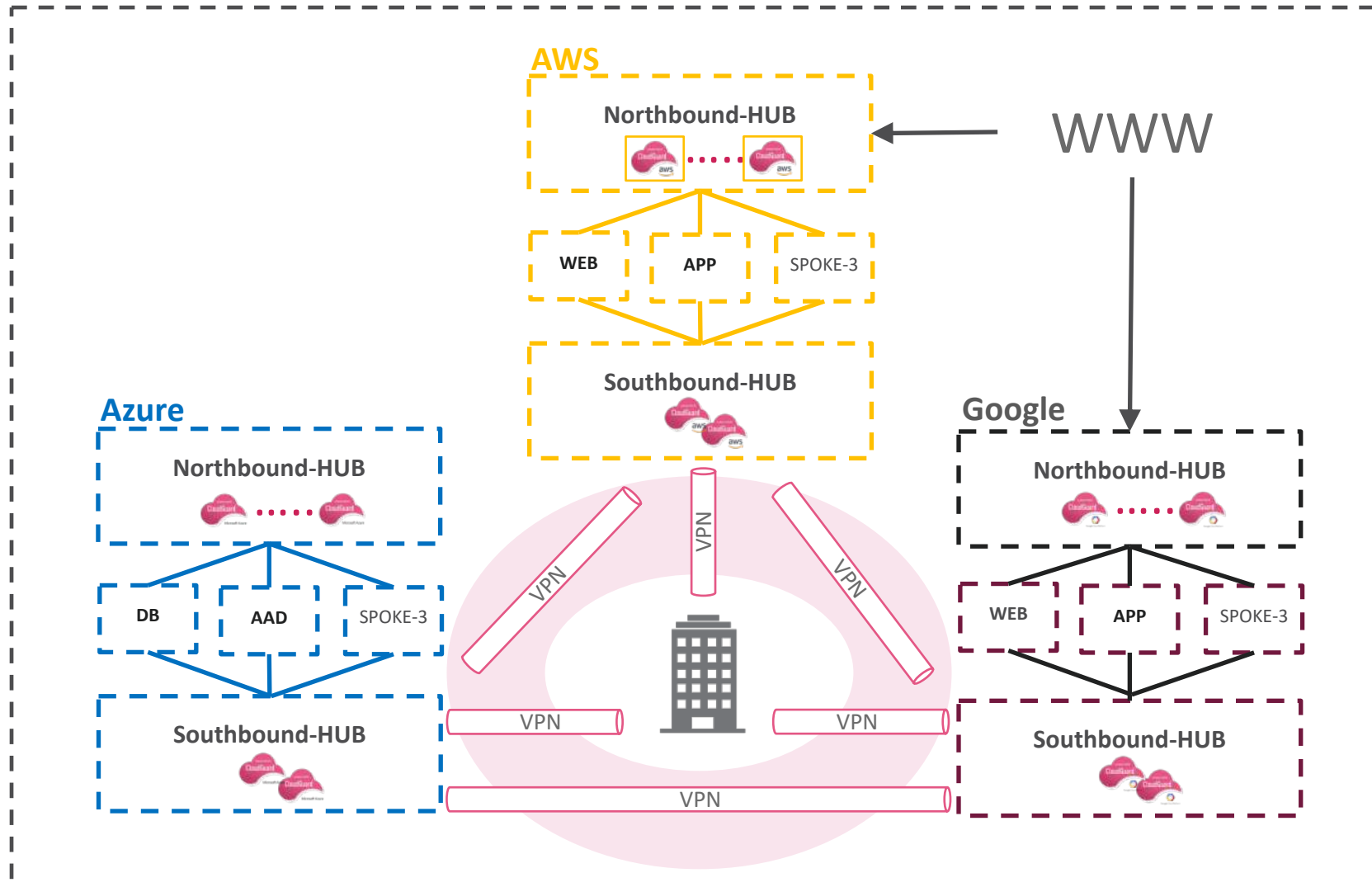
- Advanced threat protection on perimeter
- North-South & East-West security is controlled by security admin
- Inside spoke security controlled by DevOps



Multi-Cloud Security



Check Point®
SOFTWARE TECHNOLOGIES LTD



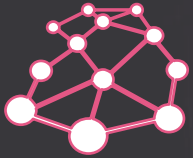


Cloud Security Management & Optimization

SaaS product - Delivered as a Service
Applicable for AWS, Azure and GCP
Agentless - No installation required
Open architecture, based upon REST APIs



Product Modules



Network Security

- ❖ Smooth management and optimization of the cloud workloads and services



Continuous Compliance

- ❖ Full security visibility&control
- ❖ Continuous compliance and governance
- ❖ Effective securing of the privileged users



Privileged Identity Protection

- ❖ Anomaly detection&active thread protection



Cloud Security Intelligence

SaaS





Check Point[®]
SOFTWARE TECHNOLOGIES LTD

WE ARE ALL USING CLOUD APPLICATIONS ARE WE SECURE?

 Suite

 Office 365

 Dropbox

 citrix[®]
ShareFile

EGNYTE

 slack

box

servicenow

 salesforce

WELCOME TO THE FUTURE OF CYBER SECURITY

©2019 Check Point Software Technologies Ltd.



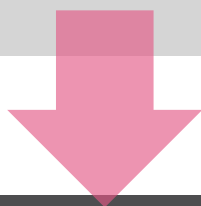
HOW ENTERPRISES ARE ATTACKED



MALWARE DELIVERY

Malicious attachment/file

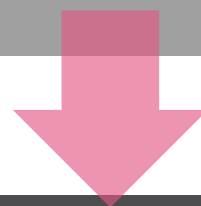
Malicious link



PHISHING

Scam

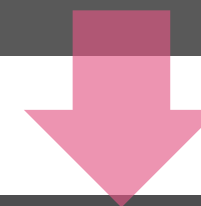
Information/credentials theft



ACCOUNT TAKEOVER

Impersonation for scam (Kaye)

Access corporate data



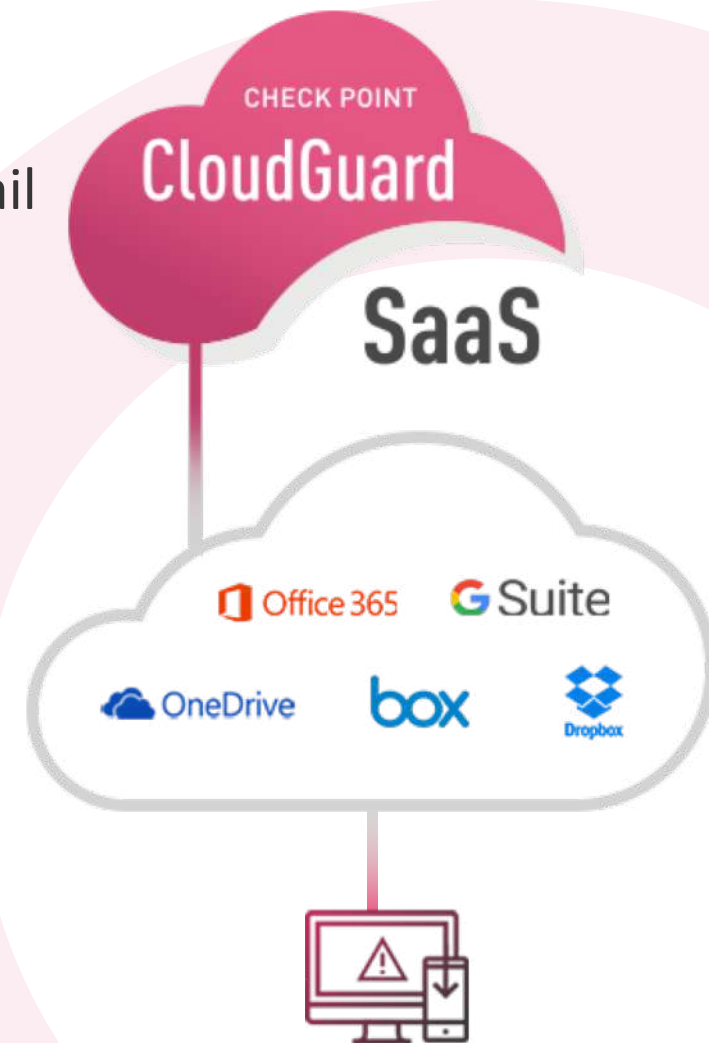
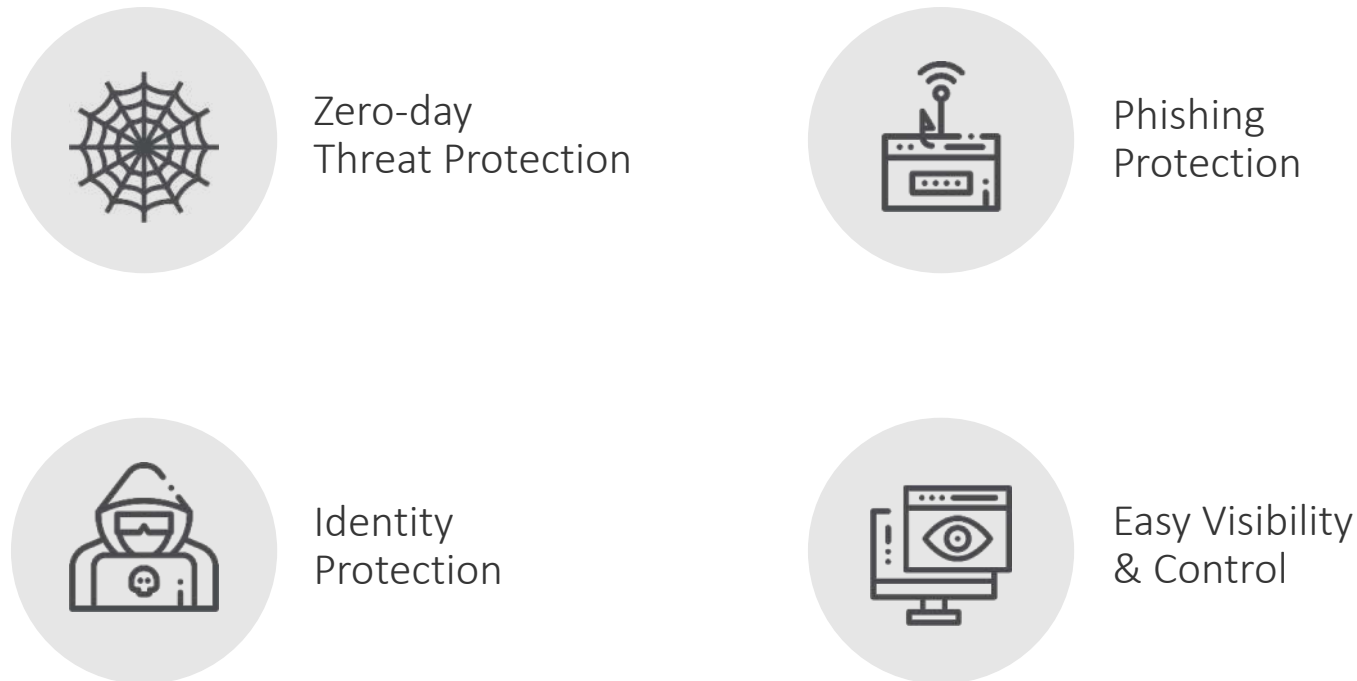
DATA BREACH



CLOUDGUARD SAAS

MORE THAN JUST A CASB

Prevent targeted attacks on SaaS applications and cloud-based email



HOW IT WORKS:

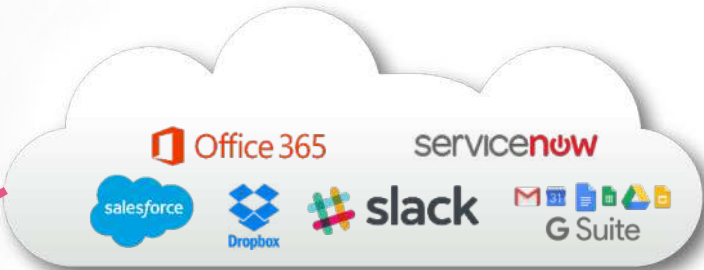


Award-winning technologies

CHECK POINT SECURITY STACK



THREATCLUD



WELCOME TO THE FUTURE OF CYBER SECURITY

©2019 Check Point Software Technologies Ltd.



CLOUDGUARD SAAS THREAT PROTECTION



Check Point®
SOFTWARE TECHNOLOGIES LTD



ZERO-DAY THREAT PROTECTION

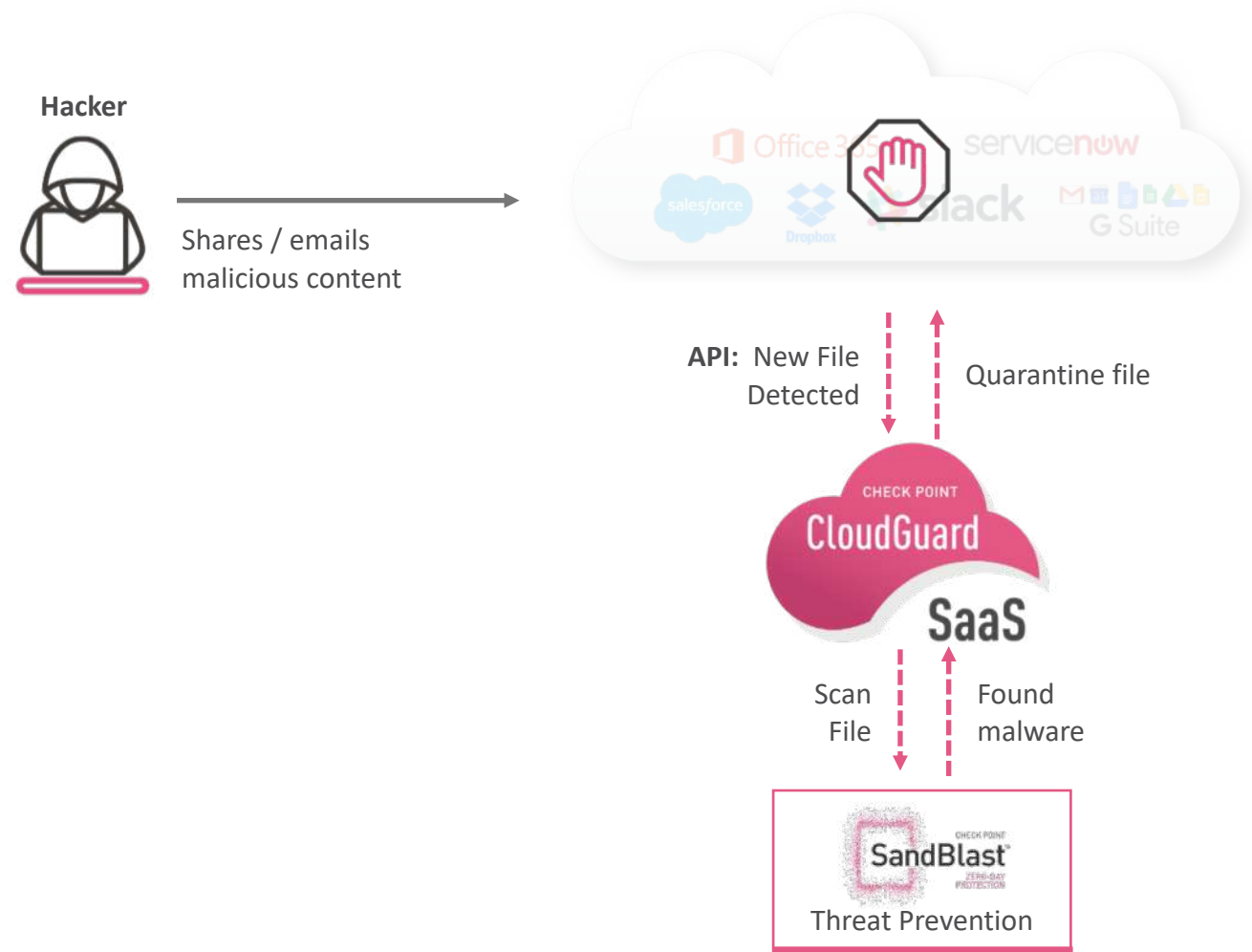
Prevent malware and zero-day threats from attacking SaaS users
Block phishing emails for Office365 and Gmail
Protect file sharing, messaging, and more

WELCOME TO THE FUTURE OF CYBER SECURITY

©2019 Check Point Software Technologies Ltd.

THREAT PREVENTION FOR SAAS APPS

HOW IT WORKS:





CLOUDGUARD SAAS

IDENTITY PROTECTION



Check Point®
SOFTWARE TECHNOLOGIES LTD



IDENTITY PROTECTION

ID-Guard technology identifies imposturous access
Blocks unauthorized users and devices, on mobile and PCs

WELCOME TO THE FUTURE OF CYBER SECURITY

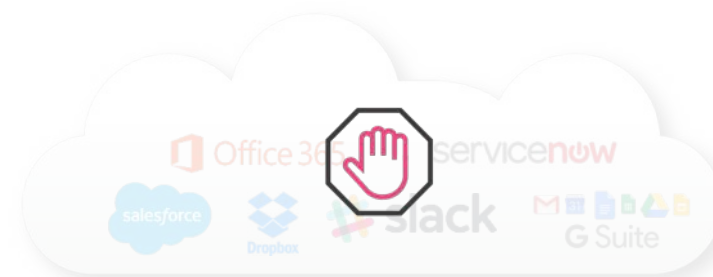
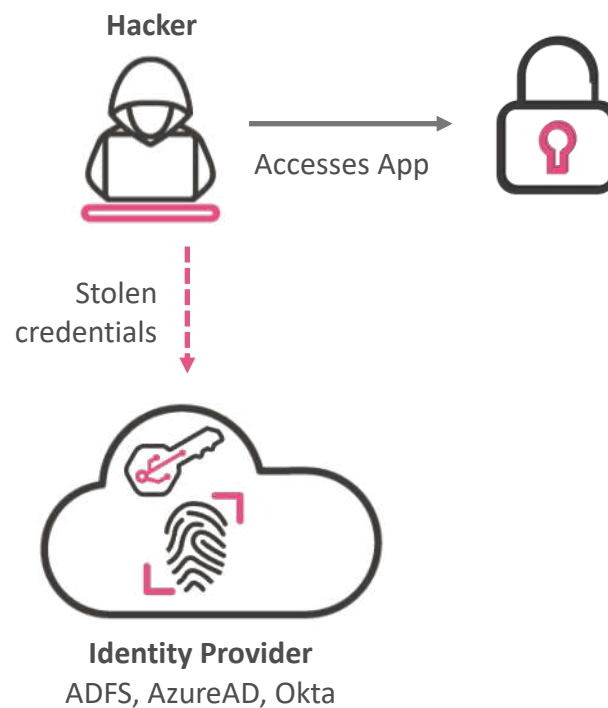
©2018 Check Point Software Technologies Ltd.

ACCOUNT TAKEOVER

WHAT IT LOOKS LIKE:



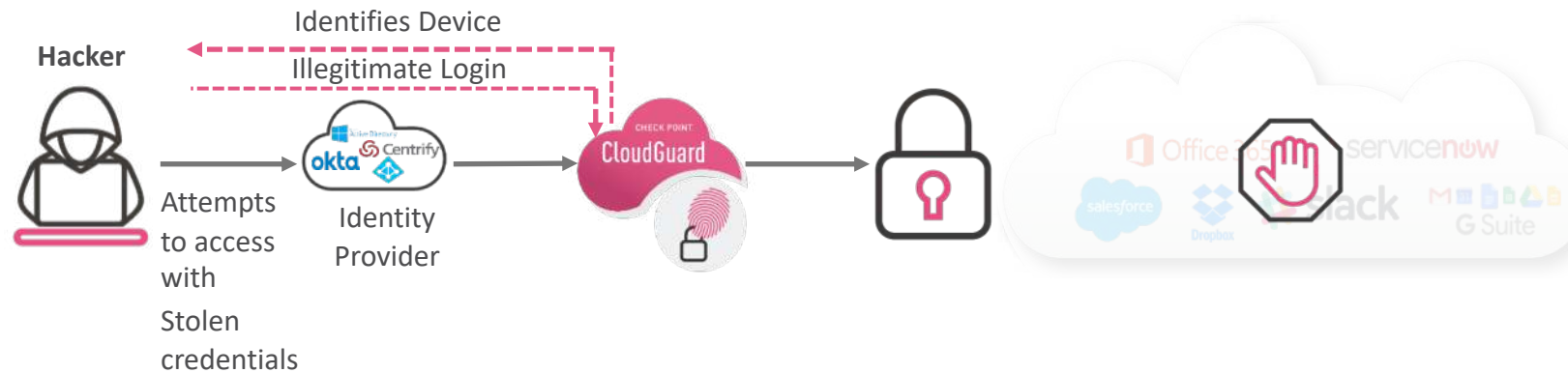
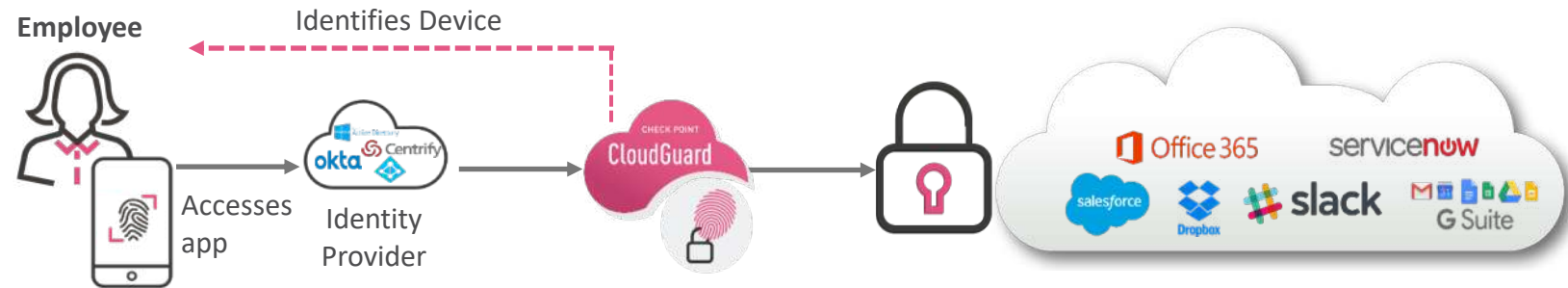
Check Point®
SOFTWARE TECHNOLOGIES LTD





PREVENT ACCOUNT TAKEOVER WITH CLOUDGUARD SAAS IDENTITY PROTECTION

- ✓ Only agent-registered devices allowed to access your SaaS app
- ✓ Frictionless user experience:
 - Does not require 2FA which can be easily bypassed
 - Hassle free to users
- ✓ Visibility into detected threats for admins and users



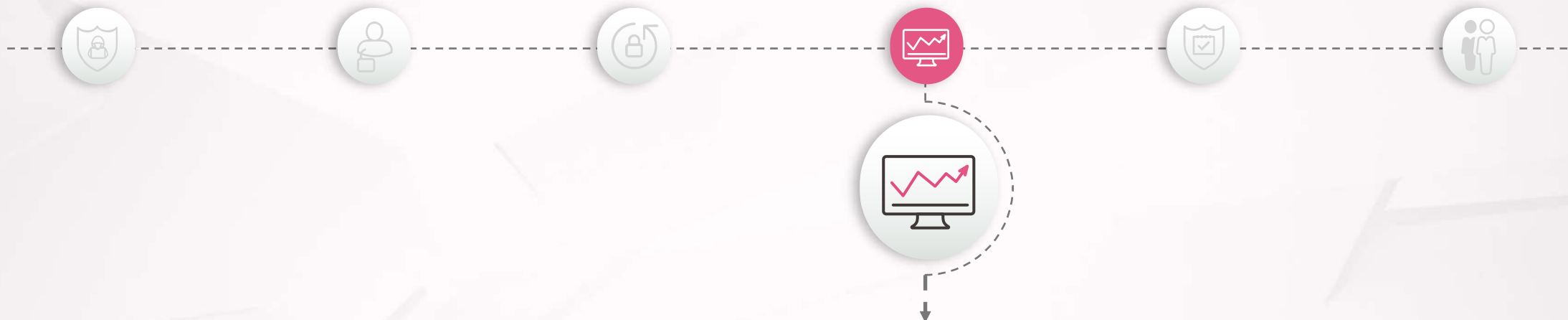


CLOUDGUARD SAAS

SIMPLIFIED MANAGEMENT



Check Point®
SOFTWARE TECHNOLOGIES LTD



SIMPLIFIED MANAGEMENT

Deploy within minutes, scan instantly for previous threats

Centralize configuration and monitoring

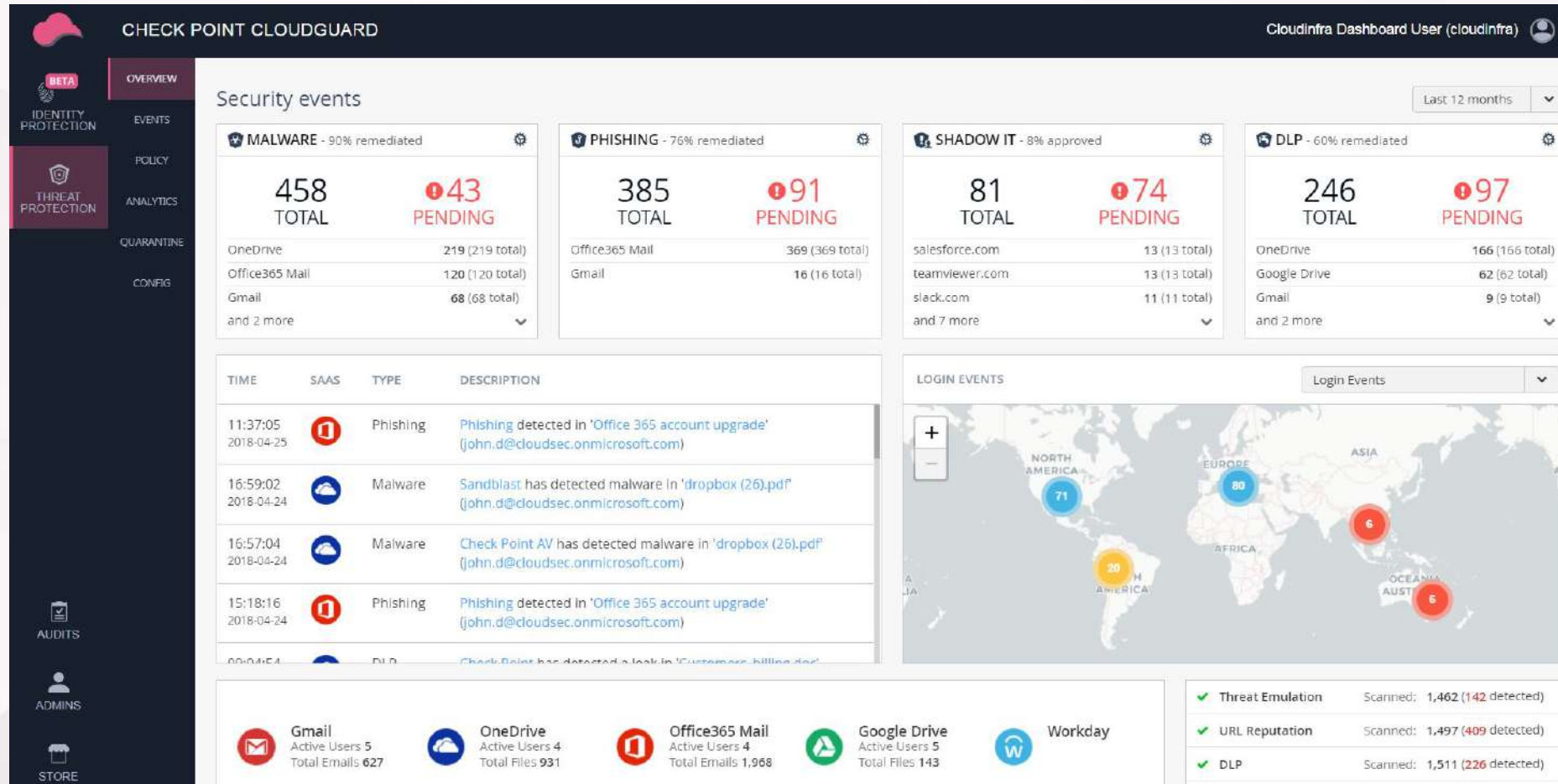
WELCOME TO THE FUTURE OF CYBER SECURITY

©2018 Check Point Software Technologies Ltd.

DEPLOY WITHIN MINUTES



Check Point
SOFTWARE TECHNOLOGIES LTD



WELCOME TO THE FUTURE OF CYBER SECURITY

©2018 Check Point Software Technologies Ltd.

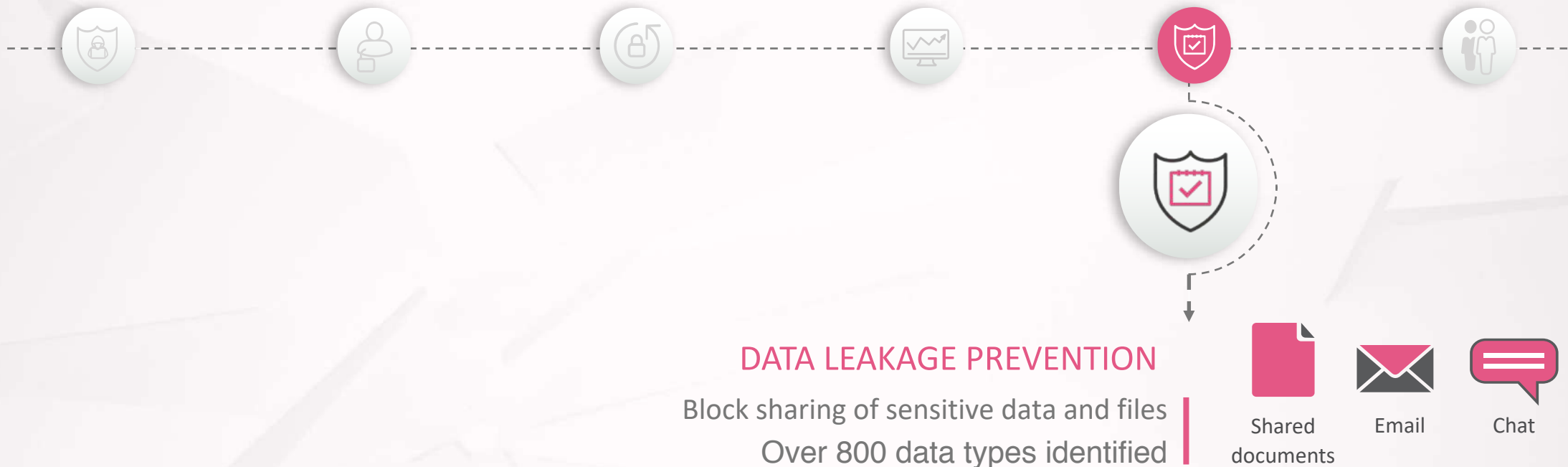


CLOUDGUARD SAAS

DATA LEAKAGE PREVENTION



Check Point
SOFTWARE TECHNOLOGIES LTD



WELCOME TO THE FUTURE OF CYBER SECURITY

©2018 Check Point Software Technologies Ltd.

DATA LEAKAGE PREVENTION FOR SAAS APPS

HOW IT WORKS:

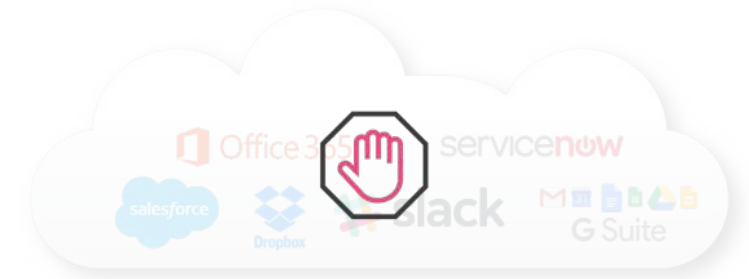


Check Point®
SOFTWARE TECHNOLOGIES LTD

Employee



Shares sensitive content



API: New File
Detected

Quarantines file



Scans
File

Found a sensitive
financial report



Data Leak
Prevention



CLOUDGUARD SAAS with SHADOW IT DISCOVERY



Check Point®
SOFTWARE TECHNOLOGIES LTD



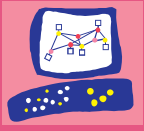
SHADOW IT DISCOVERY

Easy discovery of shadow SaaS apps

Granular, comprehensive shadow IT discovery with Check Point security gateways

WELCOME TO THE FUTURE OF CYBER SECURITY

©2018 Check Point Software Technologies Ltd.



Check Point®
SOFTWARE TECHNOLOGIES LTD

THANK YOU

WELCOME TO THE FUTURE OF
CYBER SECURITY

POWERED BY  CHECK POINT
INFINITY

CLOUD • MOBILE • THREAT PREVENTION