



Check Point®
SOFTWARE TECHNOLOGIES LTD

Adaptive Security that drives innovation in the cloud

WELCOME TO THE FUTURE OF
CYBER SECURITY

POWERED BY  CHECK POINT
INFINITY

CLOUD • MOBILE • THREAT PREVENTION

CLOUD IS TAKING OVER THE WORLD



CLOUD DIVERSITY

67% OF ENTERPRISES ARE IN HYBRID CLOUD.
MULTI CLOUD IS BECOMING THE NORM

RightScale



SECURITY

40% OF ENTERPRISES RATE CLOUD
SECURITY AS A SIGNIFICANT CHALLENGE

RightScale



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G Suite

Office 365

Dropbox

citrix
ShareFile

EGNYTE

box

slack

servicenow

salesforce

OVER 70% OF ENTERPRISES ADOPTED CLOUD APPLICATIONS*

ARE WE SECURE?

*Gartner, 2016

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CLOUD IS THE NEW NORM



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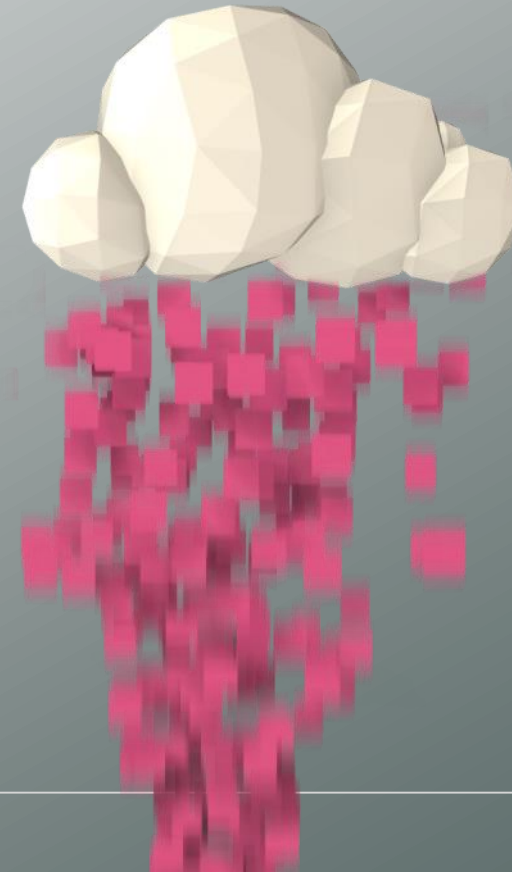
MIGRATE TO CLOUD

Lift & shift applications to the cloud



INNOVATE WITH THE CLOUD

Develop new applications in the cloud

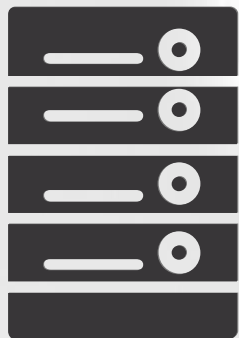


FROM DATA CENTER TO CLOUD



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WHAT USED TO TAKE WEEKS **TAKES MINUTES WITH CLOUD**



DATA CENTER

CLOUD

WHY CLOUD?



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AGILITY

Fast to react



ELASTICITY

Fast to grow



Cloud is a **shared** environment



Cloud is a **connected** environment



Cloud is a **dynamic** environment

Therefore, cloud is vulnerable and exposed...

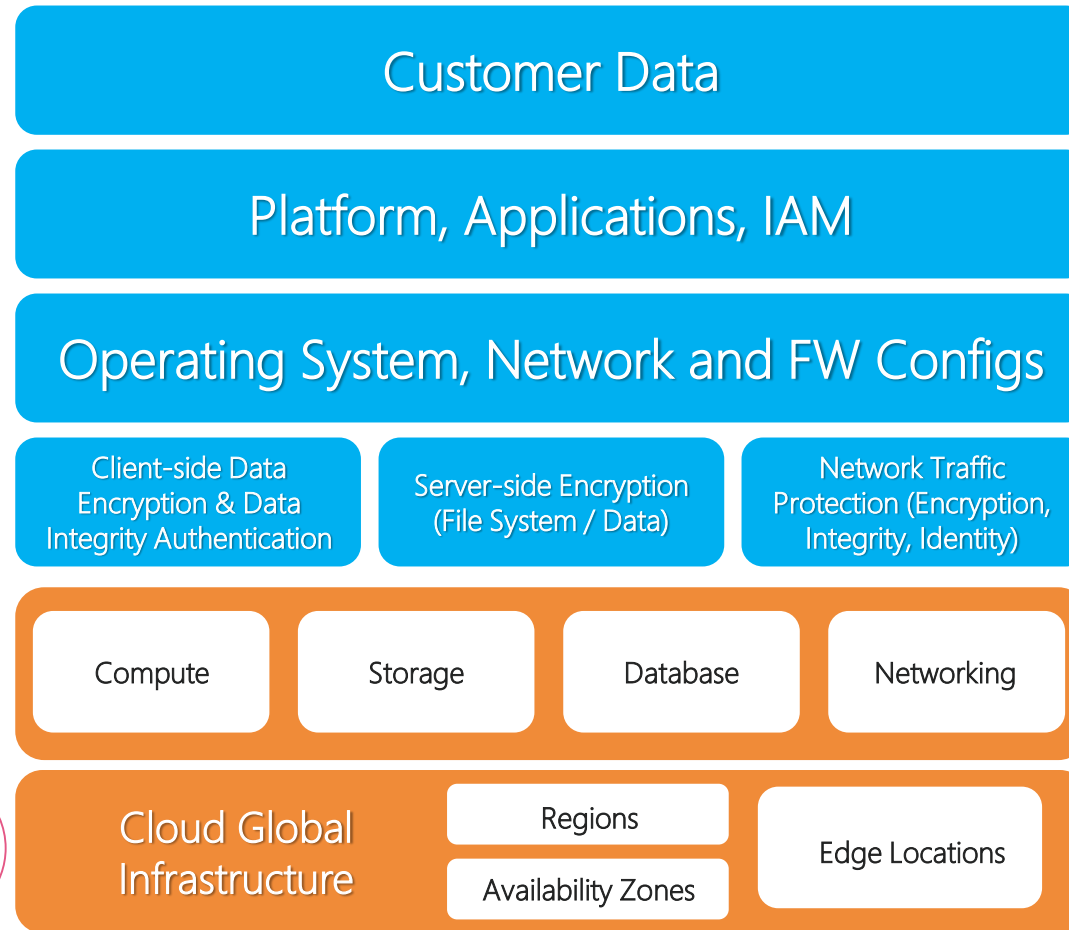


CLOUD = SHARED RESPONSIBILITY

Cloud Provider responsible for
security **OF** the cloud
Infrastructure

Customer responsible for
security **IN** the cloud of their
data and application

CLOUD = SHARED RESPONSIBILITY



Customer responsible for security in the cloud

Cloud vendor responsible for security of the cloud



CLOUD = SHARED RESPONSIBILITY

Responsibility	On-Prem	IaaS	PaaS	SaaS
Data classification & accountability	Cloud Customer	Cloud Customer	Cloud Customer	Cloud Customer
Client & end-point protection	Cloud Customer	Cloud Customer	Cloud Customer	Shared
Identity & access management	Cloud Customer	Cloud Customer	Shared	Shared
Application level controls	Cloud Customer	Cloud Customer	Shared	Cloud Provider
Network controls	Cloud Customer	Shared	Cloud Provider	Cloud Provider
Host infrastructure	Cloud Customer	Shared	Cloud Provider	Cloud Provider
Physical security	Cloud Customer	Cloud Provider	Cloud Provider	Cloud Provider

■ Cloud Customer
 ■ Cloud Provider

Source: Microsoft
 "Shared Responsibilities for Cloud Computing",
 Frank Simorjay [April 2017]

CLOUD SECURITY MUST BE **ADAPTIVE**



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	Legacy Security	Cloud Security
Adding new application	Add rule is a SHOWSTOPPER	Adaptive policy is an ENABLER
Security inside the cloud	Network change is COMPLEX	SDN integration is AUTOMATIC
Application growth	Replacing appliances is EXPENSIVE	Auto-Scale is EFFORTLESS



BUCKLE UP

4 STEPS TO SECURE YOUR CLOUD

STEP #1: CONTROL THE CLOUD PERIMETER



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- Use **advanced threat prevention** at the cloud perimeter
- **Securely connect** your cloud with your on-premise environment

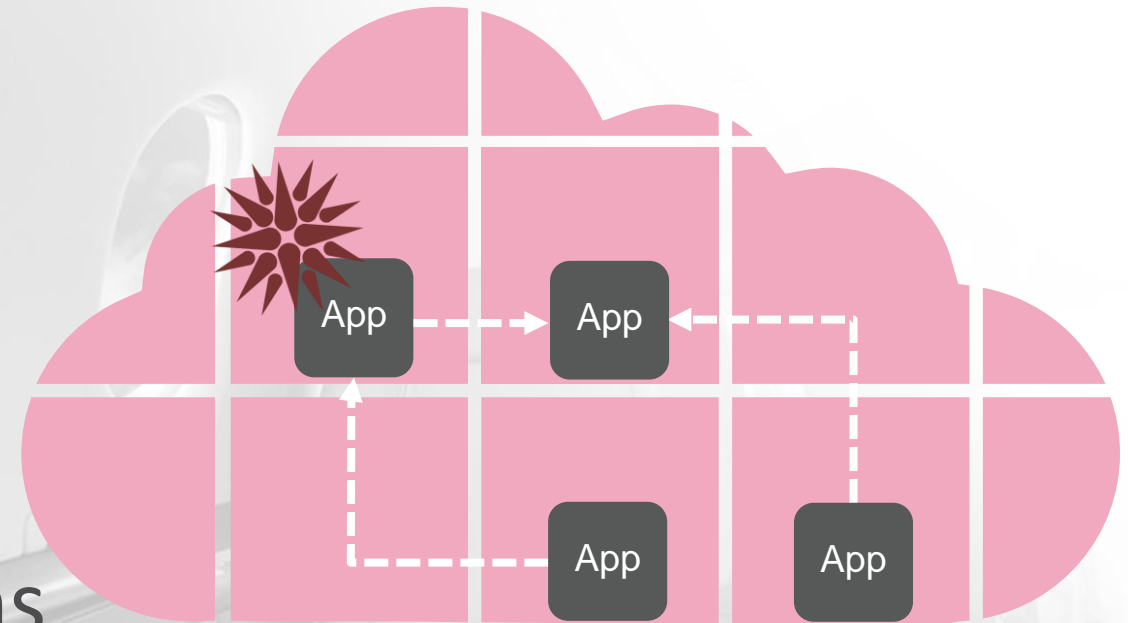


STEP #2: SECURE THE CLOUD FROM THE INSIDE



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- **Micro-segment** your cloud to control inside communication
- **Prevent lateral threats** movement between applications



STEP #3: MANAGE CONSISTENT SECURITY FOR HYBRID ENVIRONMENTS



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- **Deploy** unified security management for your hybrid cloud (On-Premise and Cloud)
- **Ensure** policy consistency
- **Reduce** operation cost



ON-PREMISE

STEP #4: **AUTOMATE YOUR SECURITY**



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Security should be as elastic and dynamic as your cloud

- **Auto-provisioned**
- **Auto-scaled**
- **Adaptive to changes**



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GRACIAS

Víctor Molina Rodríguez | Security Engineer
Check Point Software Technologies

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