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# MULTICLOUD CYBER SECURITY

Dynamic and Agile Security for Public and Hybrid Cloud Environments

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WELCOME TO THE FUTURE OF  
**CYBER SECURITY**

POWERED BY  **CHECK POINT  
INFINITY**

CLOUD • MOBILE • THREAT PREVENTION

# NEW ENTERPRISE IT DEMANDS

Enable **business agility**,  
streamline **processes**,  
enhance **competitive**  
**advantages**, and lower  
IT costs



# THE MODERN NETWORK



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*The cloud enables businesses to deploy new applications and services more quickly and efficiently*

# CURRENT STATE OF CLOUD SECURITY

*NOT EVERY CLOUD HAS A SILVER LINING*



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SINGLE (SIGN-ON) POINT OF FAILURE? —

## OneLogin suffers breach—customer data said to be exposed, decrypted

Customer account-only support page warns of "ability to decrypt encrypted data."

KELLY FIVEASH - 6/1/2017, 5:59 AM

► SECURITY / CLOUD SECURITY

## BroadSoft at Heart of TWC Customer Data Blunder



Details related to more than 4 million Time Warner Cable customers were exposed online in a major data breach, according to a report from Kromtech Security, but it was a partner of the US cable operator, rather than TWC itself.

## Widespread, Brute-Force, Cloud-to-Cloud Attacks Hit Office 365 Users

And the hits just keep on coming . . .

## Cyber attack on parliament leaves MPs unable to access emails

MP cites possible danger of blackmail attempt as House of Commons investigates unauthorised attempts to access user accounts



## US data exposure highlights security risks in the cloud

Latest News

Published: June 20th, 2017 - Christina Cardoza

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ARTICLE TAGS

## The RNC Files: Inside the Largest US Voter Data Leak

UpGuard

## Uber's massive hack: What we know

by Selena Larson @selenalarson

November 23, 2017 4:47 AM ET



Uber failed to disclose 2016 hack

Uber's disclosure that hackers accessed the personal information of 57 million riders and drivers last year, a breach it didn't disclose

Social Surge - What's Trending

- Amazon picks 20 finalists for its second headquarters
- Shoes with an ethical footprint
- You can't get \$1 out of the bank in Venezuela. I tried.

Mortgage & Savings

Mortgage	Personal Loans	Credit Cards
Loan Type	Rate	APR
30-yr fixed	3.63%	3.71%
15-yr fixed	2.88%	3.04%
5.0 ARM	3.46%	3.71%

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# CLOUD = SHARED RESPONSIBILITY

Cloud Provider responsible for  
security of the cloud

Customer responsible for  
security in the cloud

# CLOUD NETWORKS ARE VULNERABLE

- Shared responsibility is unclear
- Increasingly sophisticated and automated attacks
- Lateral spread of threats
- Account hijacking
- Inconsistent tools for visibility, management, and reporting



# TRADITIONAL SECURITY NOT DESIGNED FOR CLOUD



- Static controls
- Manually intensive
- Siloed disciplines
  - Lack of knowledge / expertise among DevOps
  - Lack of cloud knowledge/experience from IT security teams

# CLOUD SECURITY RECOMMENDATIONS

## 1. COMPREHENSIVE PROTECTIONS

*Prevent attacks against cloud applications, data, and workloads*

## 2. EASE OF OPERATIONS

*One-click deployment, auto-provisioning templates*

## 3. CONSUME & CONTRIBUTE CONTEXT

*Adjust to dynamic nature of cloud*

## 4. CENTRALIZED MANAGEMENT

*Single pane-of-glass experience across all clouds*





# CloudGuard Suite



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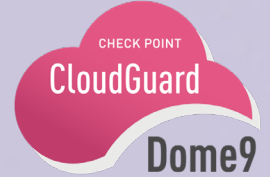
Preventing attacks  
on SaaS applications  
and cloud-based  
email



Public Cloud - Access  
control and advanced  
threat prevention



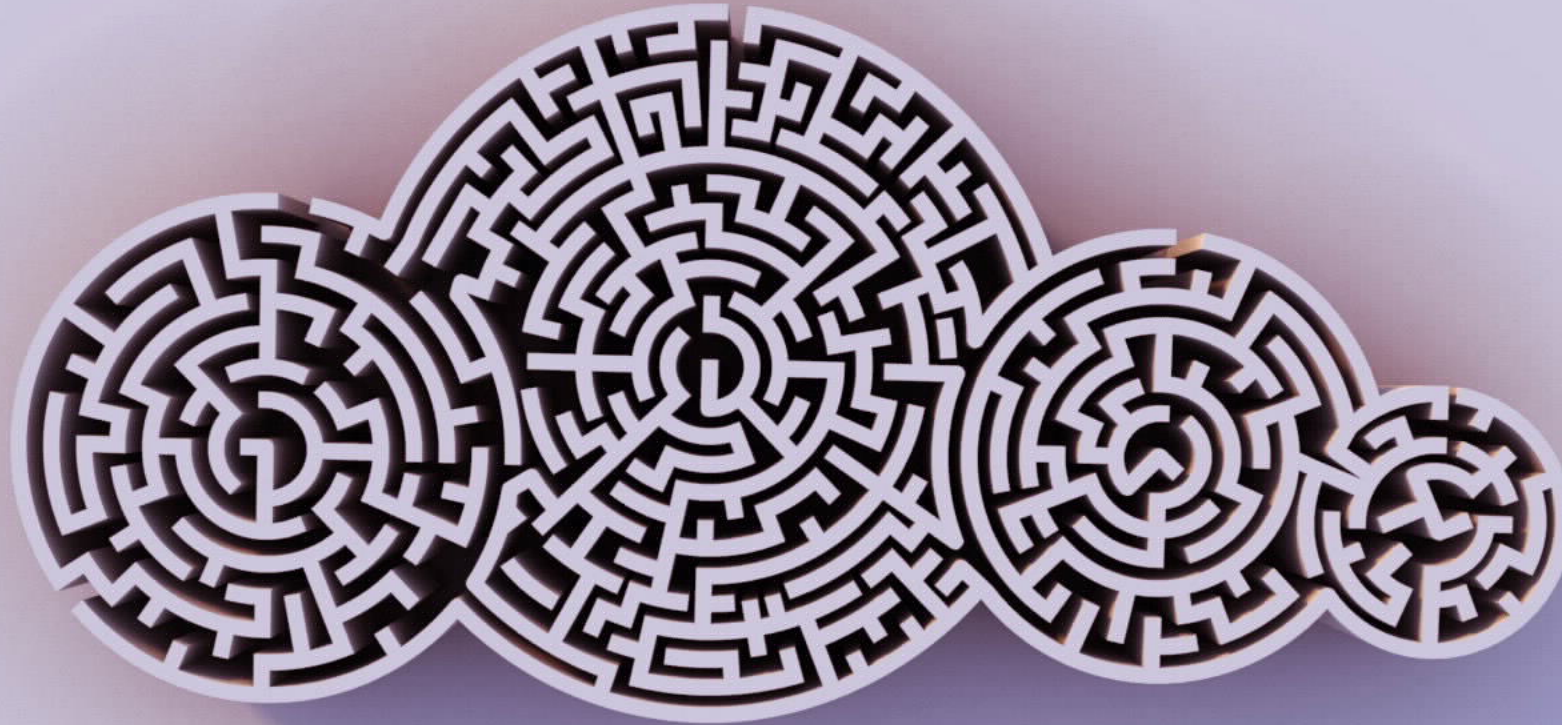
Controller - Adaptive  
security for all major  
cloud providers



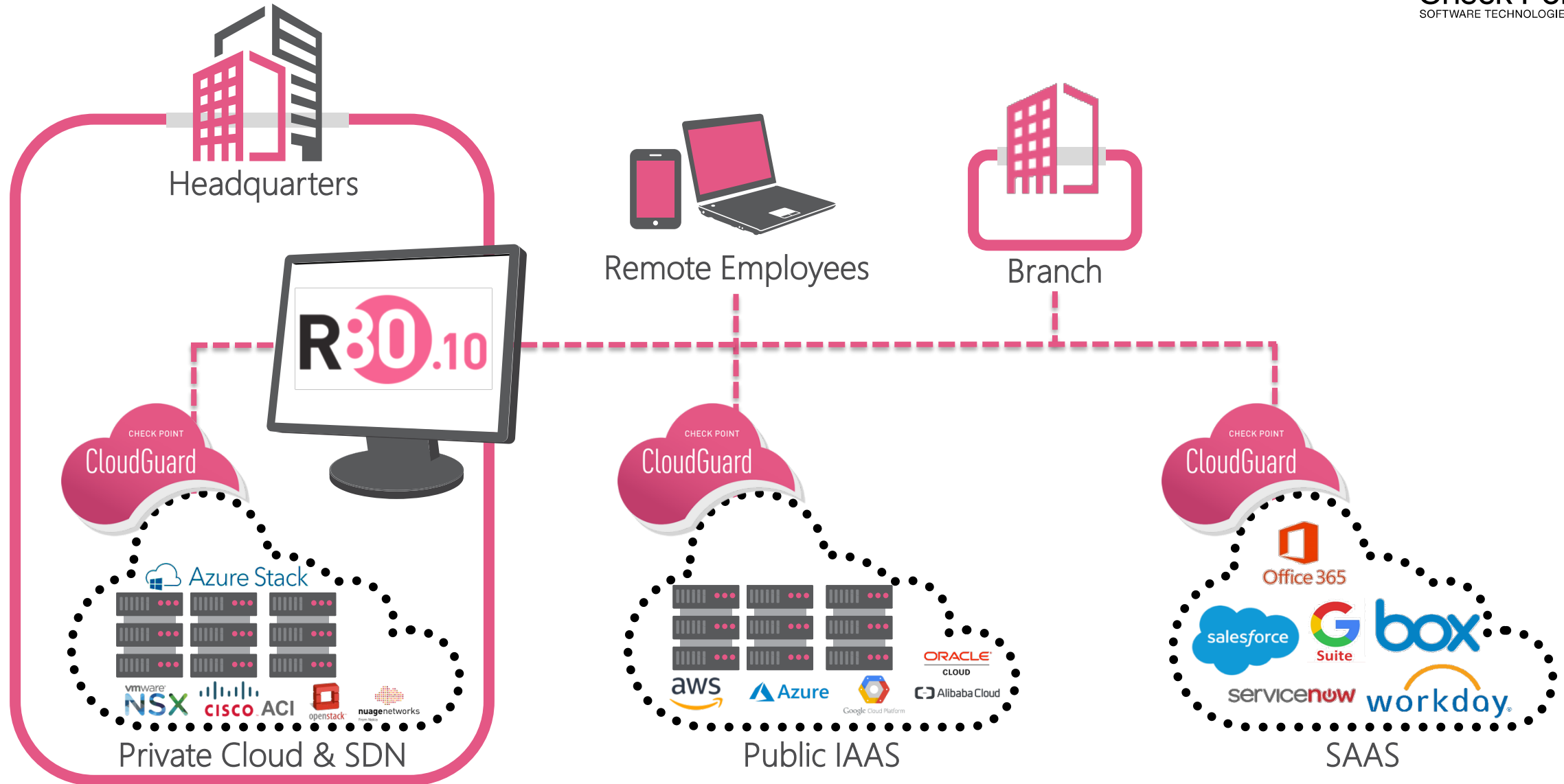
Visibility, compliance  
and governance,  
network security



Private Cloud -  
Advanced threat  
prevention for East-  
West and North-South  
traffic



# COMPREHENSIVE ARCHITECTURE



# CLOUDGUARD SOLUTION COMPONENTS



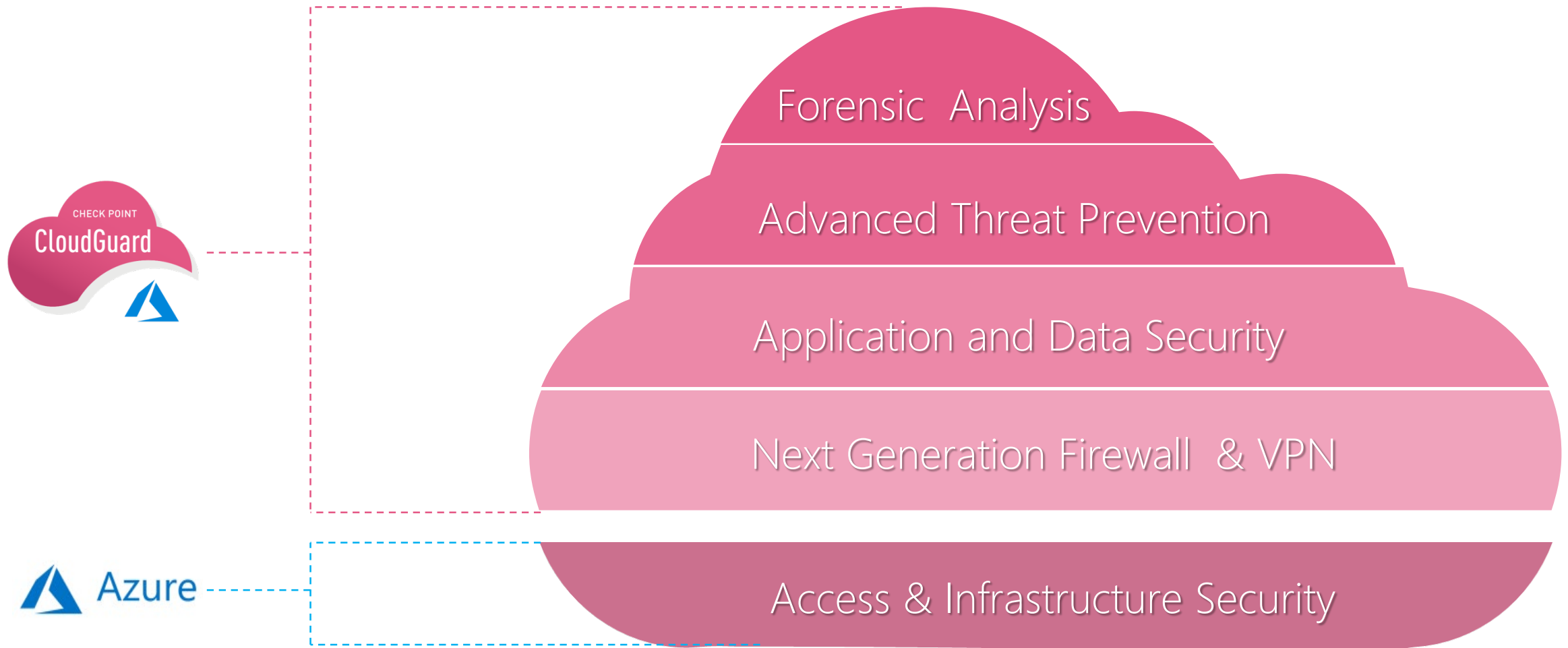
## CloudGuard Gateway

- Comprehensive protections including: Firewall, IPS, AntiBot, AntiVirus, VPN, DLP, Content Awareness and SandBlast Zero-Day Protections
- Secure all traffic between applications inside the public cloud and across the hybrid cloud

## CloudGuard Controller

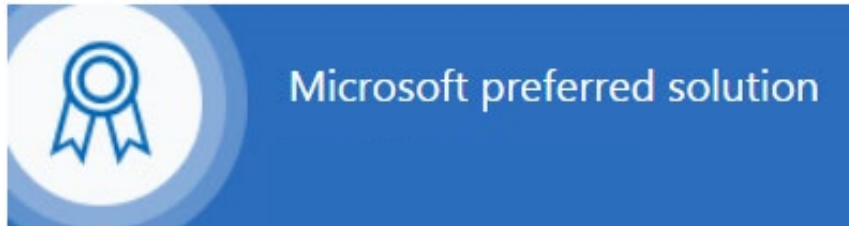
- Automated security with unified management
- Context-aware policies and logs leveraging Azure defined objects
- Consolidated logging and reporting across private, public and hybrid clouds
- RESTful API integration with Security Center and more

# ENHANCING NATIVE AZURE SECURITY





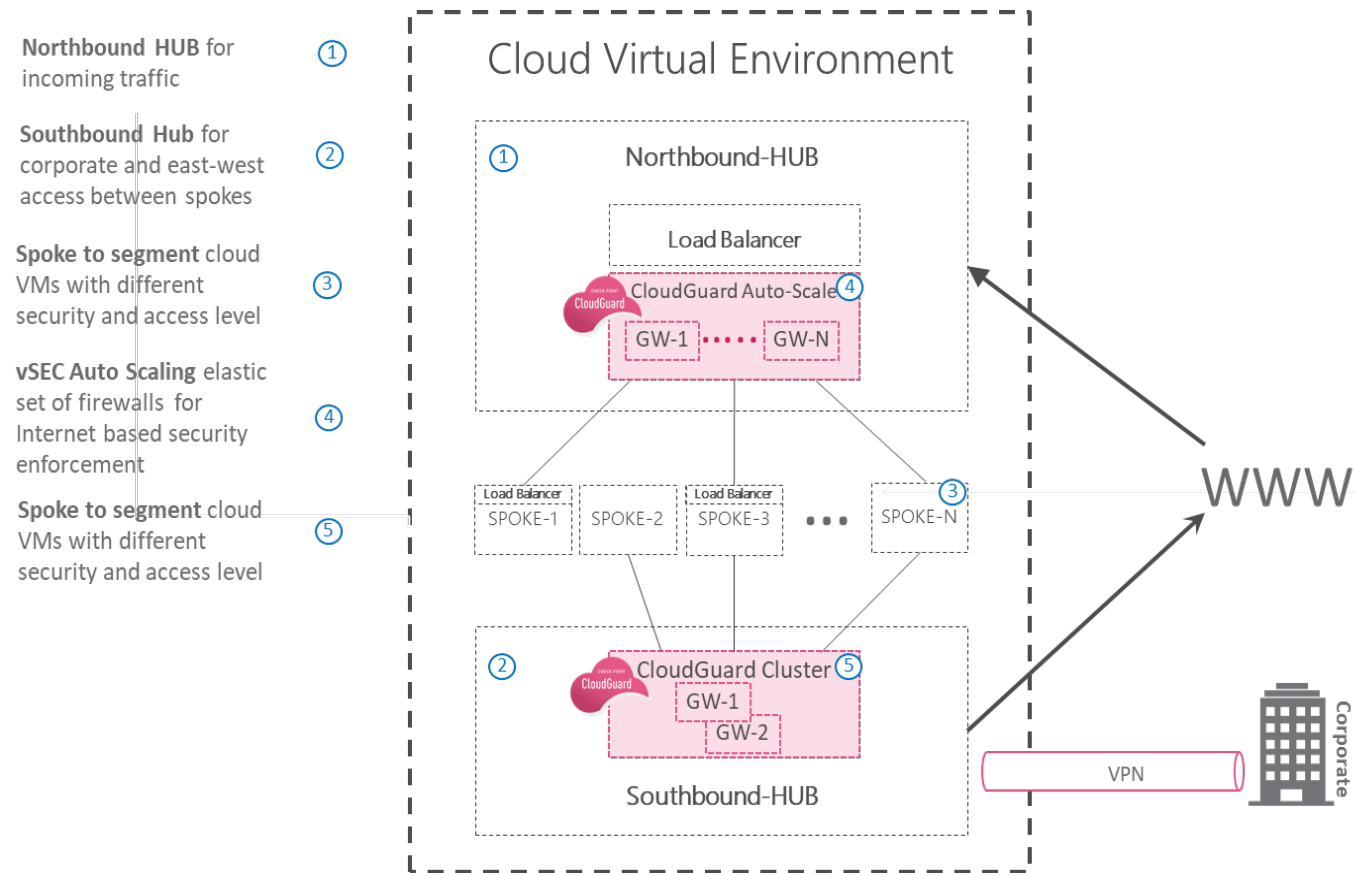
# SECURITY AS DYNAMIC AS THE CLOUD



- Microsoft Preferred Solution
  - Proven customer benefits
- Azure Certified and Proven Customer Success
  - Reduced deployment complexity, seamless integrations
- Rapid and Easy Deployment
  - Single Click deployment from Azure Marketplace
  - Scripting tools, test drive ([link](#))
- Supports Advanced Azure Features
  - Auto-scaling, Azure Security Center, Clustering, Multiple Availability Regions and more

# AUTOMATED SECURITY ARCHITECTURE

- Security Blueprint for Azure
  - Northbound Hub
    - Secure all incoming traffic to Azure vNETs
  - Southbound Hub
    - Secure lateral traffic between spokes as well as traffic in/out of the corporate network AND outgoing traffic to the Internet or other cloud environments.
- Enables flexibility and systematic separation of communication types



Download the [CloudGuard Security Blueprint](#) for more information

# CHECK POINT CLOUDGUARD FOR AZURE

DYNAMIC AND AGILE SECURITY AT THE SPEED OF DEVOPS

- Advanced protection against the most sophisticated attacks
- Security that adapts to application and infrastructure changes
- Unified visibility and control for all your cloud environments
- Architecture for True Secure DevOps





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# THANK YOU

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