

A multi-layer approach to cyber-security

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Security Engineer

SOFTWARE-DEFINED **PROTECTION**

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TECHNOLOGY IS EVERYWHERE



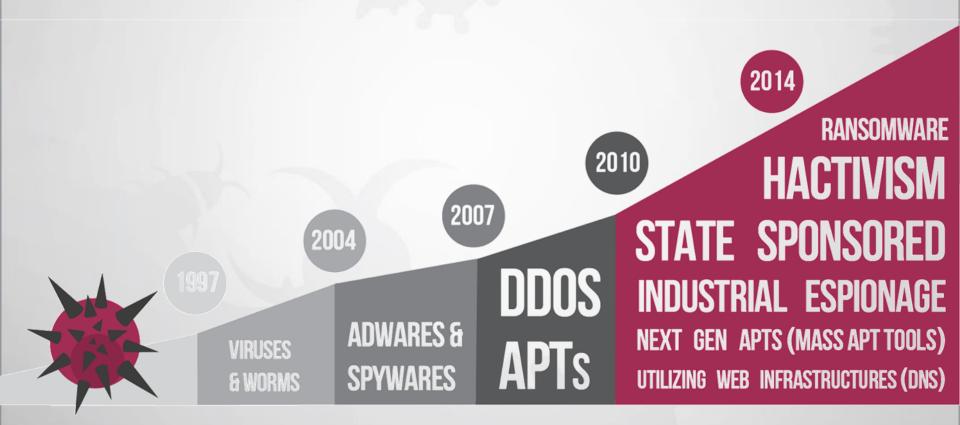
The Internet of things **BRINGS WITH IT NEW** challenges





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BUT SO ARE THREATS





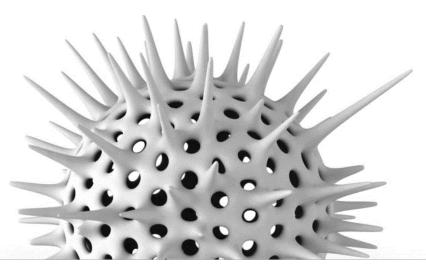
Threat Evolvement...

Traditional threats

Simple and repeatable Mass-market Opportunistic

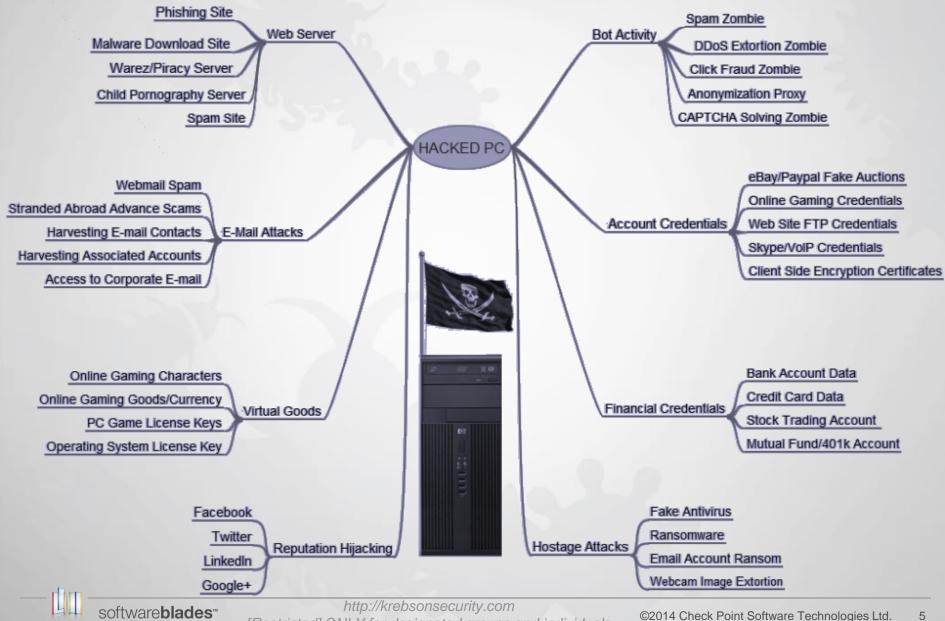
Modern attacks

Sophisticated Customized Relentless



Value of a Hacked PC





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Is Your Organization Infected With Malware?

63% of Organizations Are Infected with Bots 49% of Organizations Have 7+ Bot-infected Hosts





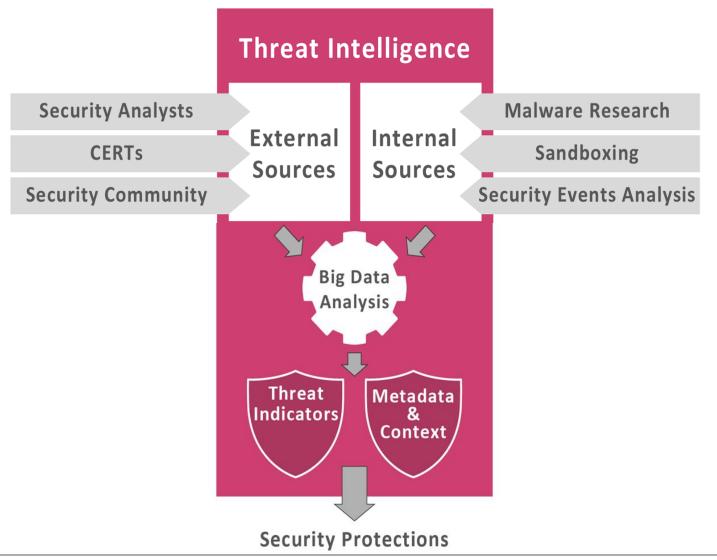
Check Point Threat Prevention



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THREAT INTELLIGENCE





THREAT INTELLIGENCE





250M+ addresses 11M+ malware signatures 400K+ updates per day





Threat Intelligence Example: Cryptolocker



Research & Reverse the Domain Generation Algorithm

Feed ThreatCloud with Signatures

Immediate protections to all Gateways

Prevent threat from Thousands of devices Networks need protection against ALL types of threats Introducing Check Point Multi-layered Threat Prevention











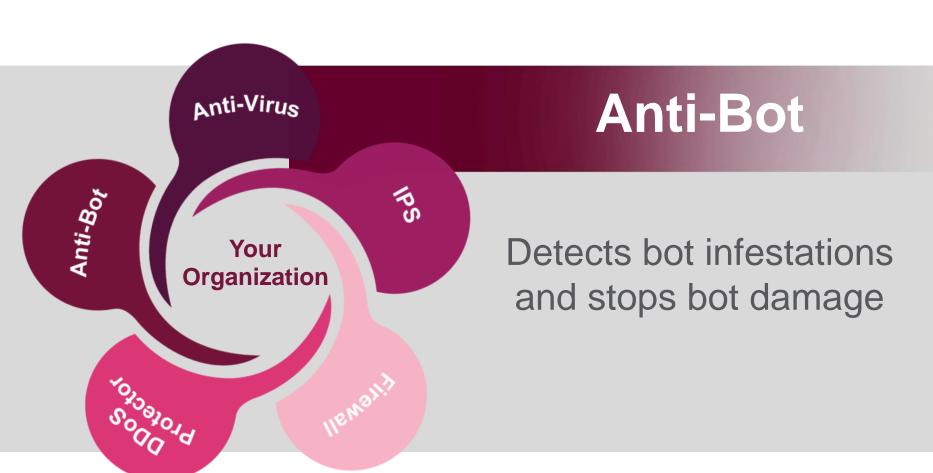






Anti-Virus

Over 12+ million malware signatures and 1+ million malware-infected websites









DDoS Protector

Stops attacks within seconds with Network and Application layer protection

New malware? Zero Day attacks?



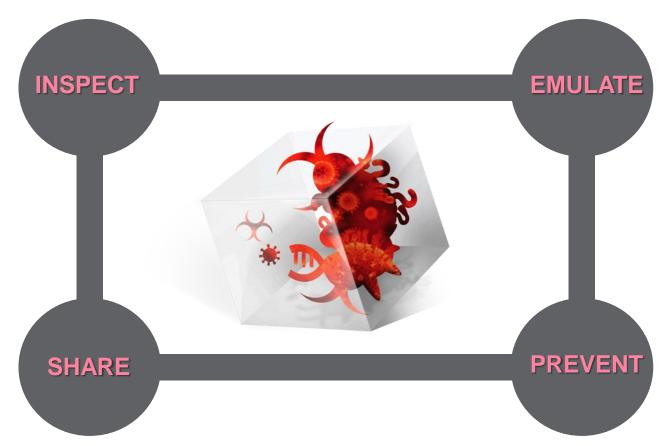
Introducing Threat Emulation







Check Point Threat Emulation



Discover and STOP new threats based-on threat behavior





Does you organization control risky applications?



HAVE A LEAST ONE HIGH-RISK APPLICATION



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High-Risk Applications Continued to Spread

90% Remote Admin Tools 86% File Storage and Sharing 75% P2P File Sharing **56%** Instant Messaging **56%** Anonymizers





Check Point Application Control



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Need to Control All Aspects of Web

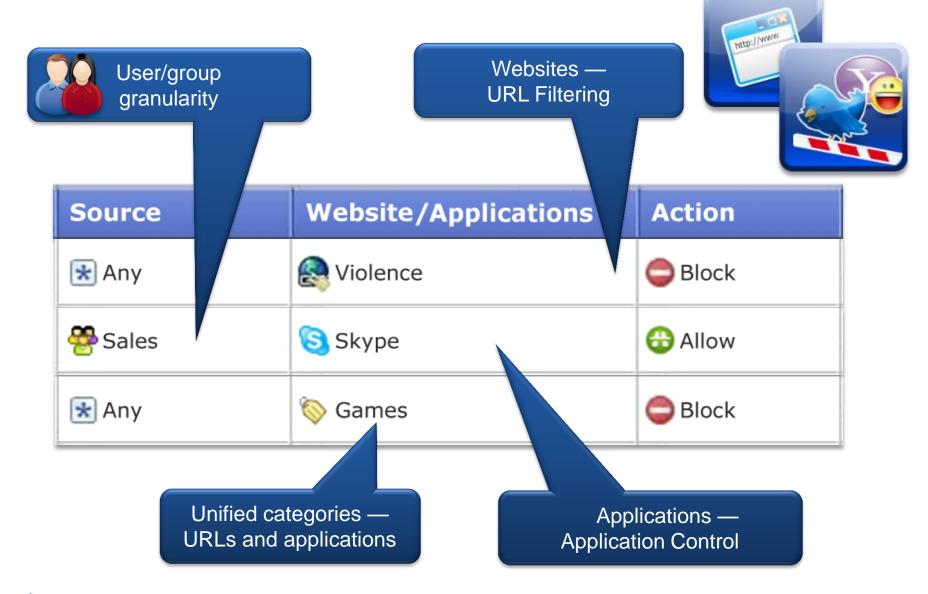




Unified Control Needed !

Check Point Unifies URL Filtering and Application Control







Introducing Check Point AppWiki



Unparalleled Application Control

oplication Search		A cla				
pplication Search						
Risk		Application Name	Category Risk	Risk		
1 2 3 4 5		Current Filter(s): (none)				
Categories	_	ABF Photo Camera	Commercial Monitoring Software	4	^	
Anonymizer	^	AIM Mobile	Mobile Software	4 2 1		
Browser Plugin		Acrobat.com	Business Applications	1		
Business Applications		Active Web Reader	Content Management	1	-	
Software	-	Adobe Acrobat	Business Applications	1		
Commercial Network Nanagement Tool		Adobe Acrobat Connect Professional	Web Conferencing	1		
Content Management Download Manager		Adobe Update	Business Applications	1		
Jownload Manager Facebook Alerts		AjaxWindows	Web Desktop	2		
acebook Applications		Amigo	Facebook Alerts	2		
acebook Chat	~	Aria RSS News Reader	Content Management	1		
Facebook Gaming		Azureus	P2P File Sharing	5		
Properties		BBC iPlayer	IPTV	2		
Adds other software	^	BOINC	Grid Computing	1		
Allows remote control	8	Bebo	Social Networking	2		
Autostarts/Stays		BitComet	P2P File Sharing	5		
Resident		BitTornado	P2P File Sharing	4		
BitTorrent protocol Bundles Software		Blip.tv	IPTV	2		
Captures Software		Blog Link	LinkedIn Applications	1		
Changes browser		Blogger	Content Management	1		
Client/Server		Box.net Files	LinkedIn Applications	1		
Communication		Boxee	IPTV	3		

Over **5,600** applications Over **260,000** social-network widgets Grouped in over **160** categories (including Web 2.0, IM, P2P, Voice & Video, File Share)

http://appwiki.checkpoint.com

World's largest Application Classification Library





Involve end-users using multiple policy actions



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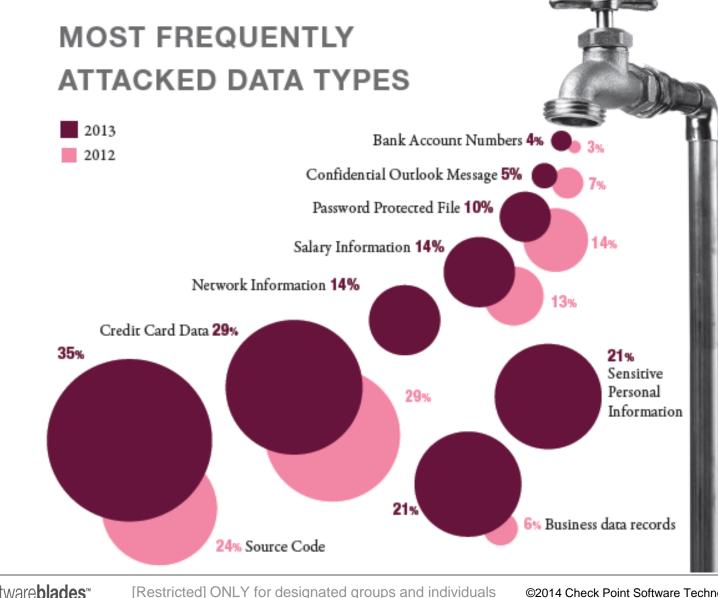
Does your organization need a DLP solution?







Data Loss Events Are Increasing





Check Point Data Loss Prevention



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Introducing Check Point Data Loss Prevention



Check Point Combines Technology and Processes to Make DLP Work



Prevent

Move from detection to prevention

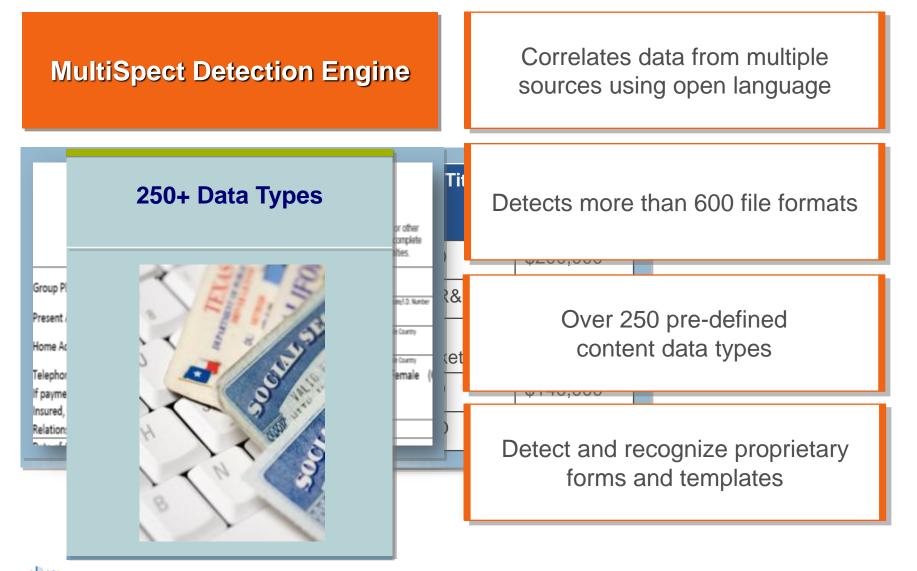
Educate

Users on corporate data policies

Enforce Data loss business processes









Simple Rule-based Policy Management



Easily Define Policy to Detect, Prevent or Ask User

🧟 Overview 💼 Policy		Data Loss Prevention (DLP)											
Enforcing Gateways		New Rule Delete Grouping: Category 🔽 Type to Search 🔍											
My Organization		👻 👻 Data					Destination My Organization * Outside My Org	Action	Exceptions	Track	Install On	Category	
Additional Settings		🔶 📶 🐍 Emp		🖈 Outside My Org				Prevent	None	E Log	★ DLP Blades	Business Inf.Business Inf.	
					ployee Names 👘 My C ployee Email Addres		ly Organization 🔹 Outside My Org		💬 Ask User	None	Log		* DLP Blades
ſ	Data				Source -		Destination		Action	Category		▲ des	🗄 Business Inf.
					-						ides	🗄 Business Inf	
	🚹 Busine	siness Plan			🏢 My Organization		🗙 Outside My Org	💬 Ask User	r 🗄 Business Information 🛛 🗠		ation des	Business Inf.	
					My Organization						des		
	🏡 Credit Card Numbers		🗙 Outside My Org				🔵 Prevent	des					
		des											
					e (2) dit Card Numbers	My Org	ganization	* Outside My Org	Prevent	None	E Log	* DLP Blades	B Compliance
			al	🔒 HIP	AA	My Org	ganization	* Outside My Org	Prevent	None	Log	* DLP Blades	B [®] Compliance
		_ 6	B Per	sonally	Identifiable Inform	ation (2)	2)						
			đ	🏡 Nar	nes and Surnames	My Org	ganization	* Outside My Org	🥎 Detect	None	Log	* DLP Blades	🔠 Personally I
			a	🔒 Ger	ieral Personal Data	My Org	ganization	* Outside My Org	💎 Detect	None	Log	* DLP Blades	🔠 Personally I



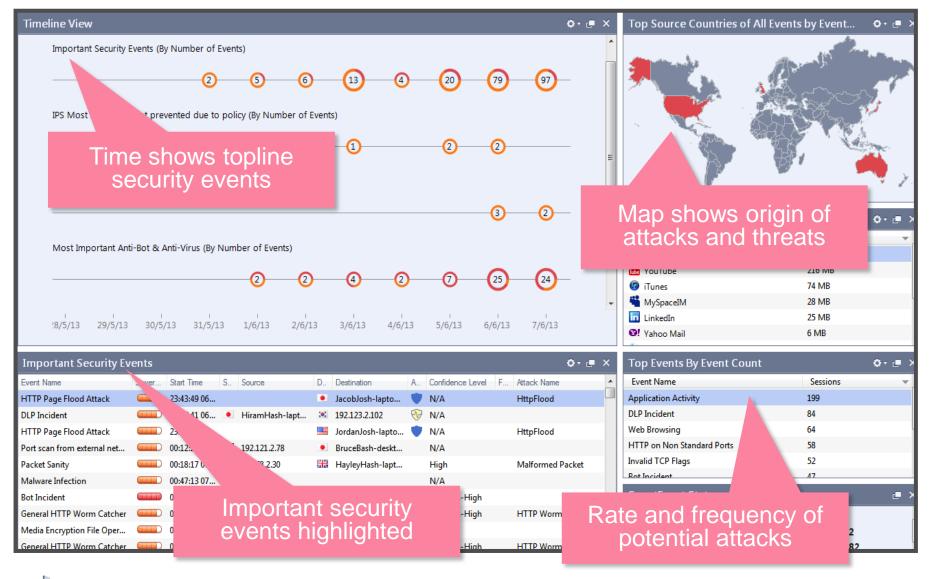
Thousands of security logs... What about visibility?



The need for 360° visibility



360° Visibility of Network Security

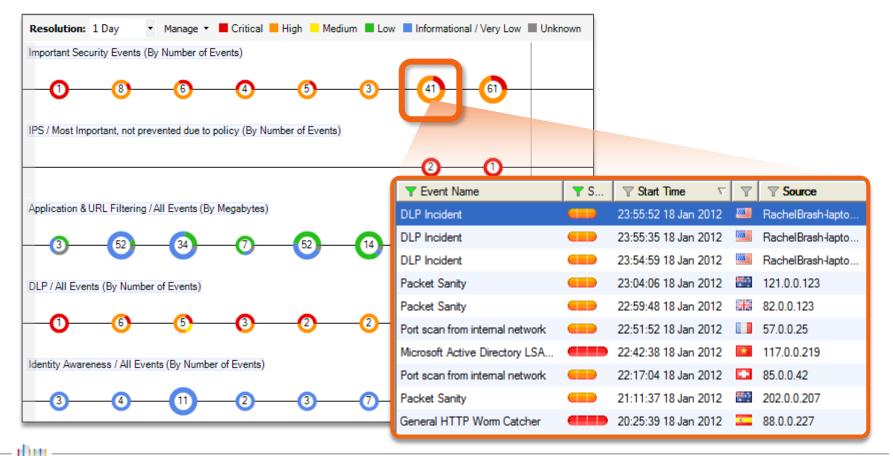




Consolidated Visibility: SmartEvent



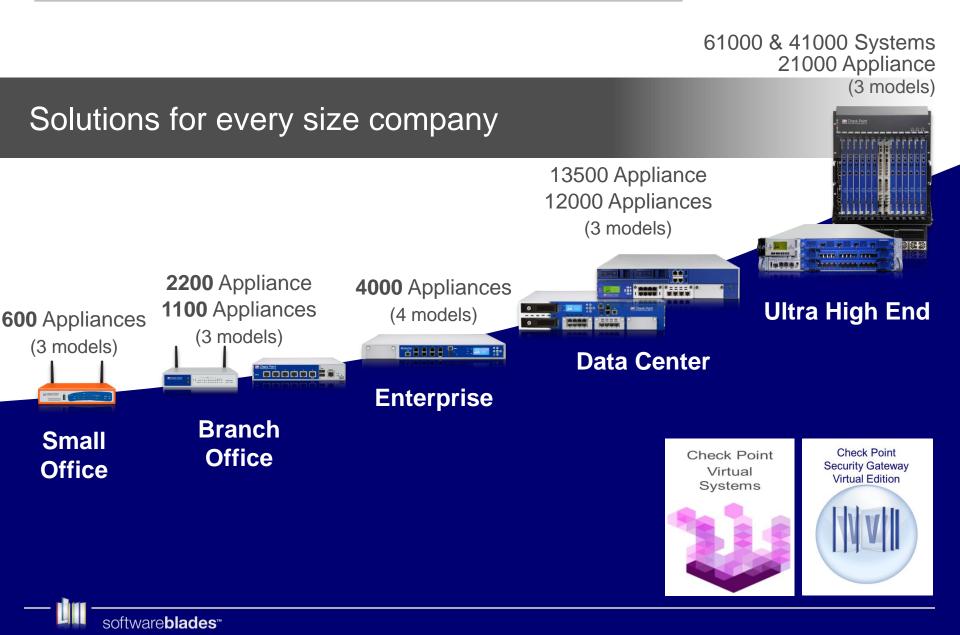
- Unified event analysis with 360° visibility across Software Blades
- High-level view with drill down to policy



Check Point appliances: A solution for every size organizations

Check Point Appliances and Virtual Editions







What about mobile devices?

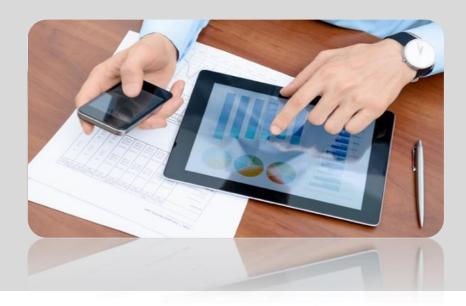
Customers need to have the same security for off-network devices as they do on-premise.

Check Point Cloud Firewall Service





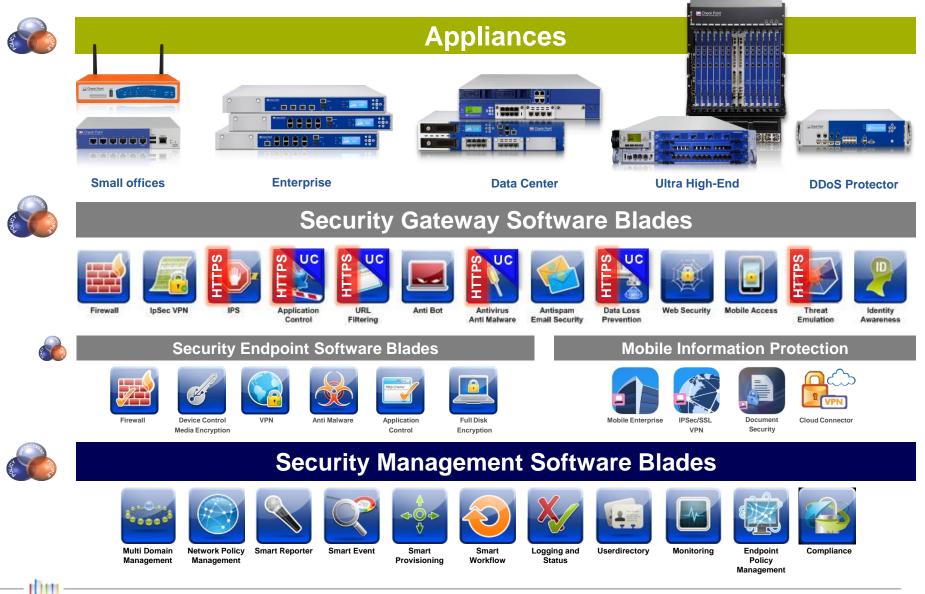
Cloud-based security for ALL roaming devices





Check Point: All-In-One WrapUp





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THANK YOU

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