

A multi-layer approach to cyber-security

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Security Engineer

SOFTWARE-DEFINED **PROTECTION**

JOIN THE SECURITY REVOLUTION

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TECHNOLOGY IS EVERYWHERE



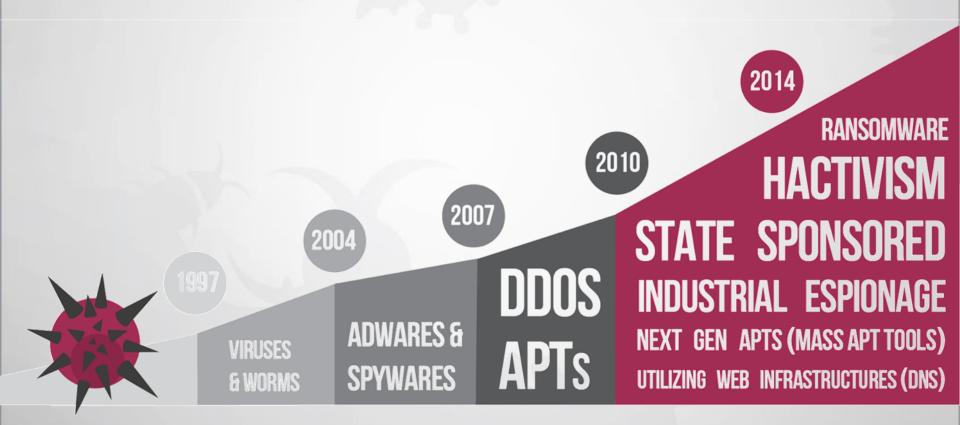
The Internet of things **BRINGS WITH IT NEW** challenges





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BUT SO ARE THREATS





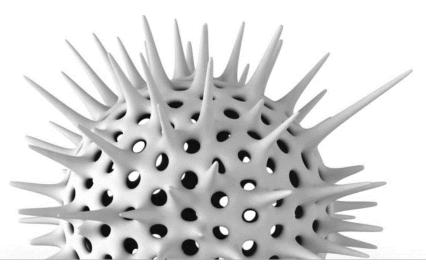
Threat Evolvement...

Traditional threats

Simple and repeatable Mass-market Opportunistic

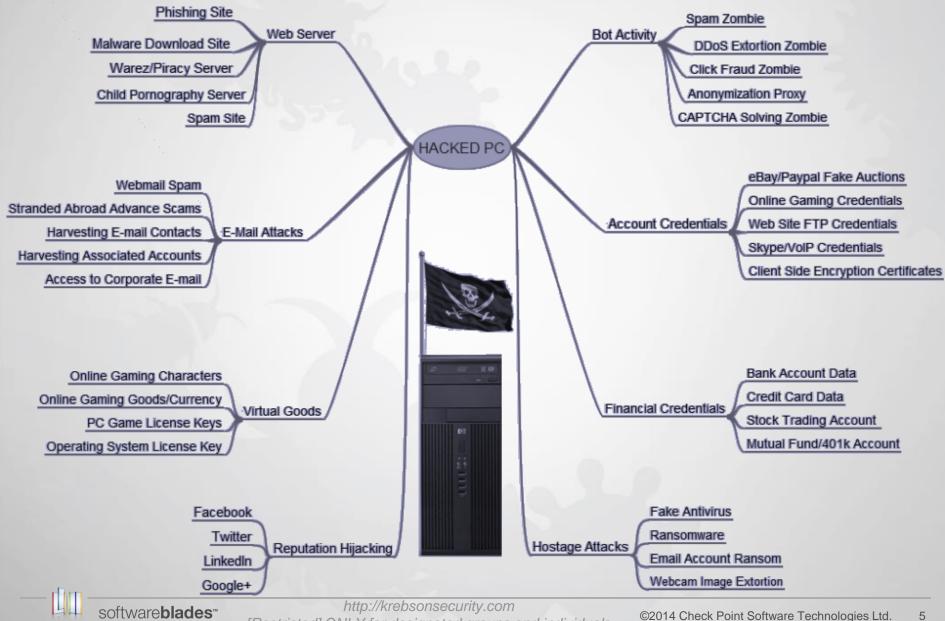
Modern attacks

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





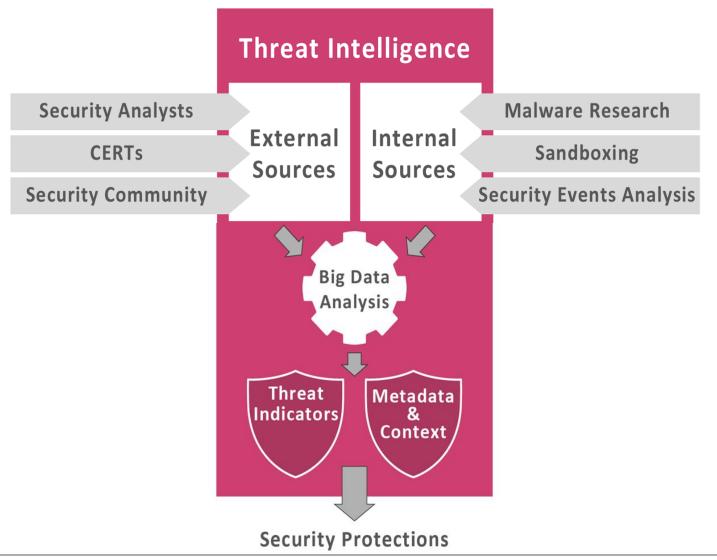
Check Point Threat Prevention



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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











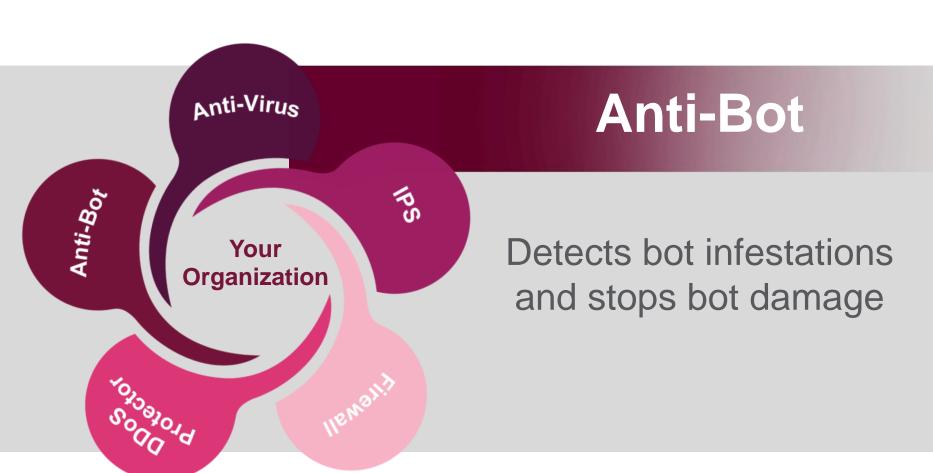






Anti-Virus

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?



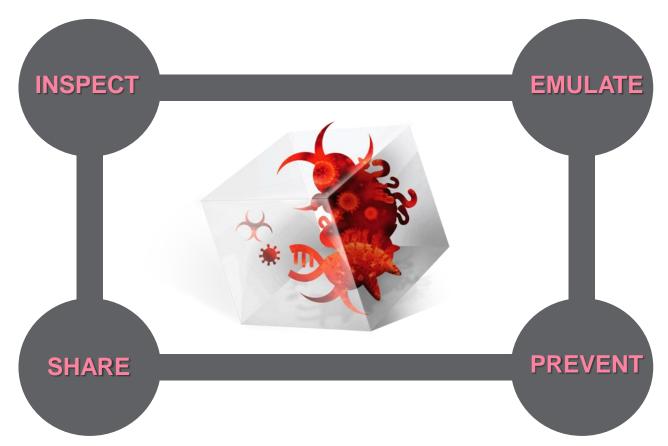
Introducing Threat Emulation







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

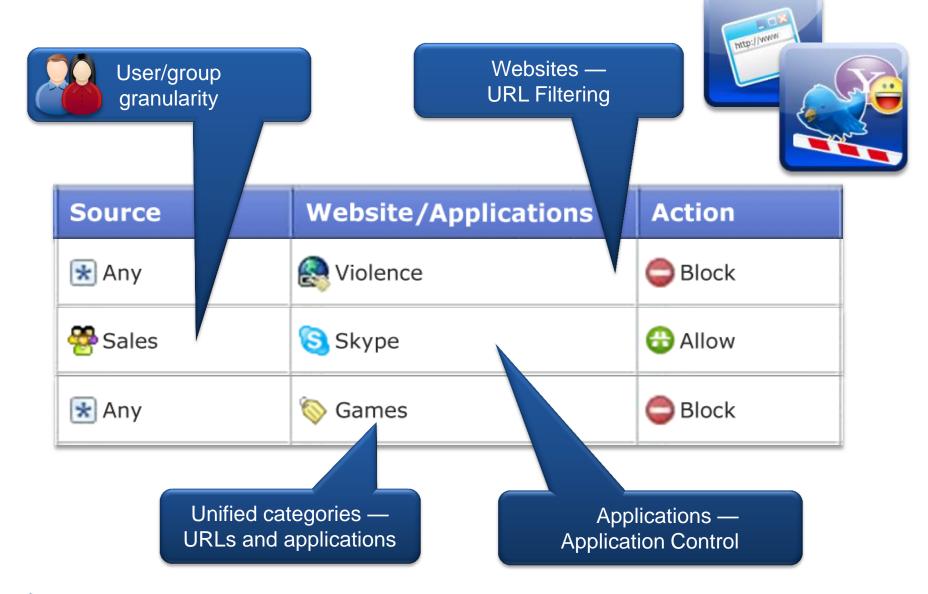




Unified Control Needed !

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



softwareblades"

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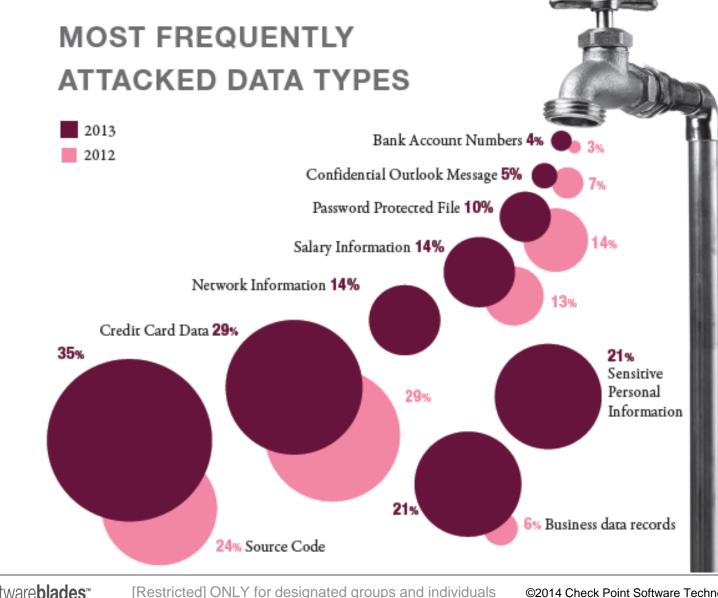
Does your organization need a DLP solution?







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

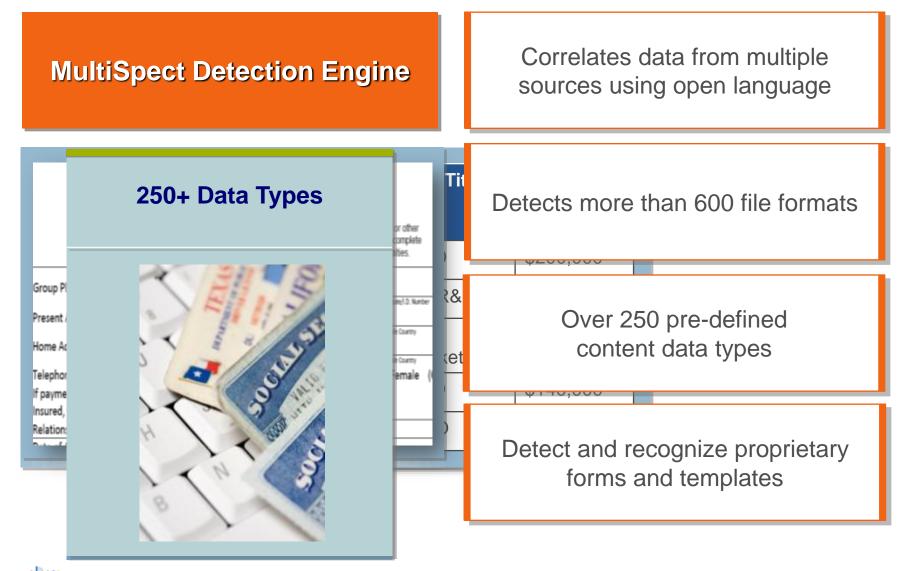
Educate

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 |



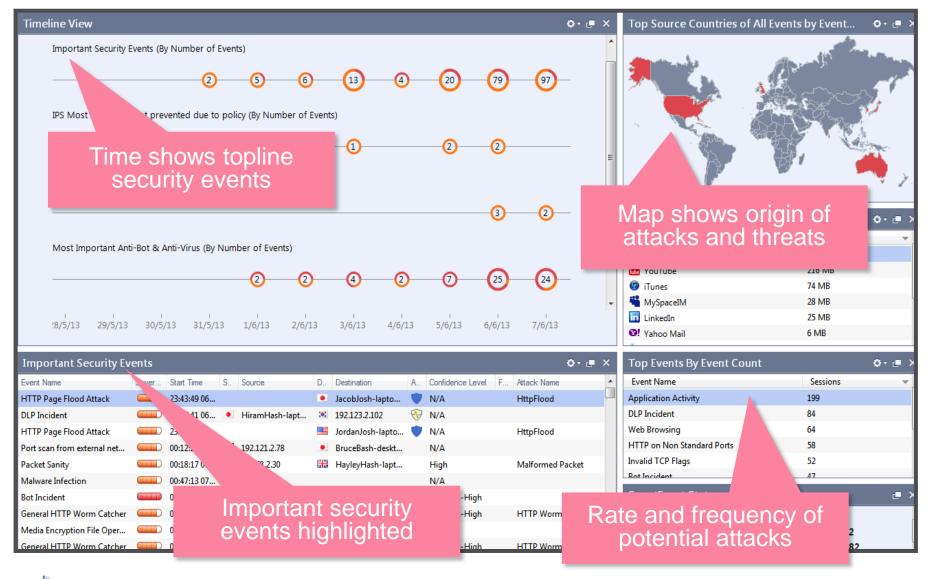
Thousands of security logs... What about visibility?



The need for 360° visibility



360° Visibility of Network Security

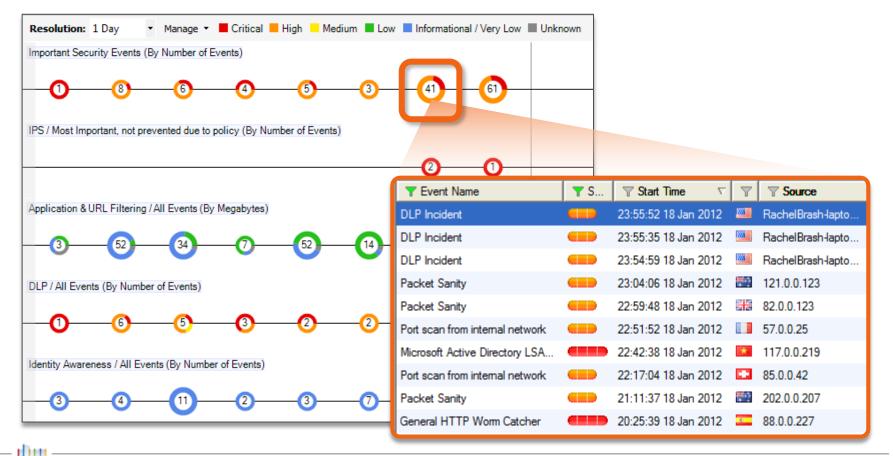




Consolidated Visibility: SmartEvent



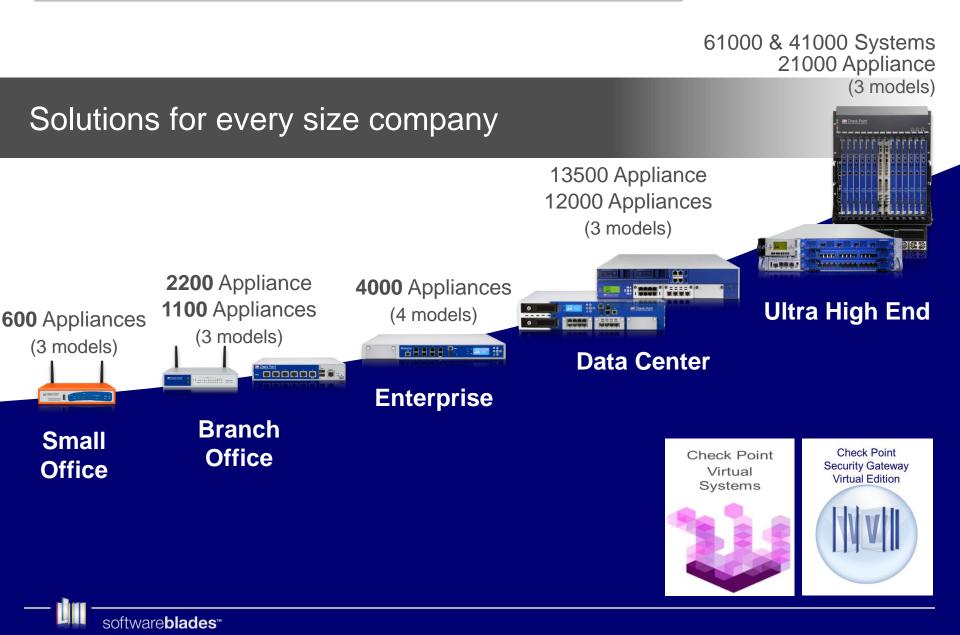
- Unified event analysis with 360° visibility across Software Blades
- High-level view with drill down to policy



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





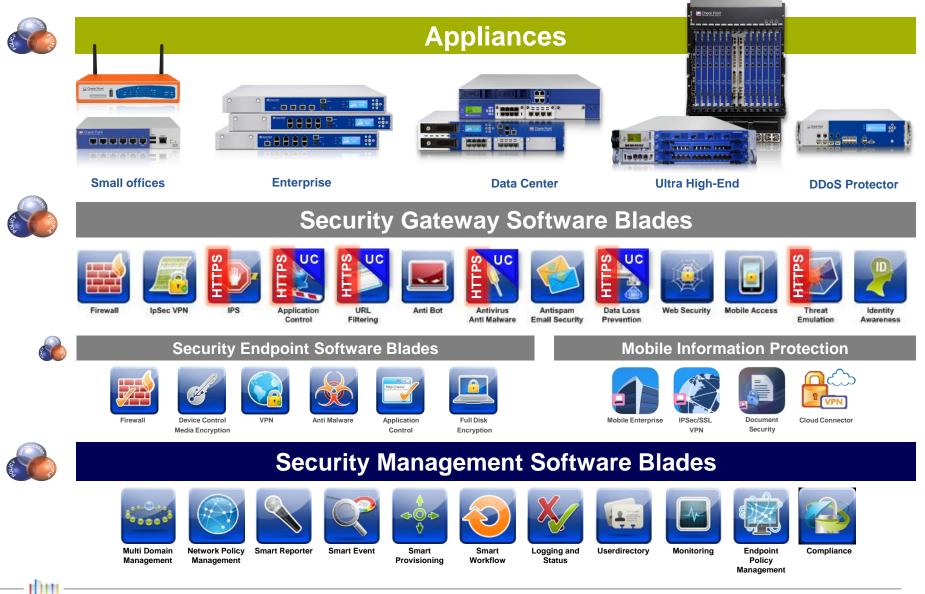
Cloud-based security for ALL roaming devices





Check Point: All-In-One WrapUp





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THANK YOU

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