

Defining Your Security Blueprint

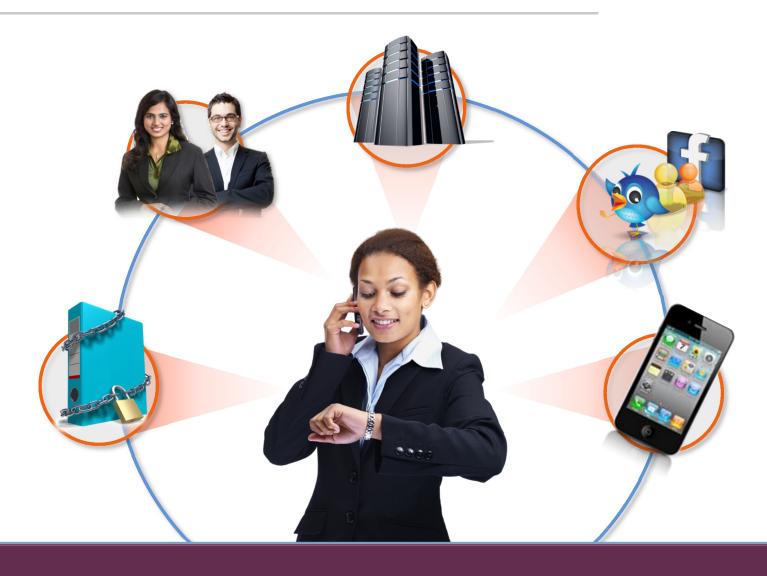


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Technical Manager, Southeast Asia

Dynamic Environment, New Challenges





We live in a VERY dynamic environment, IT needs to enable & support it



Check Point Global Presence







AUDIENCES





Check Point Global Presence







Check Point Global Audiences







AUDIENCES







Check Point Global Audiences







AUDIENCES







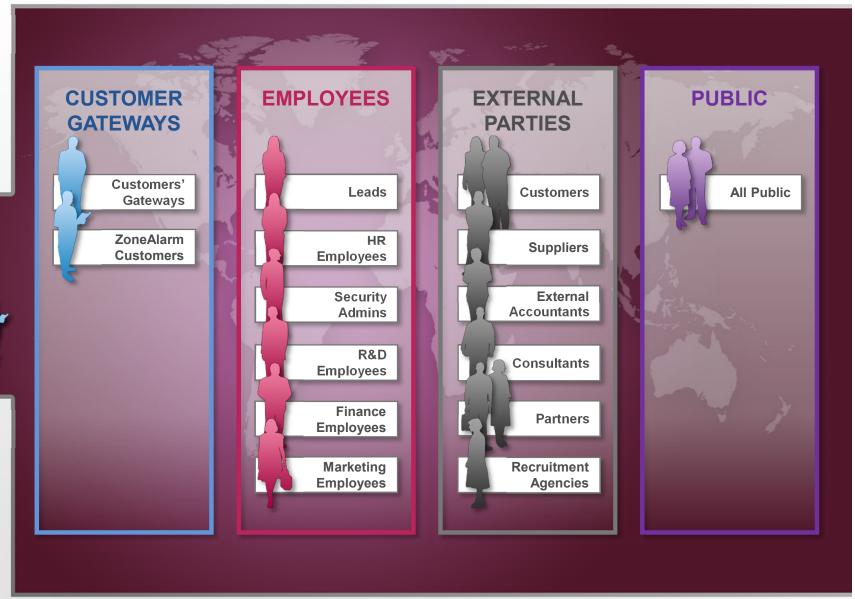
Check Point Global Audiences













Check Point Global Applications





Check Point Global Applications







Check Point Global Applications

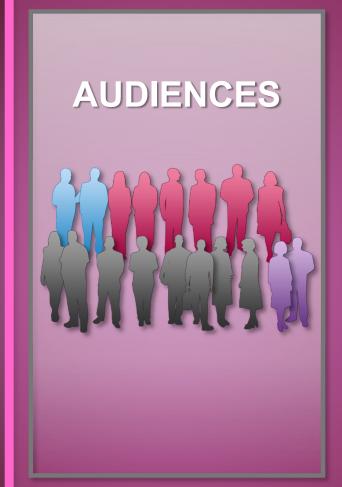














Define Network Zones & Policy



DMZ

Zone populated with Public Systems.

SSA

Zone populated with Internal systems that contain or access confidential data.

Remote Employees

INTERNAL

Zone populated with Internal systems that contain sensitive data

DEPART-MENTAL

Zone populated with Internal systems that contain highly restricted data

All Public



Zone Alarm Store



Sales Systems



Internal &

Exchange



Business Warehouse



Internal

Employees

Perf. Review



R&D Systems



Employees

R&D

R&D Project Mgmt.



WWW

Public

Site

Customer Portal



Support Center



Wiki



Call Center



Time Attendance

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DEPART-MENTAL

Zone populated with Internal systems that contain highly restricted data

- Any User can reach the DMZ zone
- Only corporate users can reach the SSA zone from internal networks or through VPN
- Only corporate users can reach the Internal zone from internal networks only
- Only specific users can reach the corresponding Departmental zone

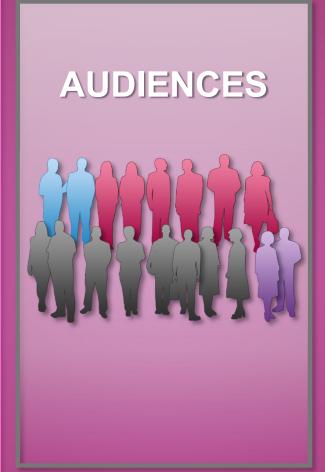
Any other access is considered an exception and must be approved



Policy





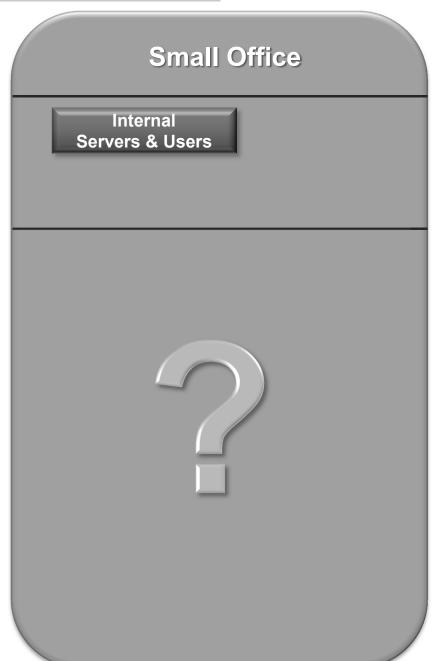




Define Modular Packages







We Will Focus on the 3 Main Risks

CHECK POINT 2013
SECURITY REPORT
JANUARY 2013

Threats to the organization

Risky enterprise applications

Data loss incidents

63%

infected with bots

47%

used anonymizers

54%

had a data loss event







Adopt a multi-layer protection



Firewall

VPN

URLF

Full Disk Encryption

IPS

Application control

Policy Management

Mobile

Anti-Spam

Anti-Bot

Compliance

Anti-Virus

Media Encryption



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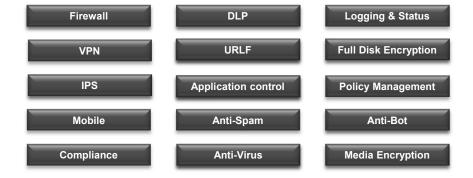
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Adopt a multi-layer protection





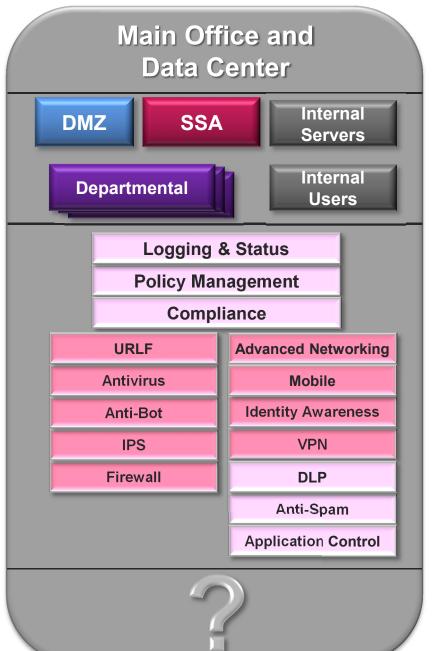


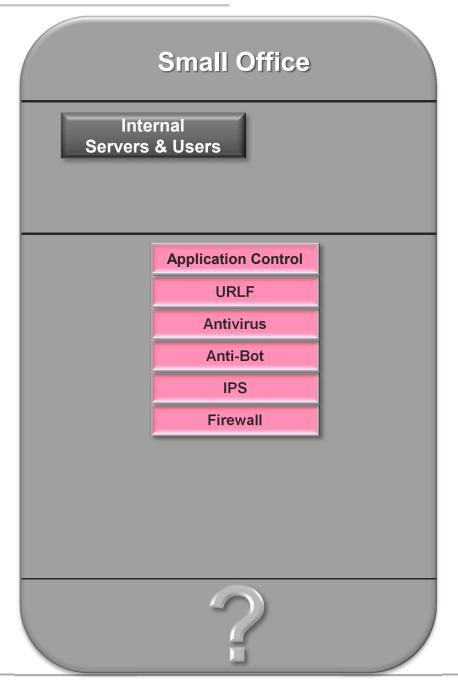




Define Modular Packages



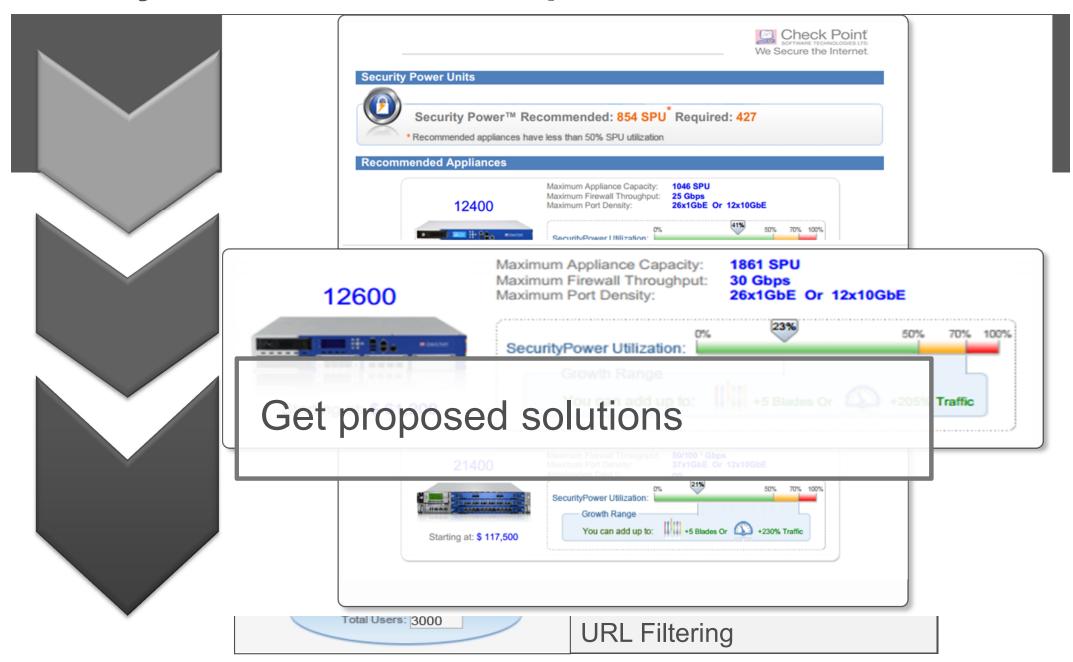






Analyze Performance Requirements

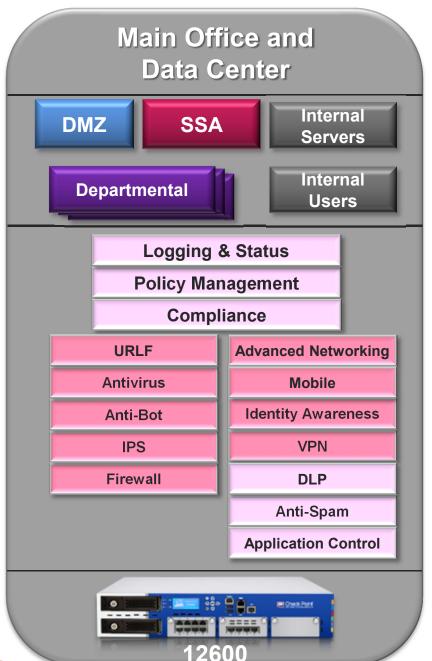


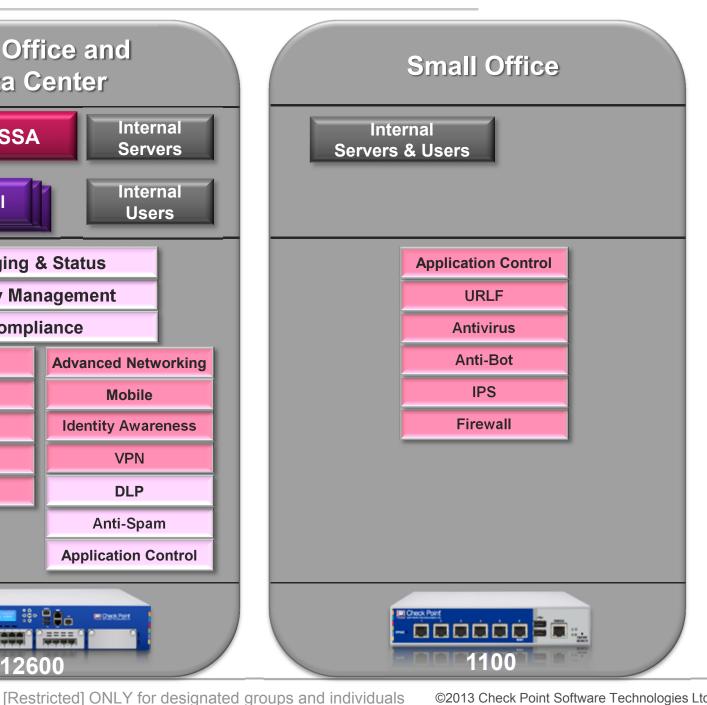




Define Modular Packages









Apply Policy for Your Main Risks









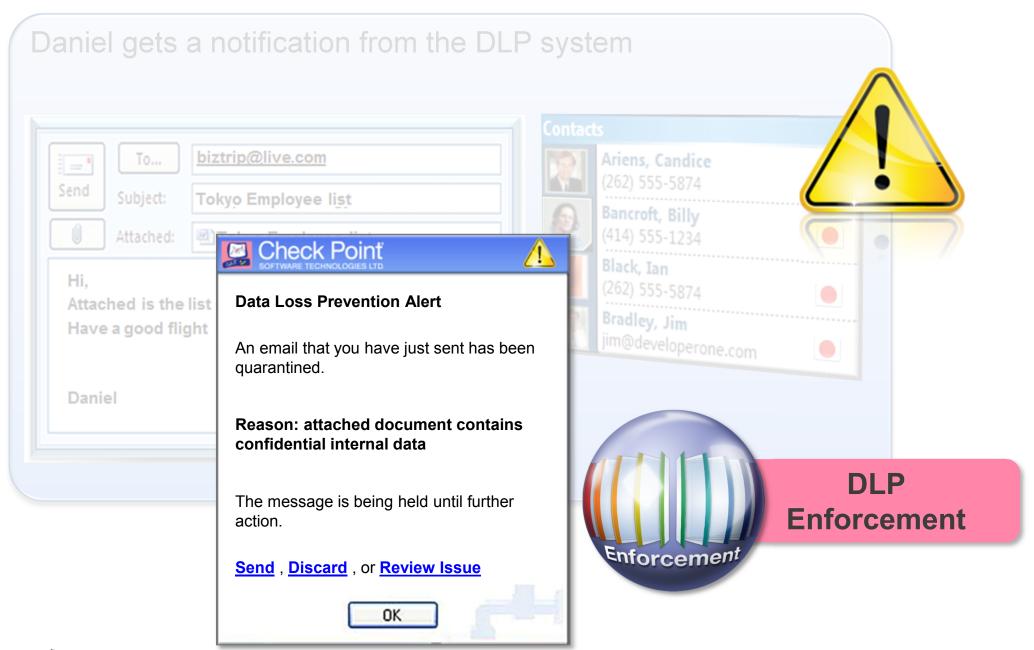
Case 1: Provoked Leakage





Case 1: Leakage Prevention







DLP Policy Definition



Personal \ Public

Non confidential or personal information that has non or positive effect on the company

Confidential

Important information that has limited impact on the company

Restricted \ **Highly Restricted**

Sensitive or highly sensitive information that may compromise the company

- Sending out data classified as Personal or Public is allowed
- Sending out data classified as Restricted, Highly Restricted or Confidential is not allowed.

Exceptions are approved by the employee using User Check.



Policy

DLP Policy Implementation





Data Type

Action

Our business information: Customers, contracts, etc

ASK USER

Source code

ASK USER

Financial data, Intellectual property

ASK USER

Personal employee data

ASK USER

Special documents

BLOCK



DLP Incident Statistics



Average monthly events

• ASK USER: ~2,700

• BLOCK: ~7

ASK USER per employee

~1

ASK USER feedback distribution

• Sent: 85%

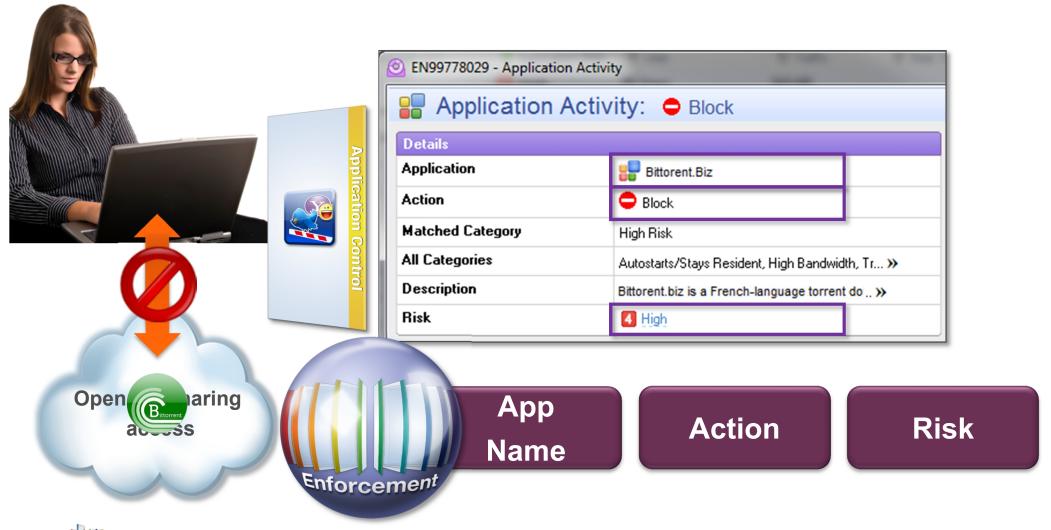
Don't send: 15%



Case 2: Exposure Prevention



BitTorrent detected on one of the lab machines which was connected to the internal network



App Wiki—Applications Library







Application Control Policy Definition



Low Risk

Applications from the following categories: Business applications, Mobile software, Social networking,...

Medium Risk

Application from the following categories: Browser plugins, Personal mail, VoIP,...

High Risk

Application from the following categories: File storage & sharing, P2P file Sharing, Remote administration,...

- Usage of Low Risk and Medium Risk applications is allowed
- Usage of High Risk applications is **not allowed**

Exceptions are approved by the employee using User Check.



Policy

Application Control Implementation



Application Type Enforcement	Action
Critical or high risk	Block
Anonymizer, P2P file sharing, botnets, etc.	Block
Department special need (e.g., hacker sites)	Ask User
Medium risk	Monitor

Application Control Statistics



Monthly events: 20,000

Number of users: 600

Top block applications \ protocols

- Dropbox 52%
- Sugarsync. 43%
- BitTorrent 2%

[Restricted] ONLY for designated groups and individuals

Lync (Microsoft Chat tool) — 2%

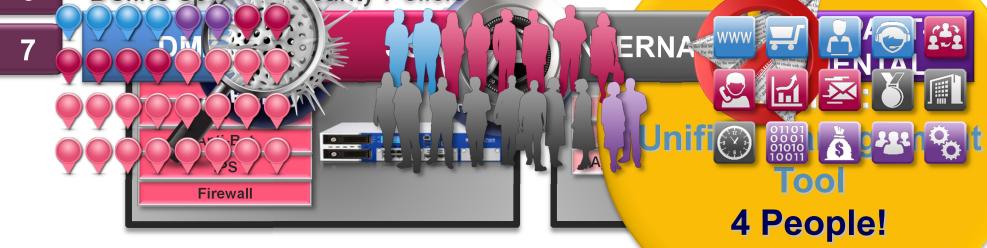
Top 4 covers ~90% of the cases



Defining Your Security Blueprint



- 1 Identify your environment
- 2 Define your security zones
- Identify main threats & protections
- 4 Analyze performance requirements
- 5 Define rodular packages
- 6 Define specurity Policies



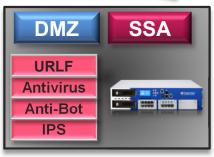


Summary





My needs are **customers**' **needs**; my security solutions are **customers**' **solutions**



Build security modular packages, adopting a **multi-layer** protection:

- Be a business enabler



Analyze your data to improve your security



Easy to manage with Software Blades



Thank You

