



Check Point DDoS Protector Simple and Easy Mitigation



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DDoS Protector



- 1 (D)DoS Attacks
- 2 DDoS Protector
- 3 Behavioral DoS Protection
- 4 Summary

What is an DoS Attack?



Denial-of-Service attack (DoS attack) an attempt to make a machine or network resource unavailable to its intended users.



Distributed Denial-of-service attack (DDoS) is coordinated and simultaneously launched from multiple sources

(D)DoS Attack Methods and Tools



Attacks can be partitioned into three dimensions





Consuming bandwidth resources



Application flood DoS attacks

Target the application resources



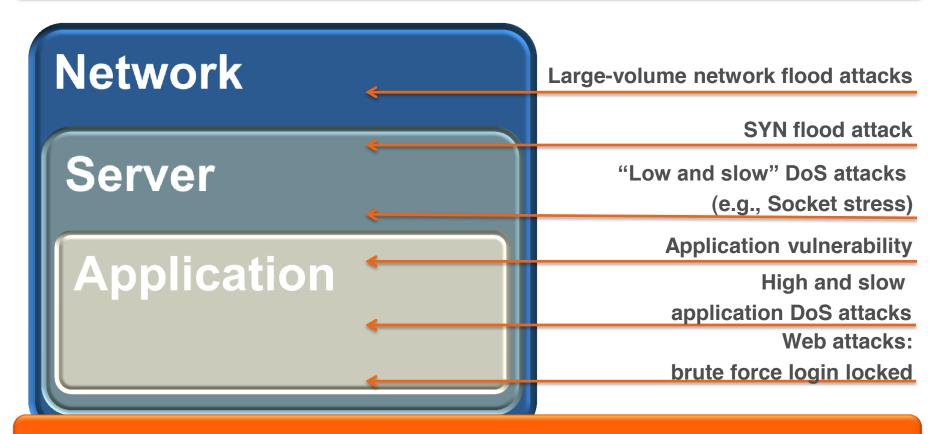
Directed application DoS attacks

Exploit application implementation weaknesses

Attackers Use Multi-Layer DDoS



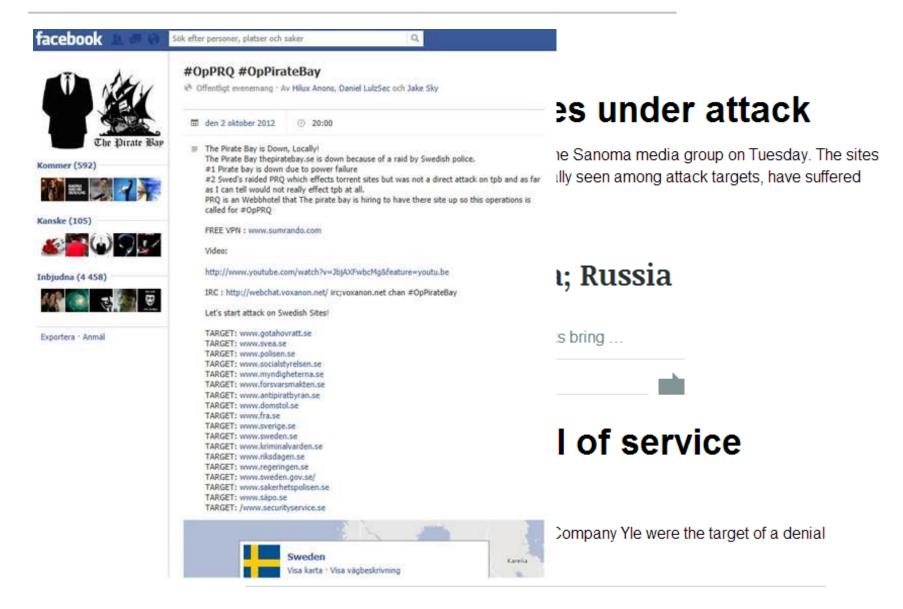
Simultaneous Attack Vectors



1 successful attack vector = No service

Is there any attacks?

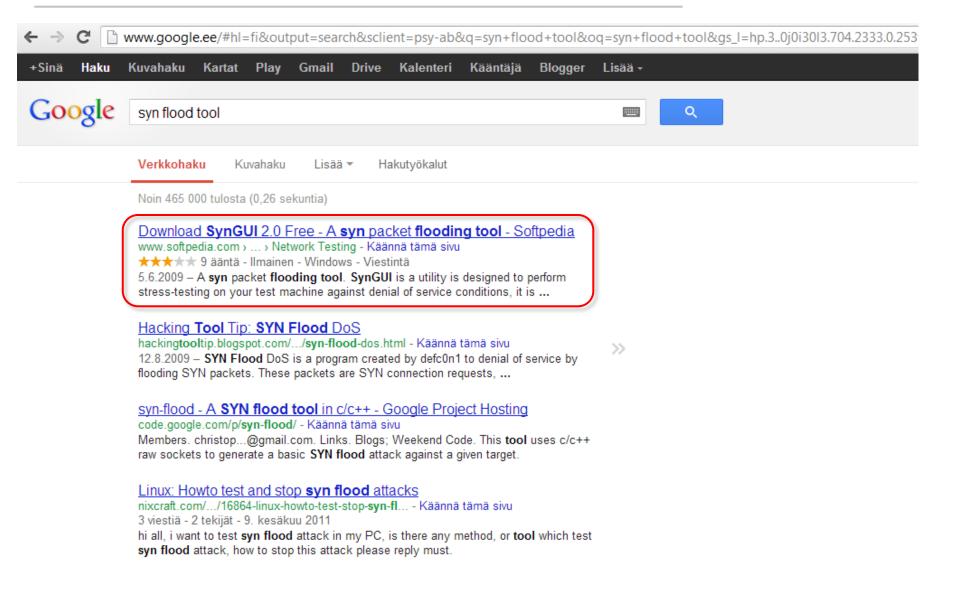






Is there any tools available?

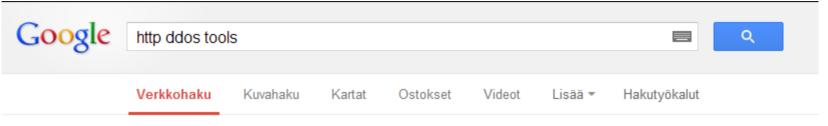






Going for layer 7





Noin 5 870 000 tulosta (0,24 sekuntia)

HULK DDoS Tool Smash Web Server, Server Fall Down | threatpost

threatpost.com > Home > Web Security - Välimuistissa - Käännä tämä sivu 18.5.2012 - The HULK (HTTP Unbearable Load King) DDoS tool is somewhat different from others of its ilk in that it doesn't simply hammer a server with a ...

OWASP HTTP Post Tool - OWASP

https://www.owasp.org/index.../OWASP_HTTP_Post_T... - Välimuistissa 2.8.2012 – This QA tool was created to allow you to test your web applications to test availability concerns from Layer7 DoS HTTP GET and HTTP POST ...

Anonymous BR - Tutorial Http DDoS Tools - YouTube



www.youtube.com/watch?v=jl9bwoj6cb0 17.3.2012 - Lataaja: Anonymousbrazilian

Totorial by: [Hook] Forum: http://www.anonymous.cn.pn Download the program at the Forum Messenger Group ...

UNCUBE DDOS TOOL + Secure [Mediafire | HD | Download ...



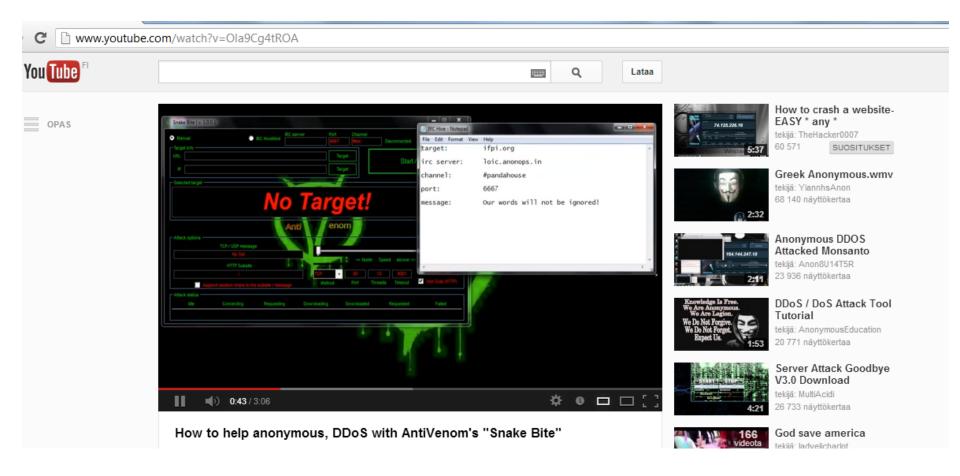
www.youtube.com/watch?v=DQlqz0r-9gl 16.4.2012 - Lataaja: indegoification

Download: http://obx32y.1fichier.com/en/ Warning AVG users may habe ... UNCUBE DDOS TOOL + ...



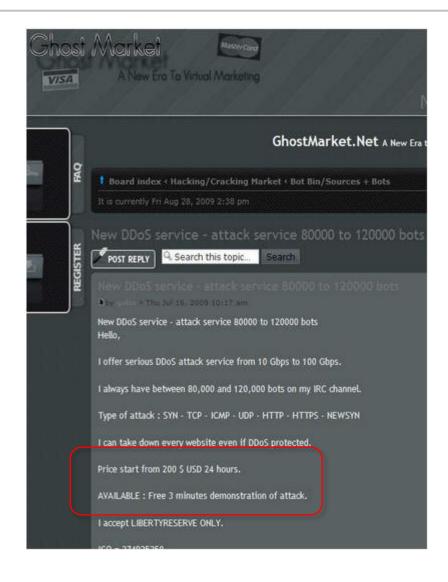
It's easy to learn and use!





Don't do it Your self – rent it.





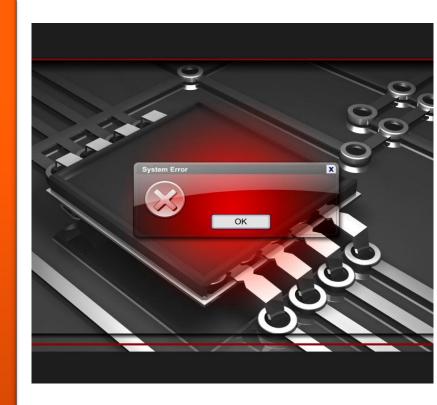


Traditional Firewalls Not Sufficient



Not Designed for Network and Application DDoS Protection

- Basic rate based flood protection affects all traffic (Real users and attack traffic)
- Lacks Comprehensive Layer 7
 DDoS protection
 - Poor detection of sly attacks
 - No filters to block attacks and allow real traffic
 - Administrators cannot create custom signatures







Introducing Check Point Check Point DDoS Protector™





Block Denial of Service Attacks within seconds!

Product Information



DP x06 Series

DP x412 Series

	Grand Print				Check Print		
Model	DP 506	DP 1006	DP 2006	DP 3006	DP 4412	DP 8412	DP 12412
Capacity	0.5Gbps	1Gbps	2Gbps	3Gbps	4GBps	8Gbps	12Gbps
Max Concurrent Sessions	2 Million				4 Million		
Max DDoS Flood Attack Protection Rate	1 Million packets per second				10 Million packets per second		
Latency	<60 micro seconds						
Real-time signatures	Detect and protect against attacks in less than 18 seconds						

Where to Protect Against DDoS

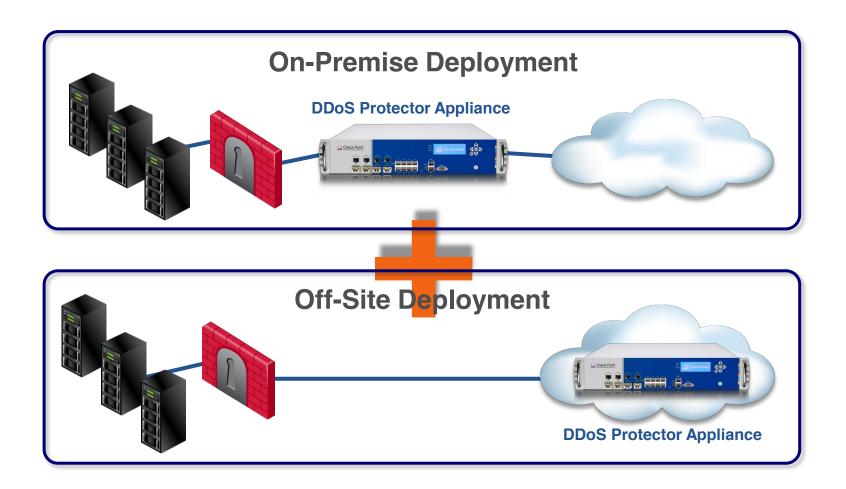


Scenarios:



2

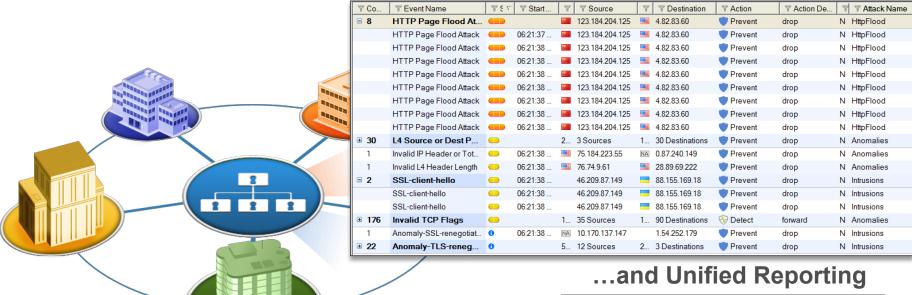
3



Integrated Security Management



Unified Logs and Monitoring



Leverage SmartView Tracker, SmartLog and SmartEvent for historic and real-time security status

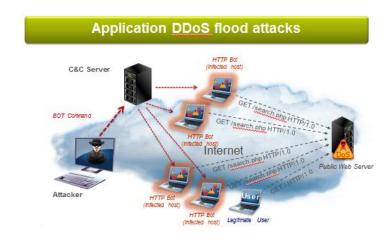


DDoS Protector Logs



- For attacks with multiple sources / destinations.
 - the DDoS Protector appliance sends several logs to describe the attack
 - With status: start, ongoing, completed
 - And other logs with samples for source / destination (with status: sampled).



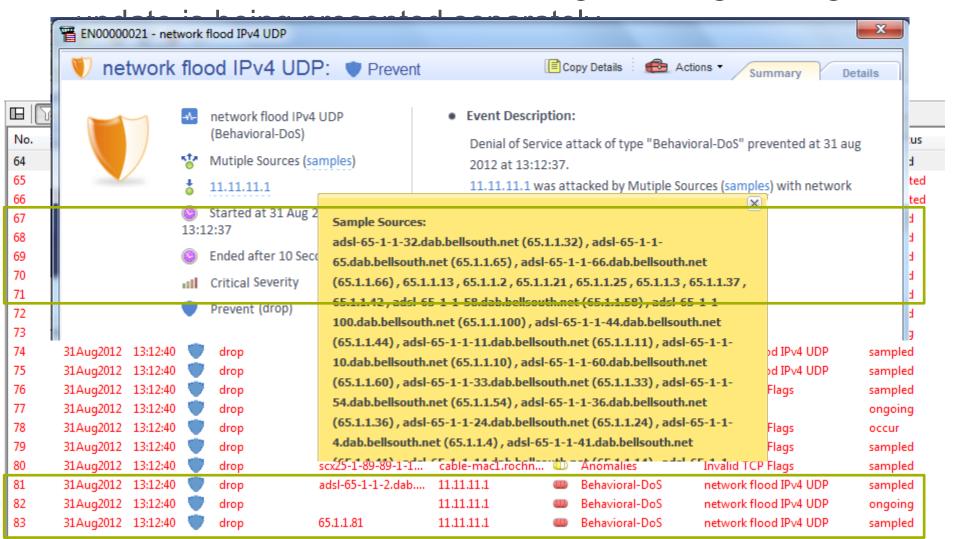




DDoS Protector Integration



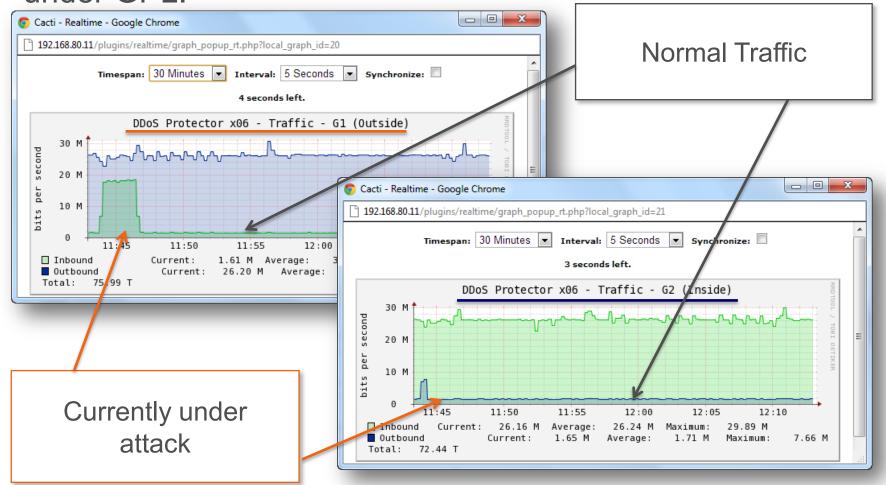
In SmartView Tracker and SmartLog, each log and log



Real time monitoring with SNMP



This realtime monitoring is achived with CactiEZ delivered under GPL.



DDos Protector



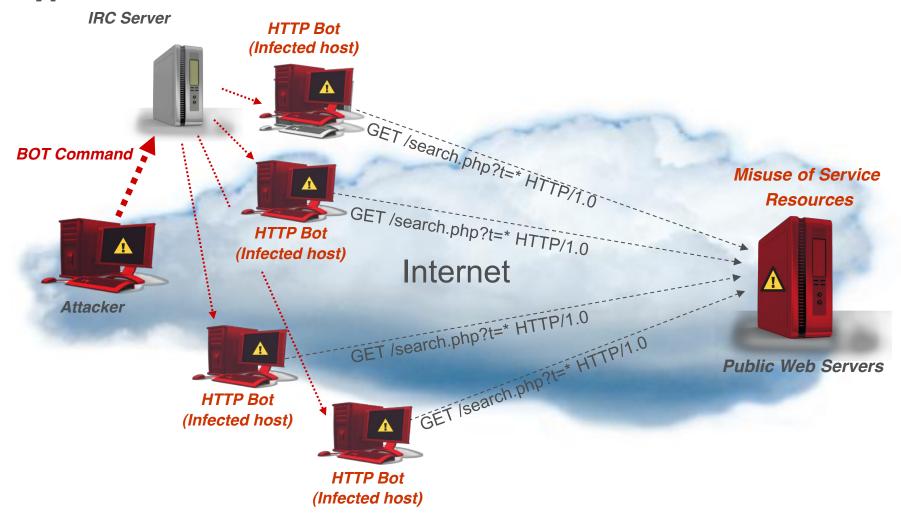
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HTTP Flood Scenarios



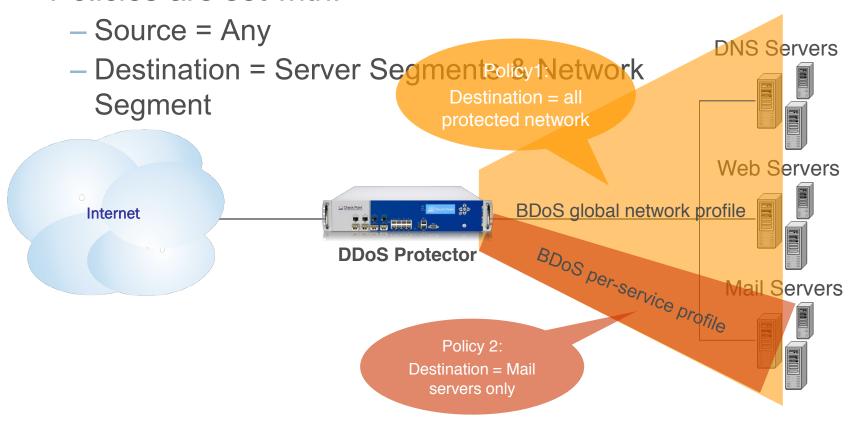
Typical Distributed Attack





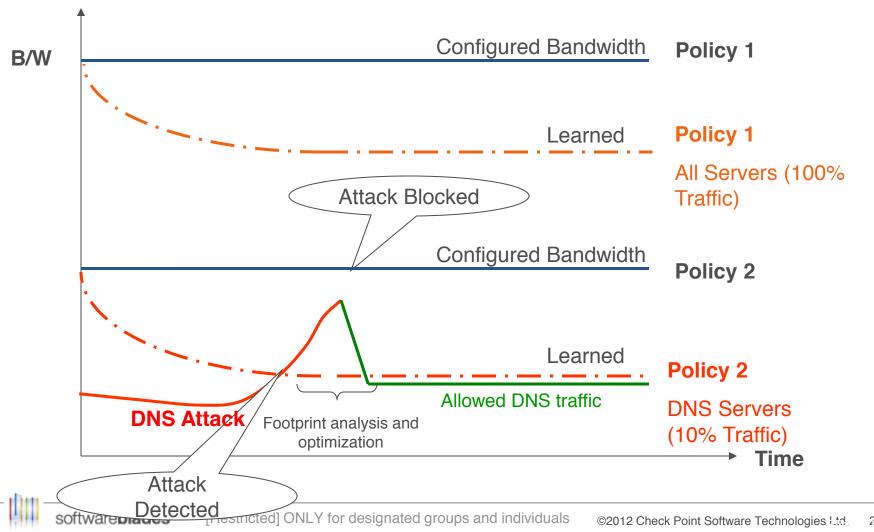


- Protect Network & Servers from DDoS
- Policies are set with:



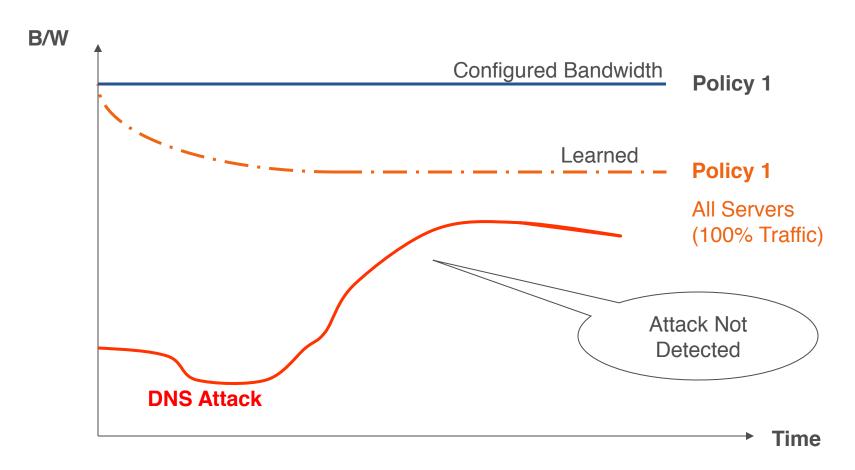


Attack Mitigation per Network Policy





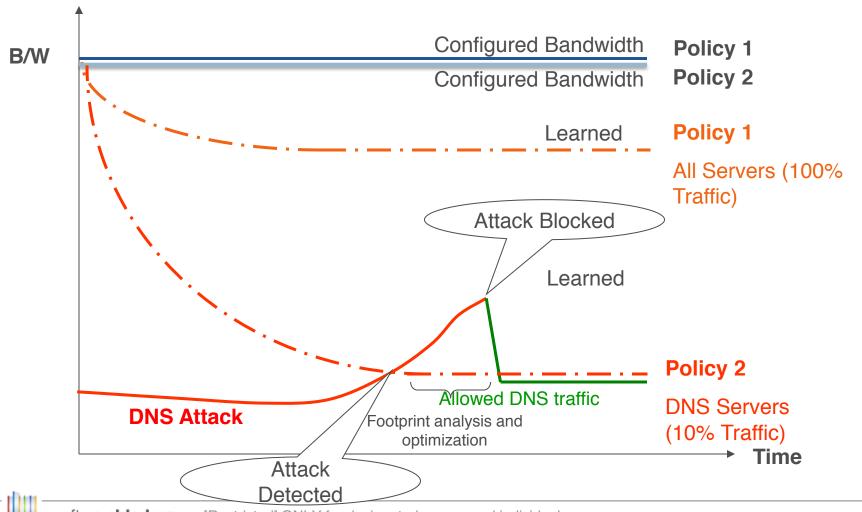
Global Policy: Low Attack Detection Sensitivity







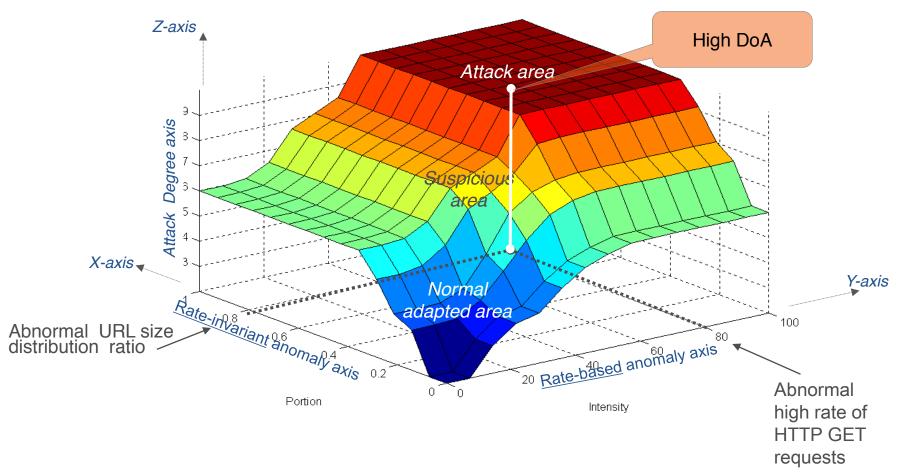
Unknown bandwidth per policy



Adaptive Decision Engine



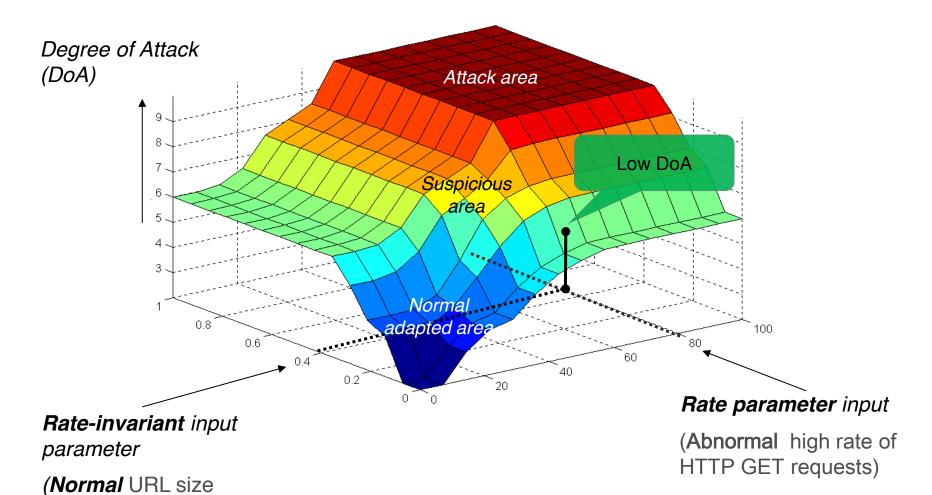
HTTP Flood



Adaptive Detection Engine



Flash crowd scenario

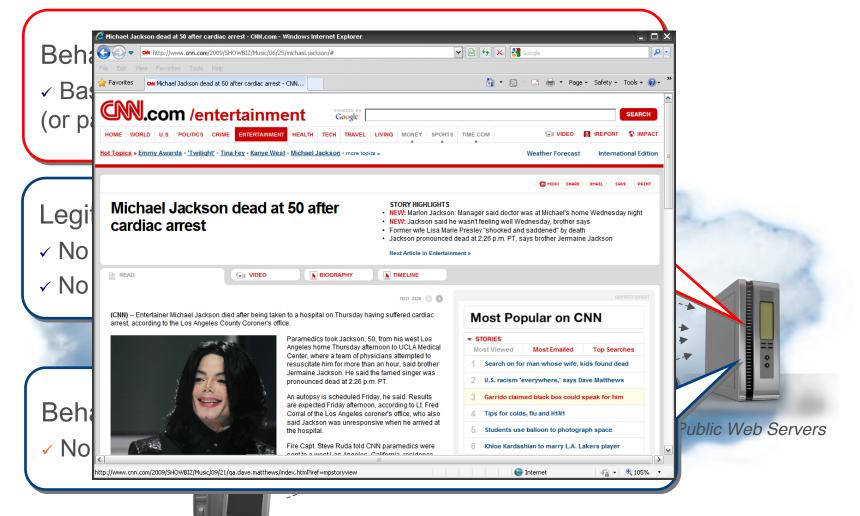


distribution ratio)

Adaptive Detection Engine Resistance to False Positive



Case: Flash Crowd Access

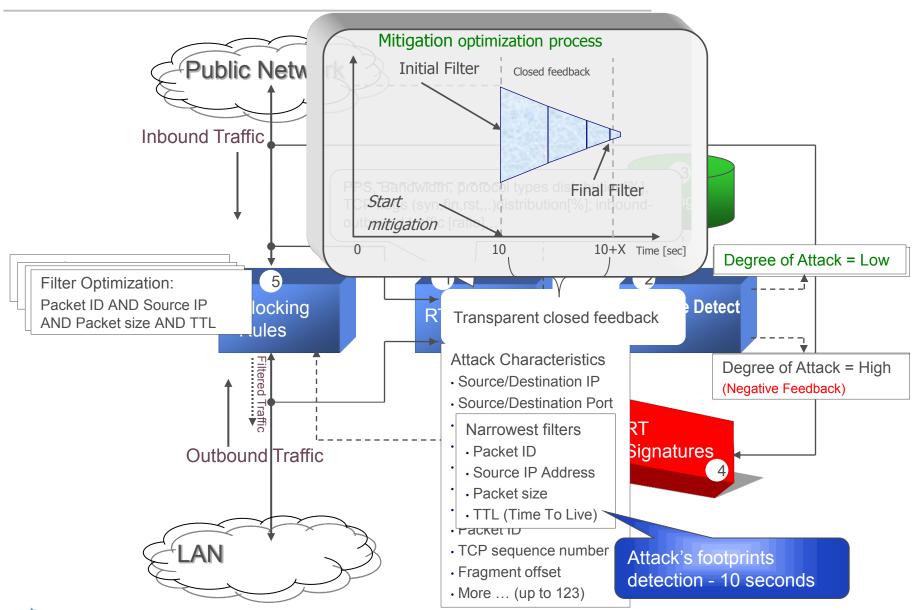




Legitimate User

Statistical Getalytican







Flexible Deployment Options



Ready to Protect in Minutes

Fits to Existing Network Topology

Learning Mode Deployment

Low Maintenance and Support



Emergency Response and Support



Emergency Response Team

- Help from security experts when under DoS attacks
- Leverage experience gathered from real-life attacks

Check Point customer support

- World-class support infrastructure
- Always-on support 7x24
- Flexible service options







Blocks DDoS Attacks Within Seconds

Customized multi-layered DDoS protection

Ready to protect in minutes

Integrated with Check Point Security Management

