CHUONG 5 NEXT GENERATION IPS

Content

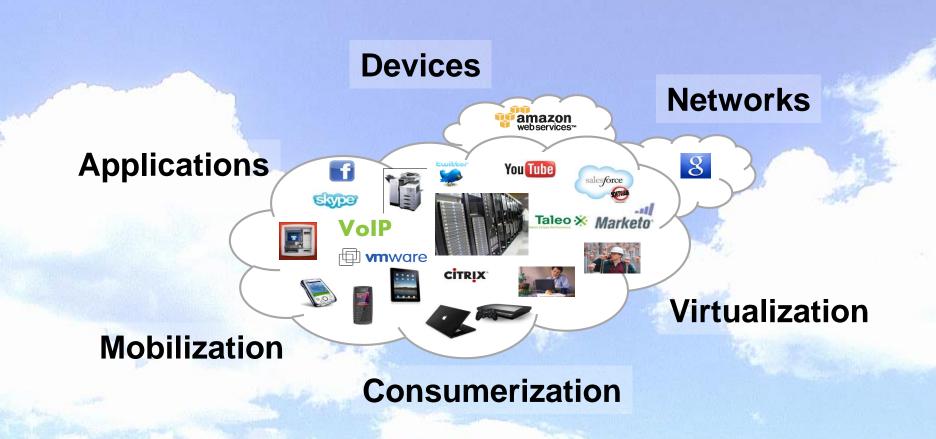
duyn@uit.edu.vn

- Agile Security
- Next Gen IPS?
- How to deploy NG-IPS?

10/2/2021

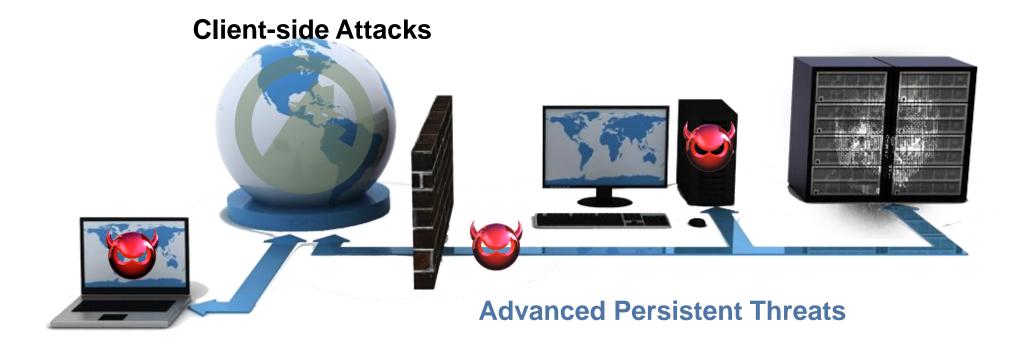
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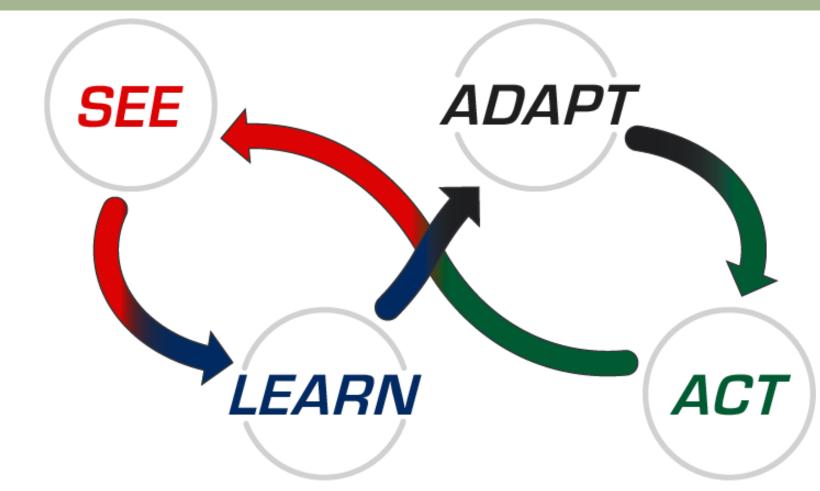


Threats are Increasingly Complex

Targeted | Organized | Relentless | Innovative



Agile Security



...a continuous process to respond to continuous change.

You Can't Protect What You Can't See

Breadth: who, what, where, when

Depth: as much detail as you need

Real-time data

See everything in one place



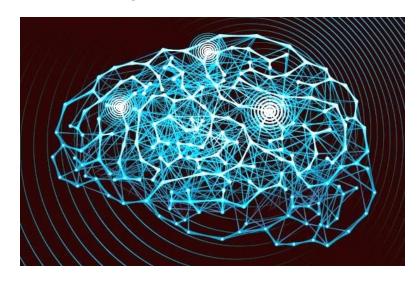


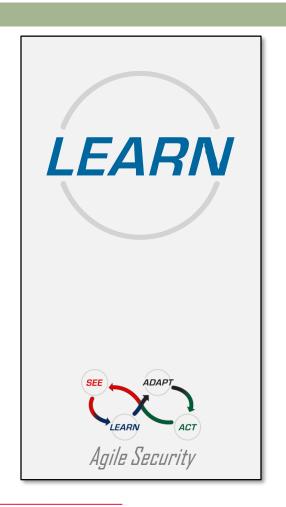
Sourcefire provides information superiority

Leverage Awareness For Knowledge

Gain insight into the reality of your IT and security posture

Get smarter by applying intelligence Correlate, prioritize, decide





Collective intelligence elevates overall defense

Change is Constant

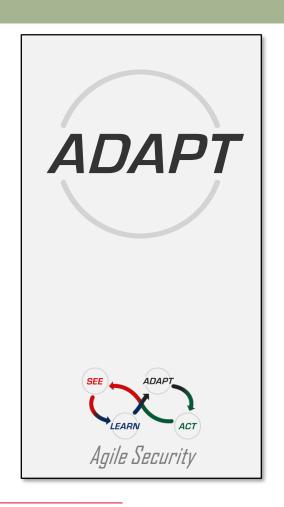
Automatically optimize defenses

Lock down your network to policy

Leverage open architecture

Configure custom fit security





Sourcefire invented Customized security & self-tuning

Act Decisively & Efficiently

Block, alert, log, modify, quarantine, remediate
Respond via automation
Reduce the 'noise'









Superior protection through intelligence & automation

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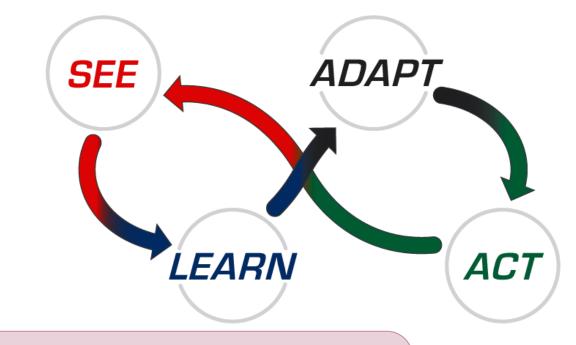
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Next-Gen IPS (NGIPS)

- Standard first-gen IPS
- Application awareness
- Content awareness
- Full-stack visibility
- Context awareness



Gartner

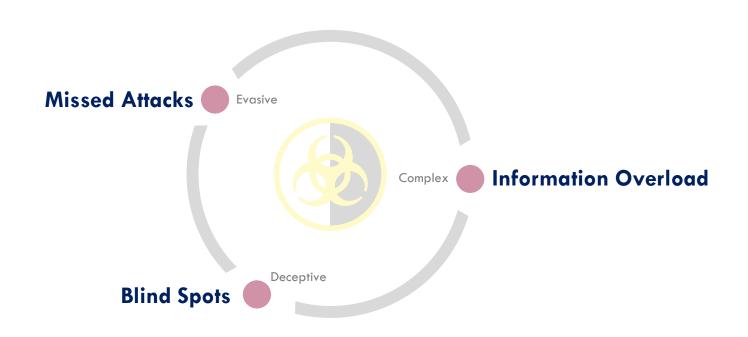
Next Generation IPS

"Next-generation network IPS will be incorporated within a next-generation firewall, but <u>most next-generation firewall</u> <u>products currently include first-generation IPS capabilities."</u>

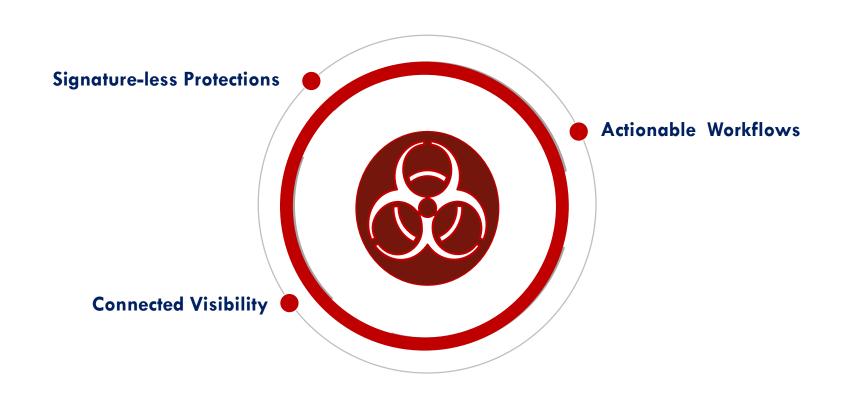
Source: "Defining Next-Generation Network Intrusion Prevention," Gartner, October 7, 2011.

"Defining the Next-Generation Firewall," Gartner, October 12, 2009

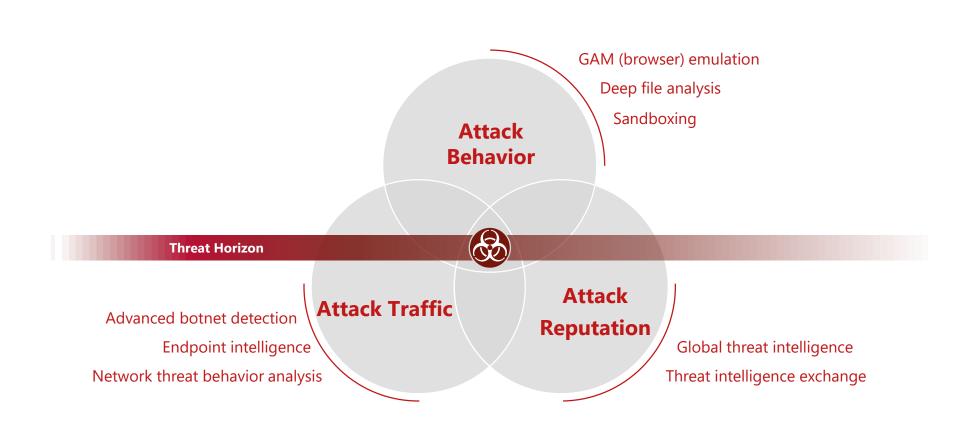
Traditional Threat Inspection



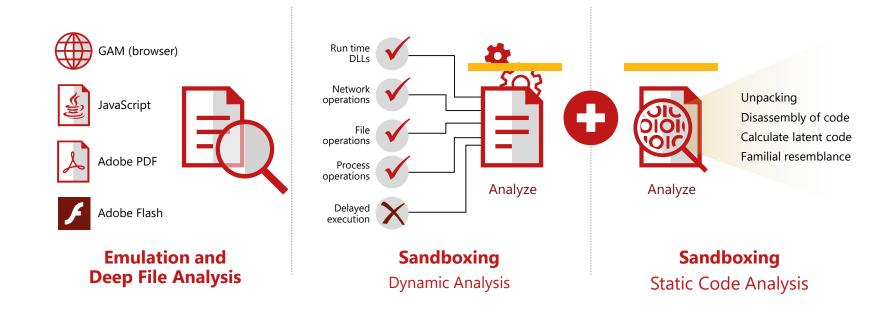
Advanced Targeted Attack Prevention



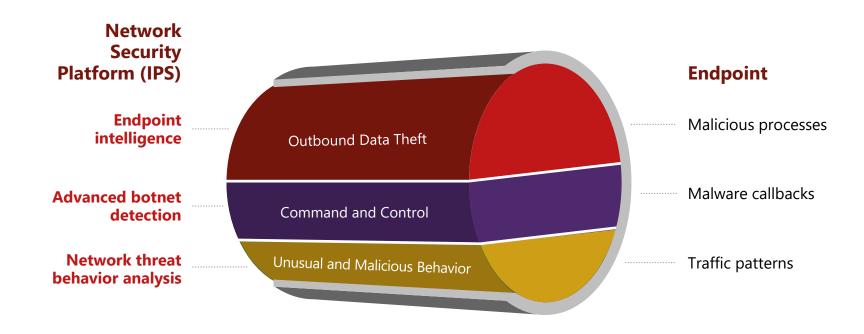
Approach to Signature-less Inspection



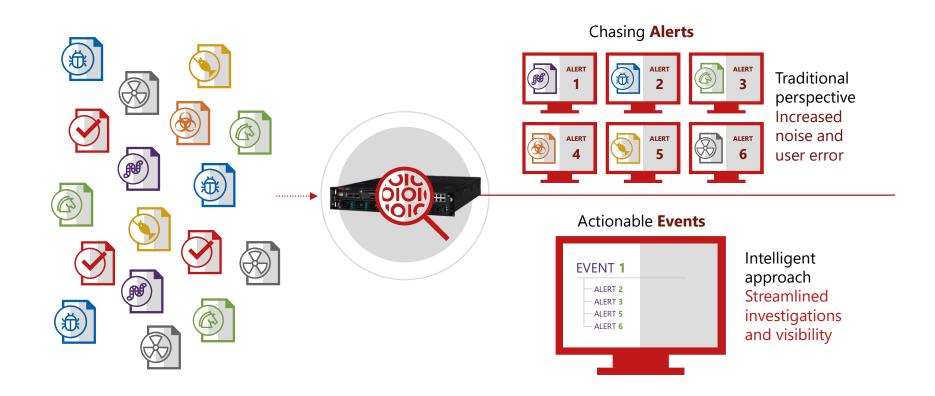
Understand Attack Behavior



Find Stealthy Attack Traffic



Discover Breaches Faster



Stop Malware Callback Activity



Identify

top callback activity

Drill down

on infected systems

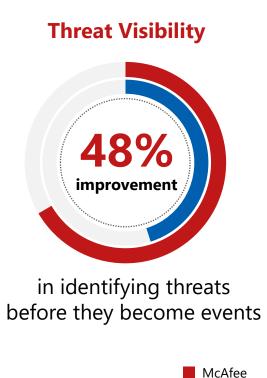
Understand

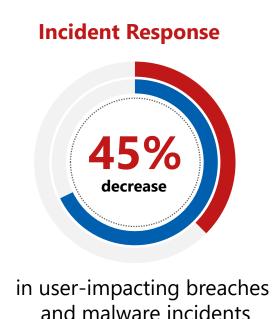
impact of infection

Take action

to quarantine endpoints

The Right Data at the Right Time





Non McAfee

"We can identify threats before they become events with McAfee NSP...we're probably at about

98% proactive identification

now, versus 78% before."



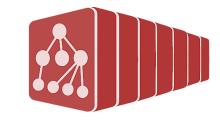
Problems We Want to Solve for the Cloud

Visibility



"Shadow IT makes it difficult to track systems, leaving them vulnerable to breaches."

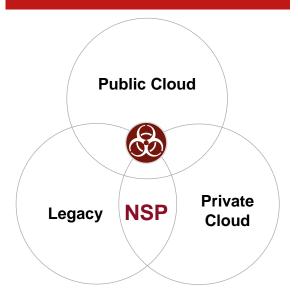
Cloud Scale



"Are my security controls at cloud scale or a choke point?"

"Security comes with cost of performance?"

Single Pane of Glass



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Virtual Network Security Platform (vNSP)

Built for the Cloud



- Inline IPS/IDS
- Security group
- AutoScale
- CloudTrail/VPC logs

Built in Security



Load Balanced



- Automatic client based

Virtual Overlay Network



- Micro-segmentation

Low OpEx/CapEX



- Ready for
- Flexible license

Single Console



- Manage from AWS or
- Monitor user access

Scale Security into the Virtual Data Center

Industry Proven IPS inspection

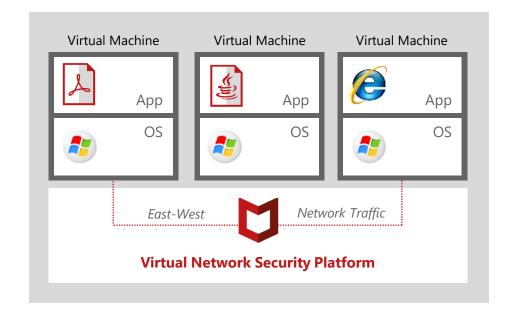
Gartner Leader and NSS recommended

Next Generation Features

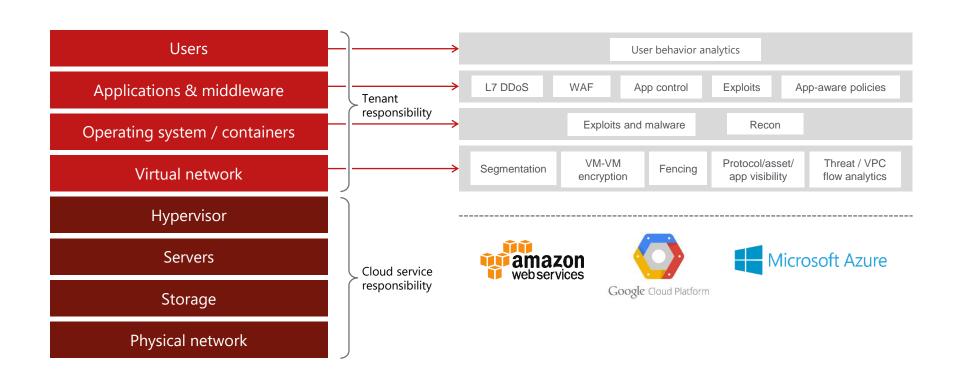
Application control, DDoS, callback detection, ATD, endpoint and threat intelligence

Multiple Deployment Modes

Support for SDN Controller (NSX) or dedicated installations.



Security in the Public Cloud

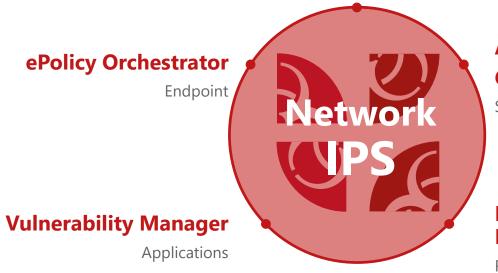


Fragmented Visibility

Desktop Incident response Applications

Break down data silos

Threat Intelligence Exchange



Advanced Threat Defense Cloud Threat Detection

Security operations

Enterprise Security Manager (SIEM)

Risk and compliance

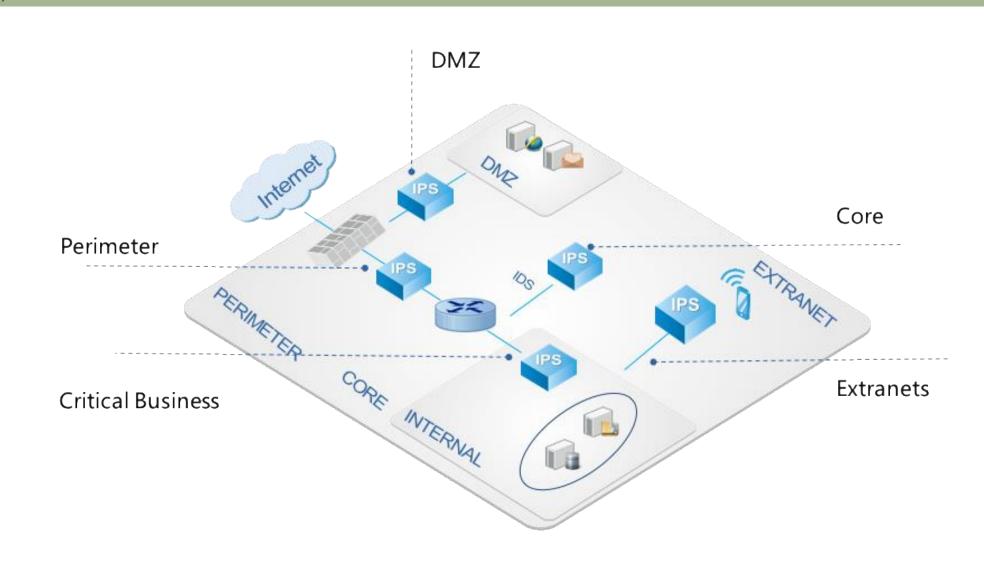
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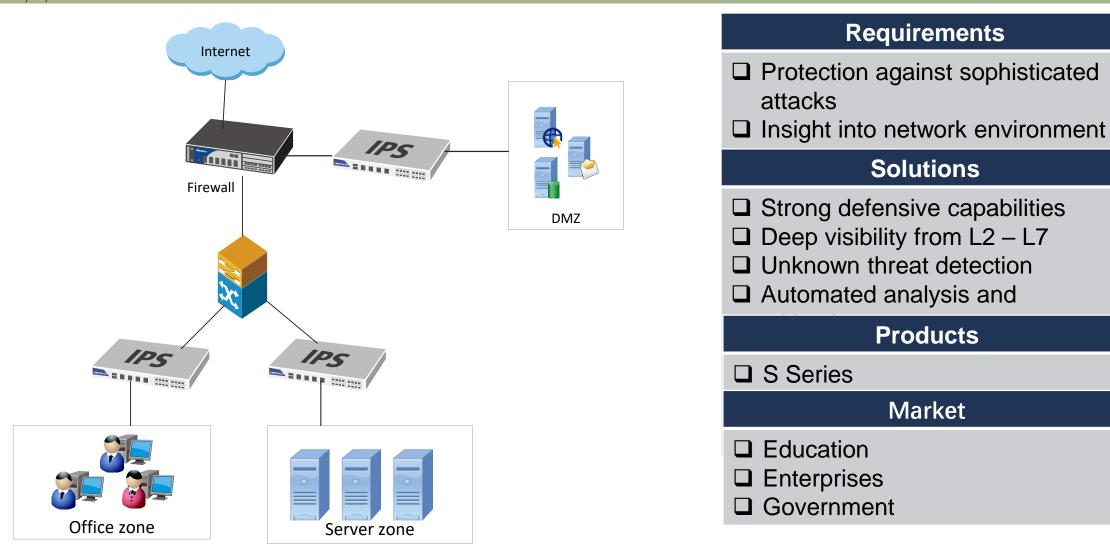
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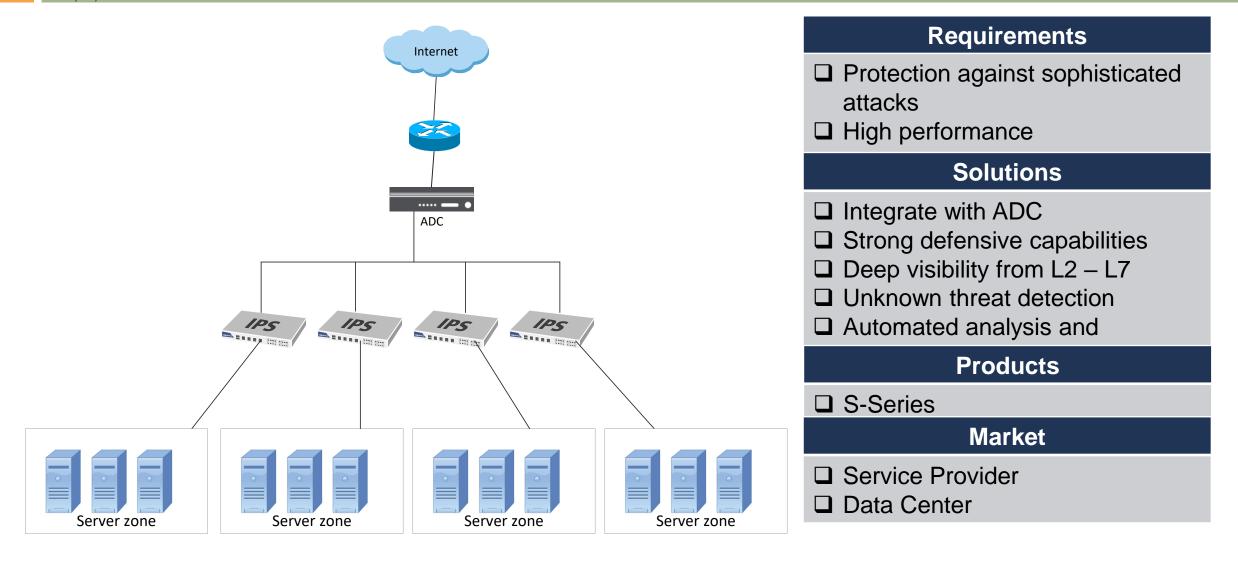
Deployment Scenarios



Deployment in Enterprises



Deployment in Service Provider/Data



Question ???