Fortinet Security Fabric

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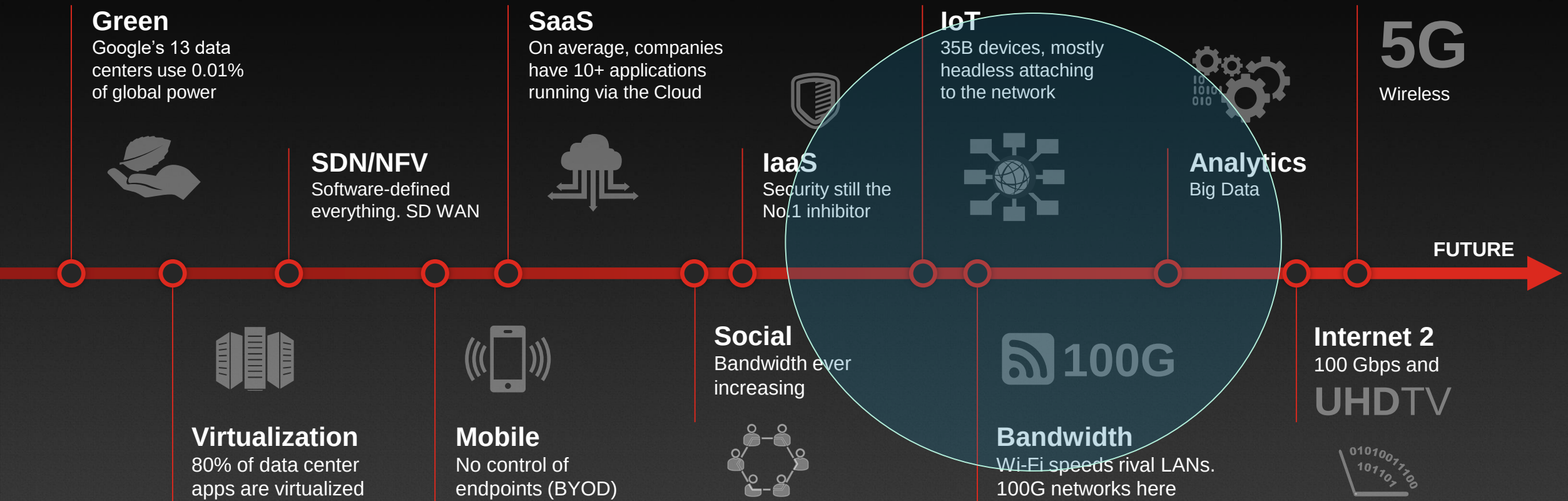
Infrastructure. Constant Change.



Accidental Architecture

NETWORK TEAM

- Routers
- Switches
- Wireless Access

OS TEAM

- Desktop OS
- Antivirus
- Mobile Device Mgmt

ICS TEAM

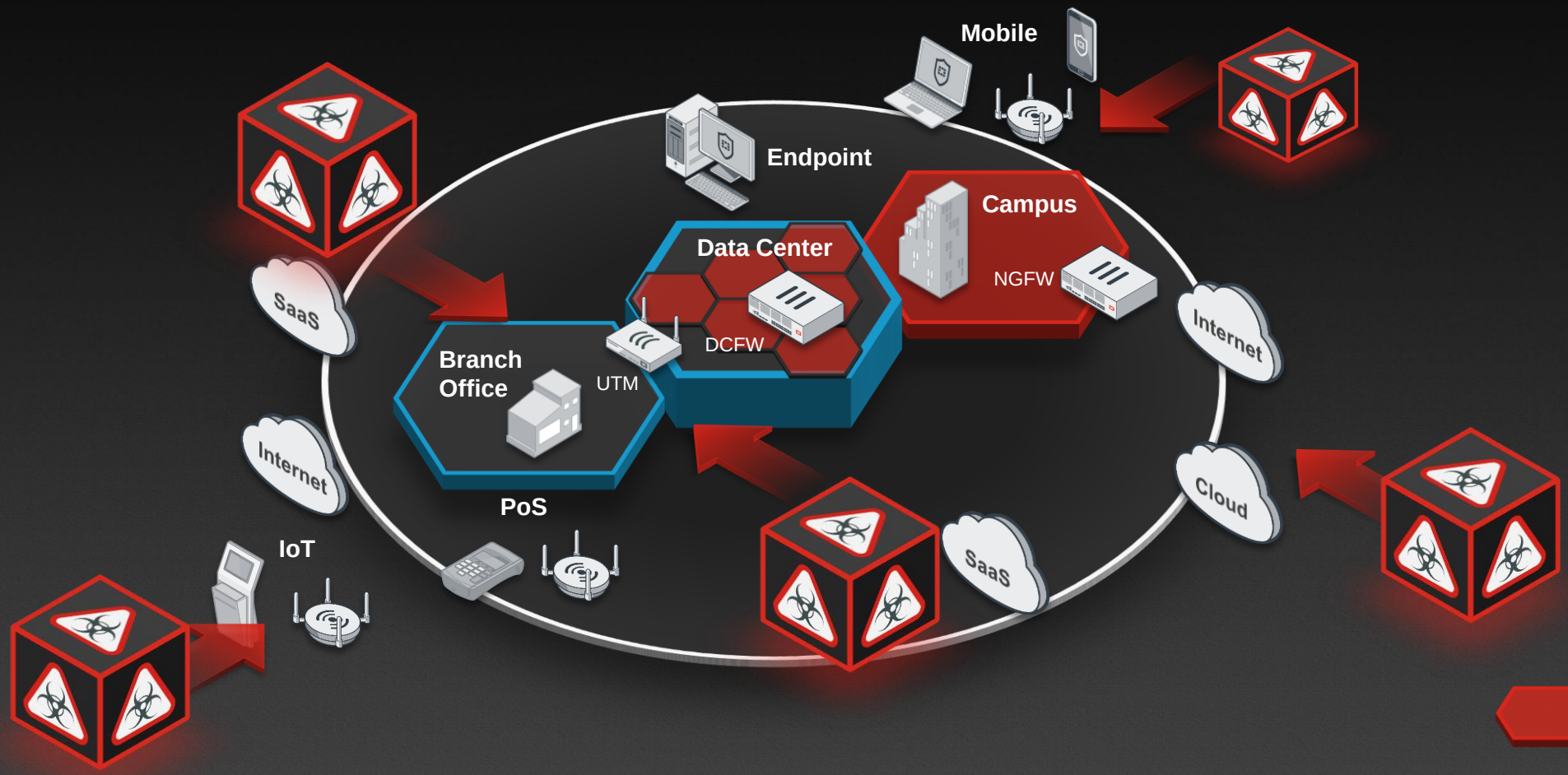
- ICS
- SCADA

SECURITY TEAM

- Firewall
- IPS
- Web Application

Many Isolated Point Solutions

The attack surface has increased dramatically, everywhere, inside and out.



Growing malicious activity

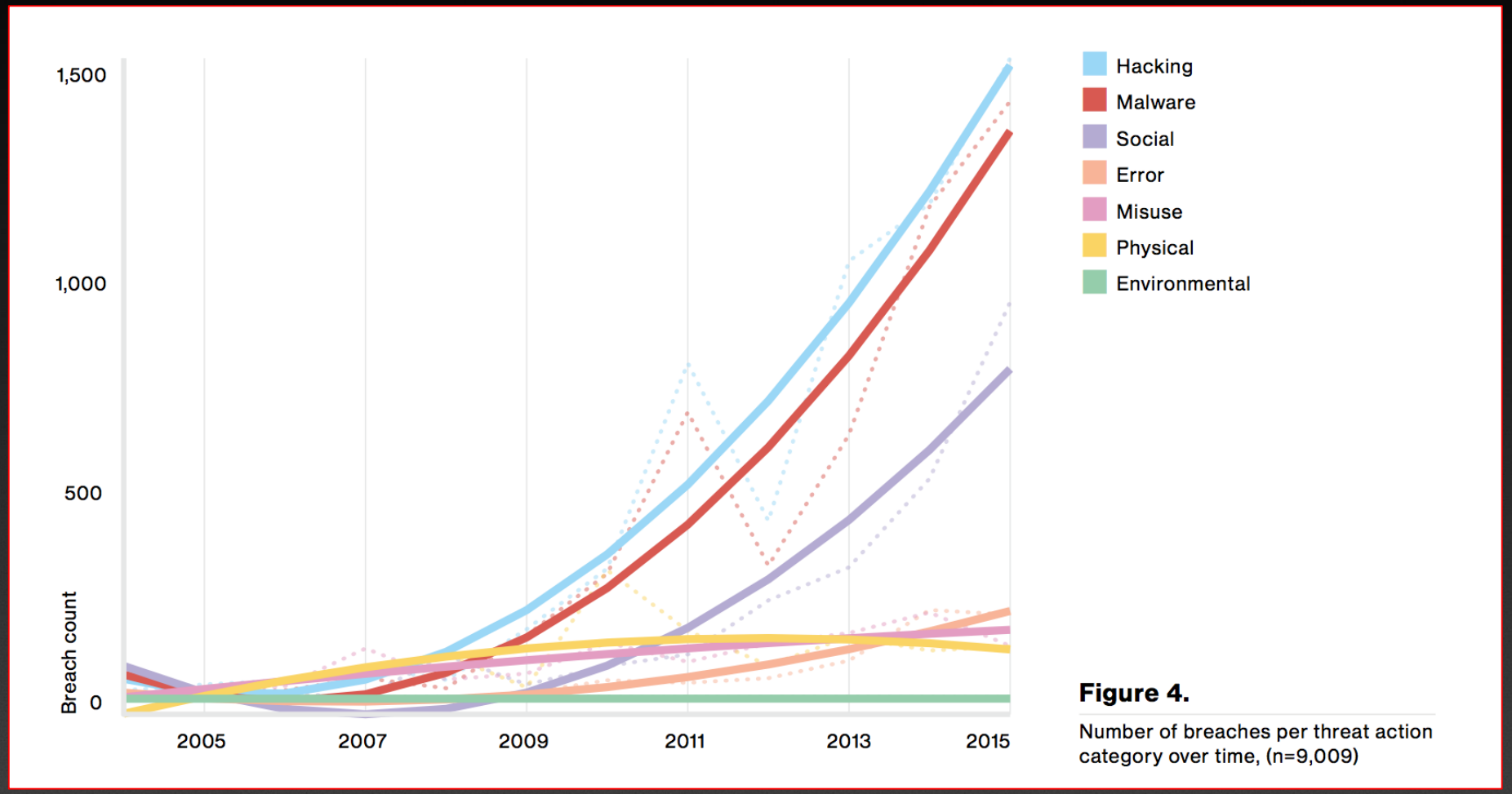
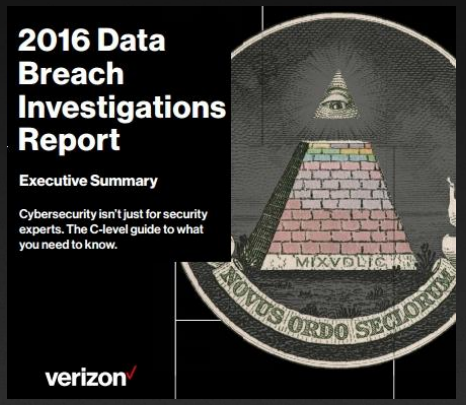


Figure 4.

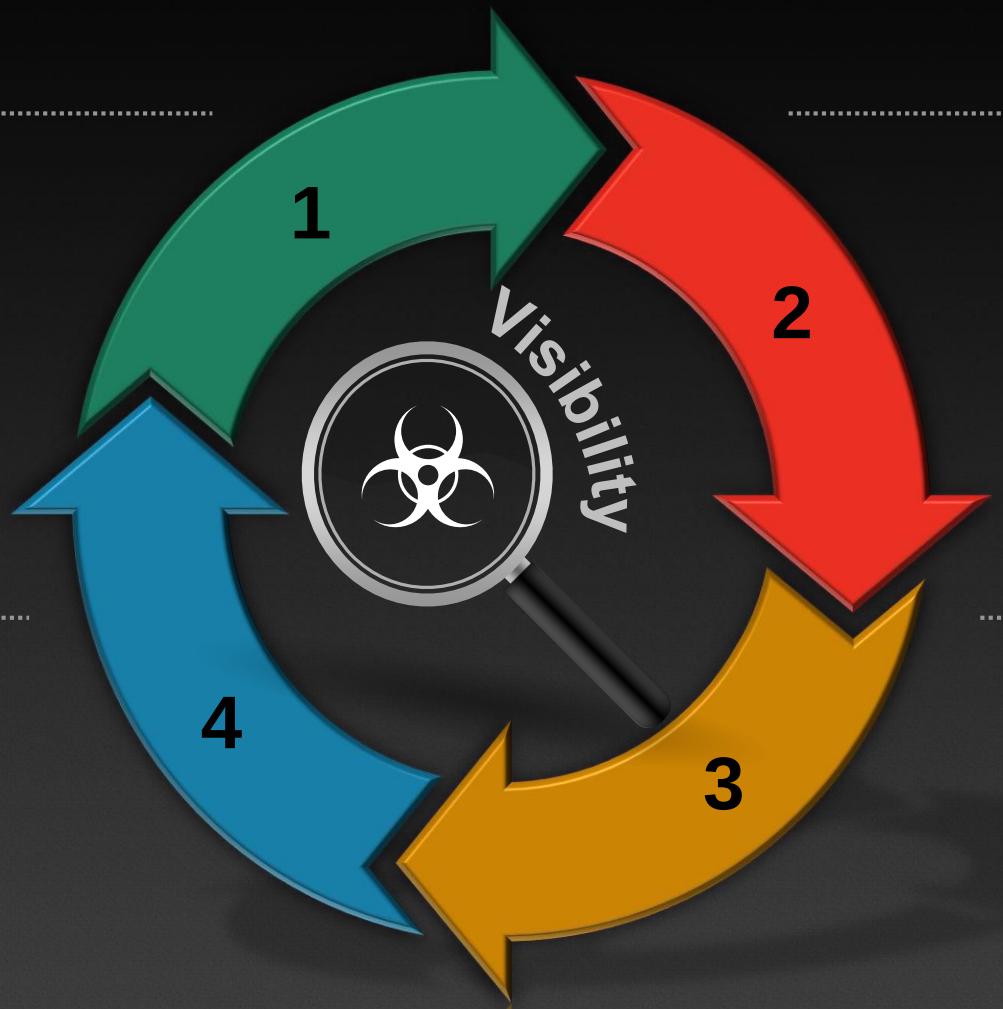
Number of breaches per threat action category over time, (n=9,009)



Security Threat Mitigation

Prepare
Segmentation
Processes
Training

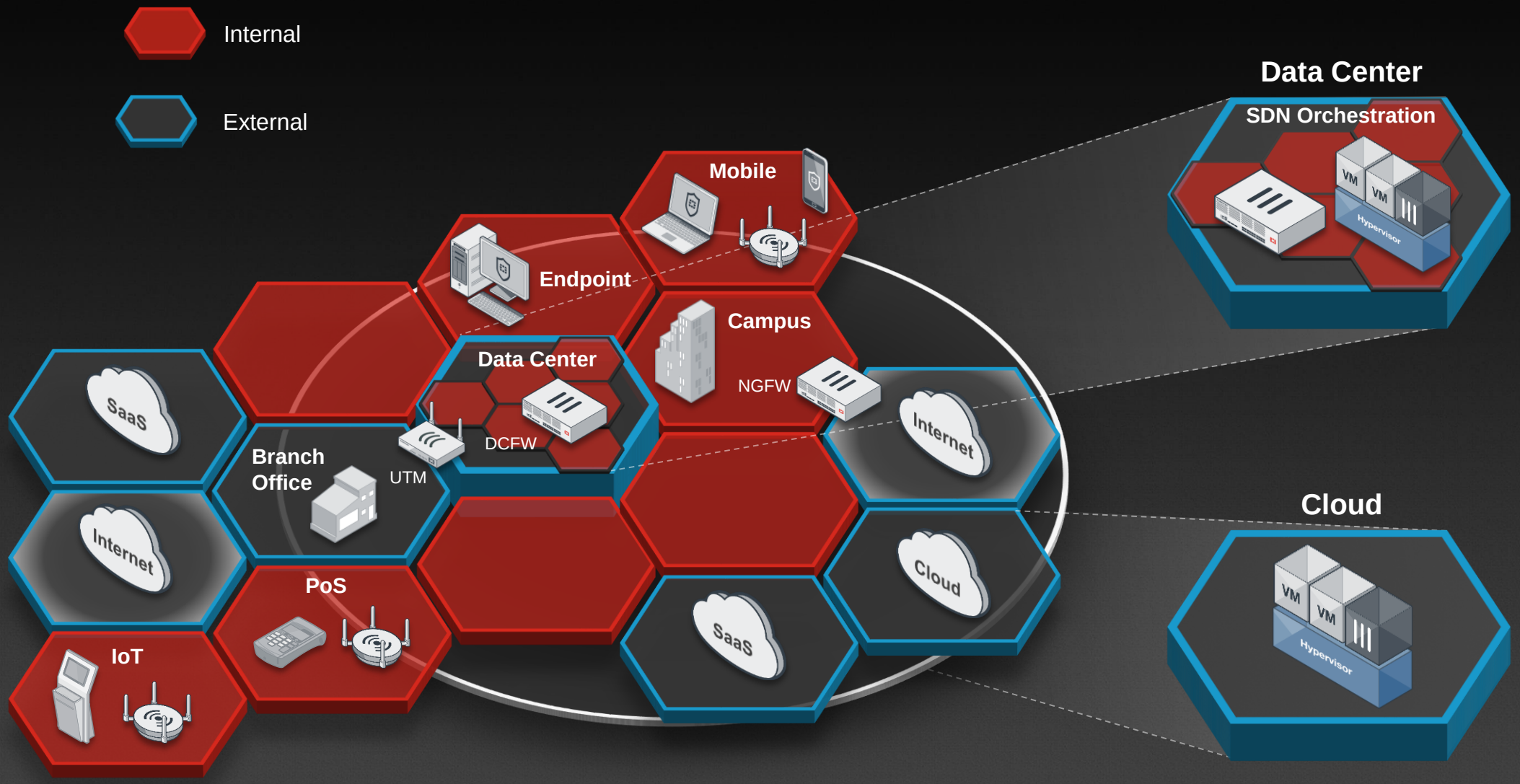
Prevent
Harden
Isolate
Network
Application
Endpoint



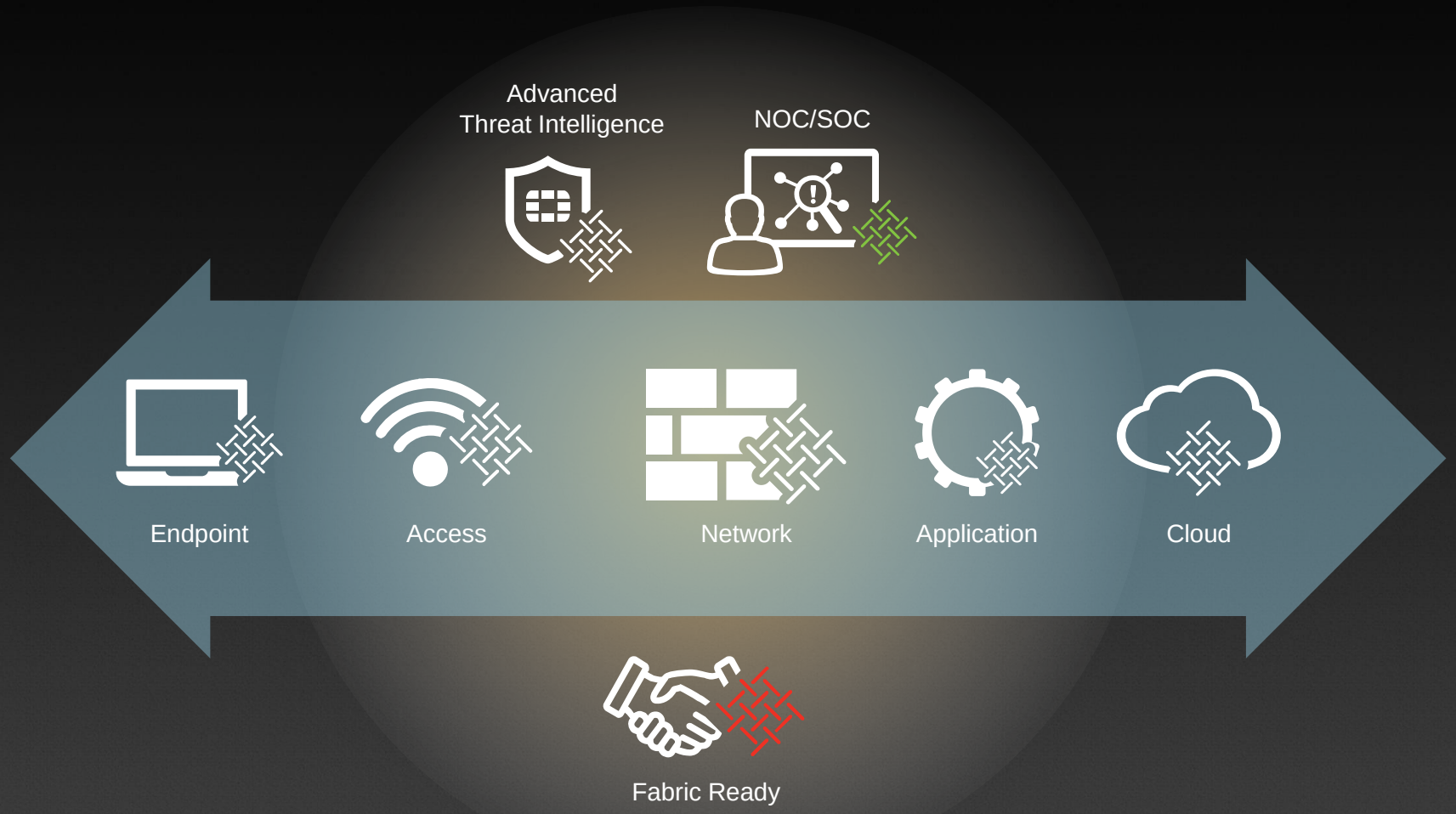
Respond
Contain
Remediate
Clean

Detect
ATP
SIEM
TIS

End-to-End Segmentation



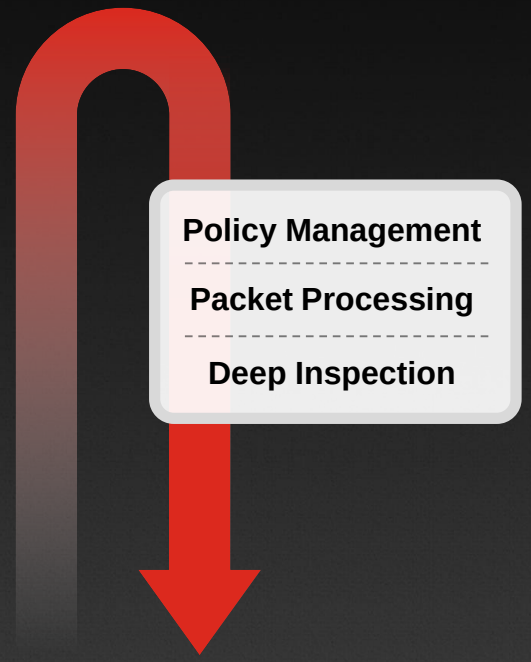
Fortinet Security Fabric



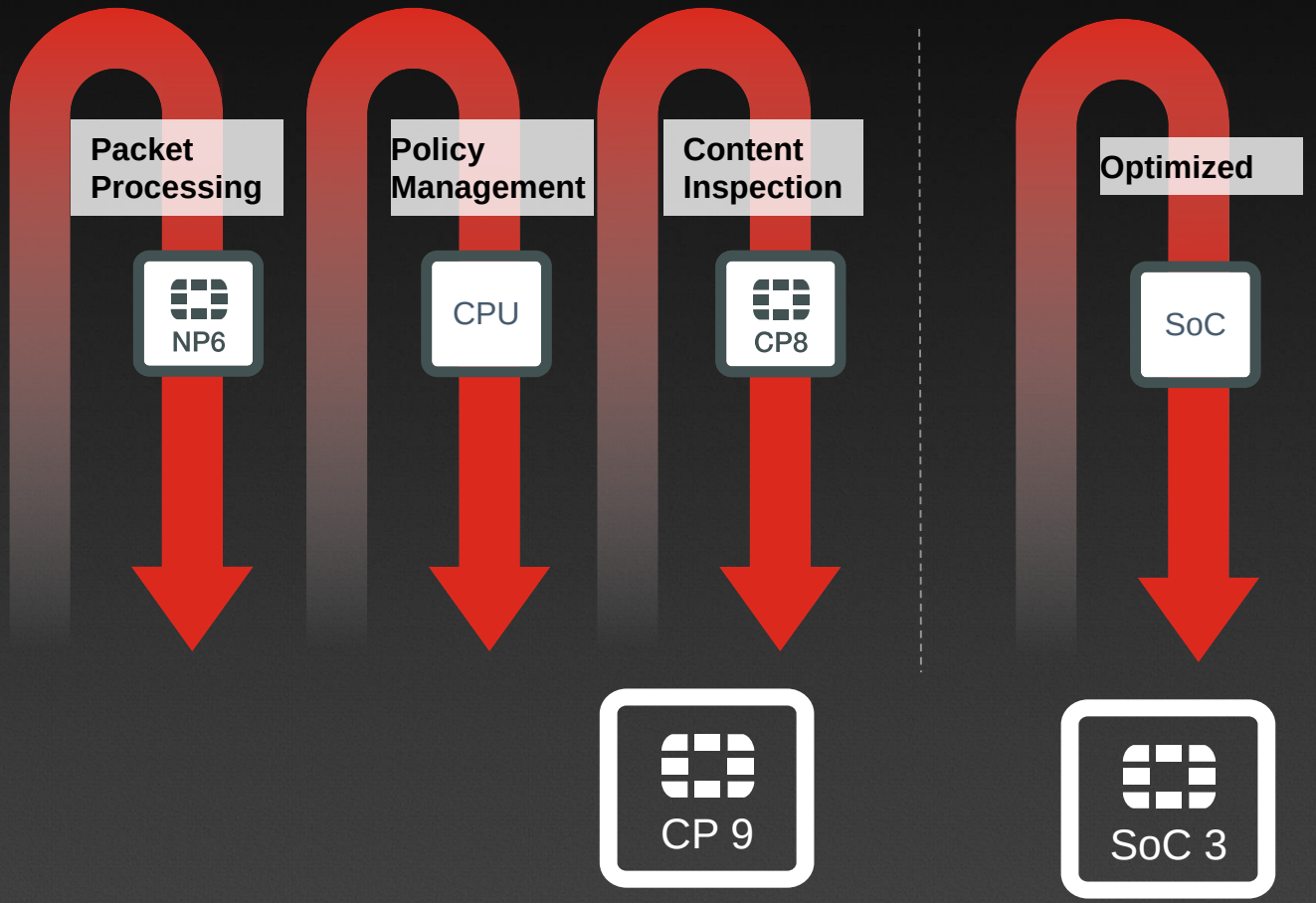
- **Scalable**
- **Aware**
- **Secure**
- **Actionable**
- **Open**

Scalable - The Fabric covers the entire network attack surface (From IoT to Cloud)

CPU Only



Parallel Path Processing (PPP)



More Performance

Less Latency

Less Space

Less Power

Slow is Broken

Fabric Attributes – Awareness

Visibility

- All Elements
- Visualization
- Interaction

Segmentation

- Performance
- Discovery
- Co-operation

Automated Operation

- Fabric wide policy control
- Synchronized configuration
- Single Pane of Glass

Security Audit

- Recommendations based on security posture
- Policy Audit
- Vulnerability awareness

Secure – The Fabric cover all the possible attack vectors such as Network, Endpoint Access, Web, Email and Cloud

Security Updates

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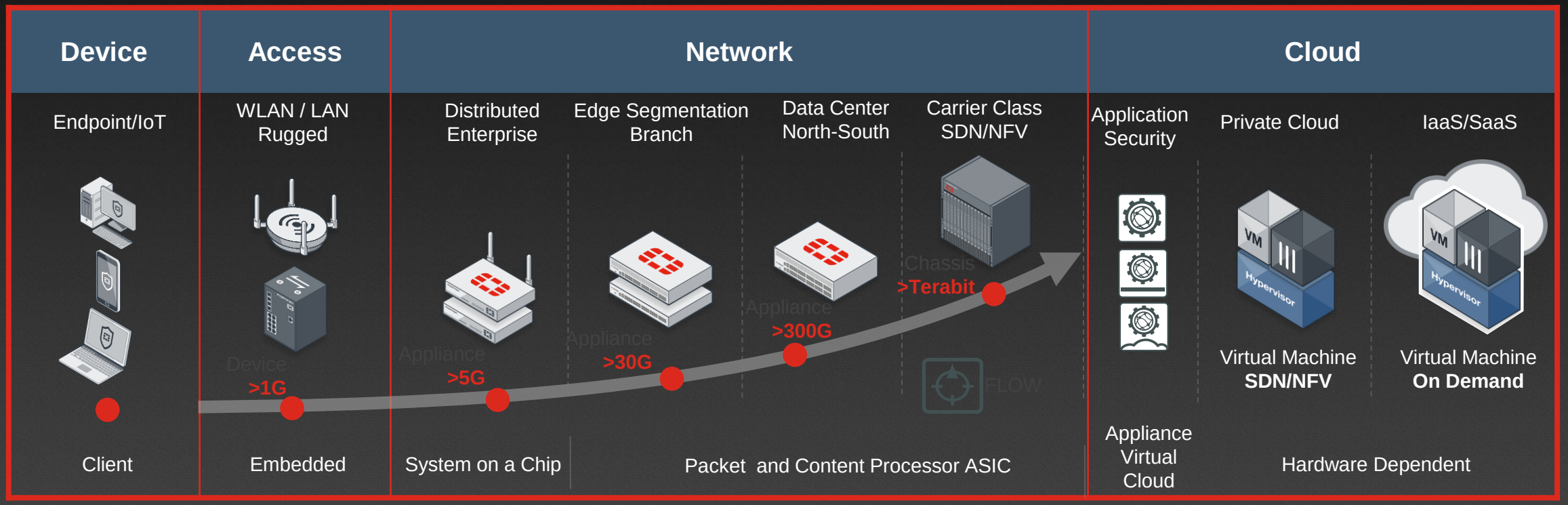
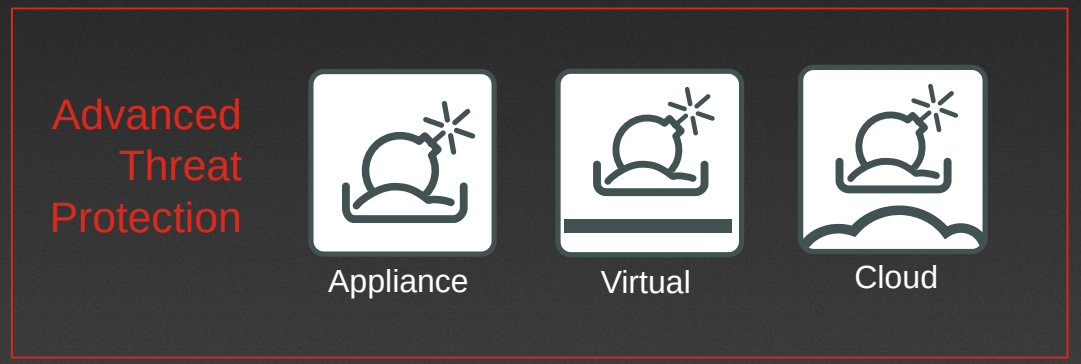
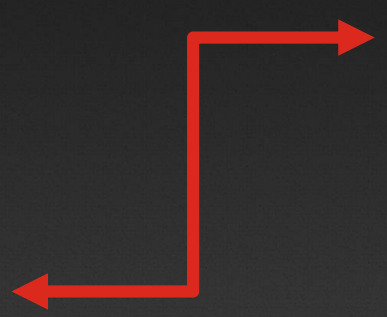
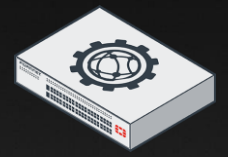
FW VPN IPS APP AV



Actionable – The Fabric cuts Time to Protect from hours to seconds







Open – The Fabric allows integration of existing security solutions

Ecosystem Integration Points

Cloud	SDN	Sandbox
IBM Cloud Microsoft Azure amazon web services Cloud Services NTT	vmware NSX big switch networks ARISTA PLUMgrid Microsoft Hyper-V openstack CISCO KVM PLURIBUS NETWORKS CITRIX nuagenetworks	Bit9 + CARBON BLACK

Test/SSO	System Integrator	SIEM	Management
ixia Centrify	Hewlett Packard Enterprise IBM Capgemini CONSULTING.TECHNOLOGY.OUTSOURCING	splunk> IBM ArcSight An HP Company Radar LogRhythm ALIEN VAULT	REDSEAL skybox Security Gigamon tufin algosec FIREMON

FORTINET