Magic Quadrant for Network Security Products
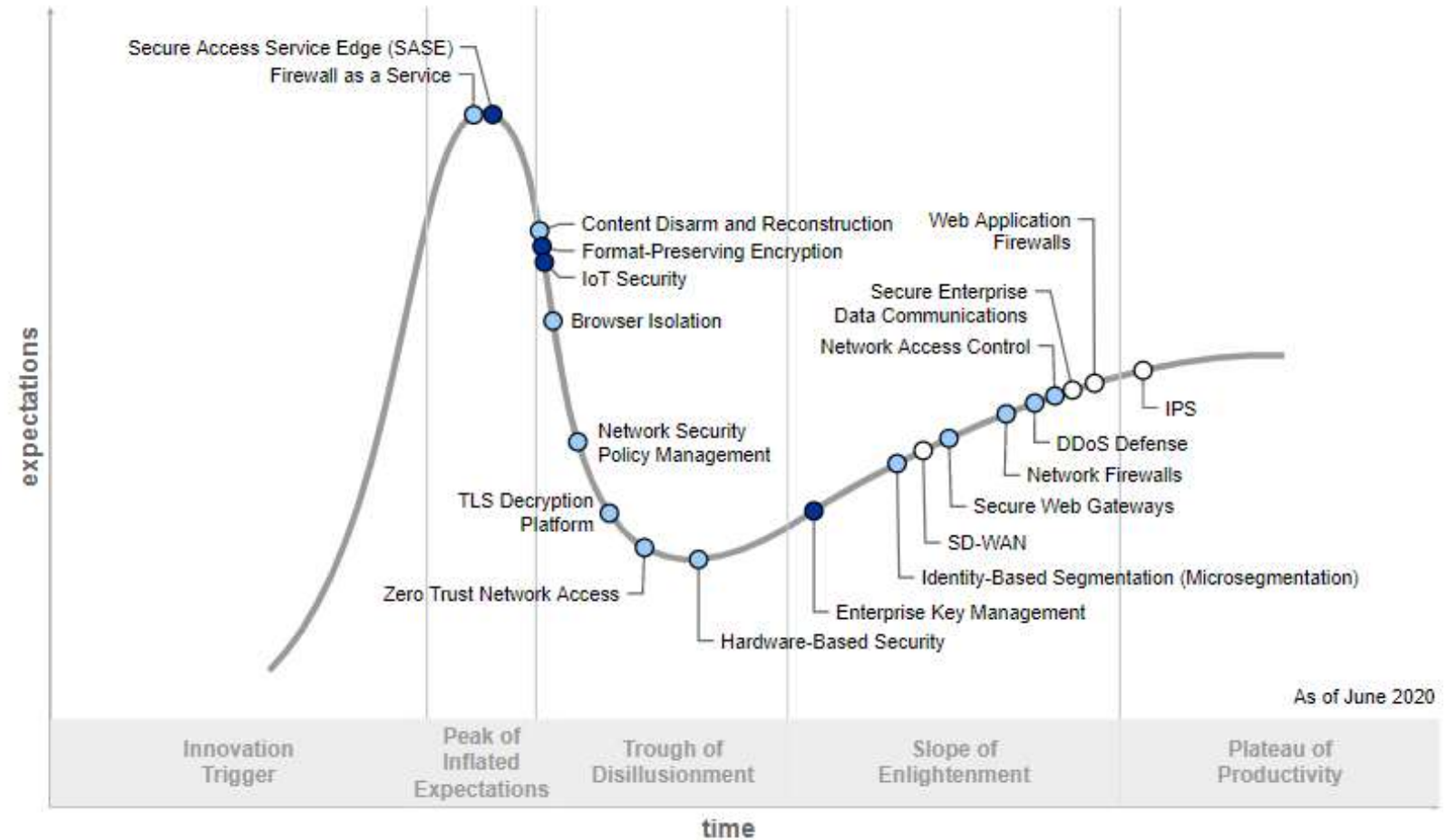
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Objectives

1. Network Security and Preventing Attacks

2. Network Firewall MQ and Trends

3. Secure Web Gateway MQ and Trends

4. Web Application Firewall MQ and Trends

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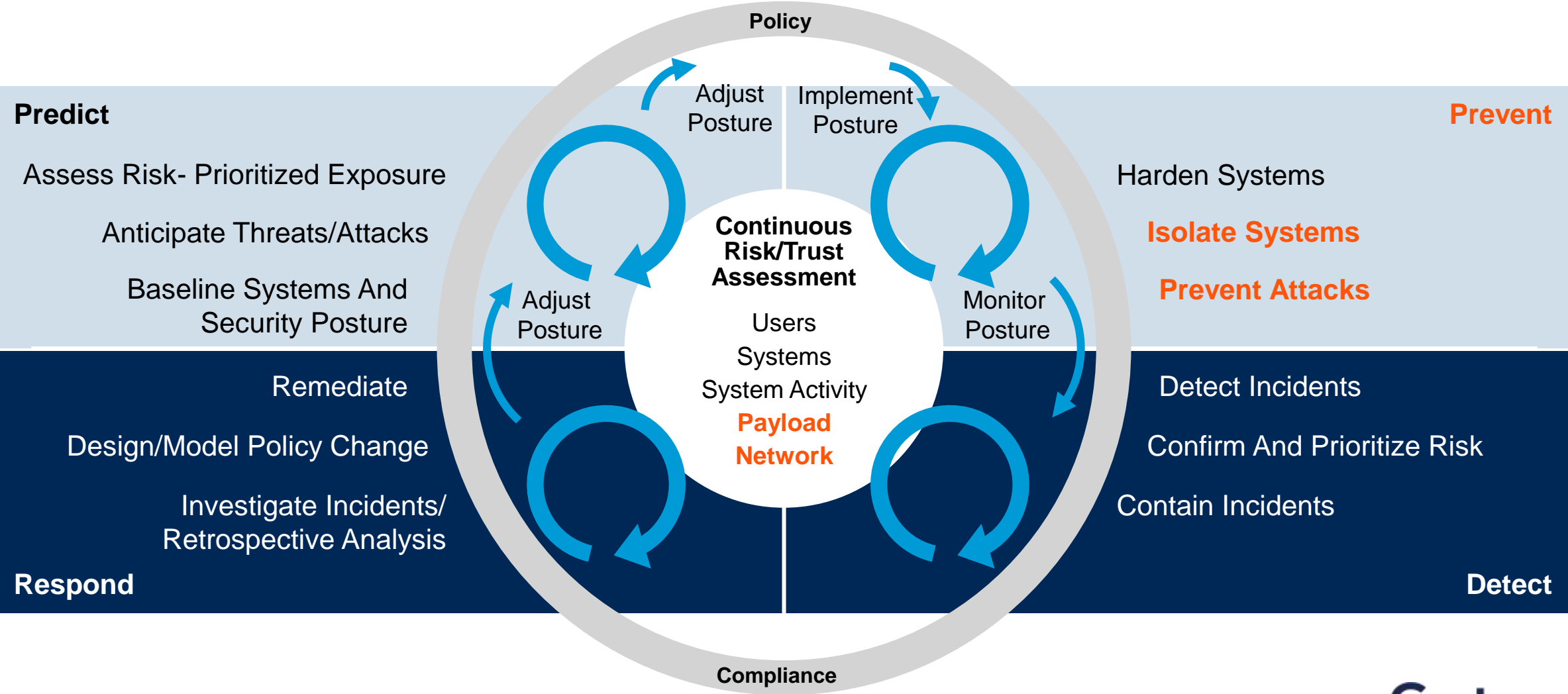
Where Network Security Stands Today?
Interactive Hype Cycle

3

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Network Security and Preventing Attacks
Prediction, Prevention, Detection and Response

Predict

Assess Risk- Prioritized Exposure

Anticipate Threats/Attacks

Baseline Systems And Security Posture

Remediate

Design/Model Policy Change

Investigate Incidents/ Retrospective Analysis

Respond

Policy

Adjust Posture

Implement Posture

Continuous Risk/Trust Assessment

Adjust Posture

Monitor Posture

Users
Systems
System Activity
Payload
Network

Compliance

Prevent

Harden Systems

Isolate Systems

Prevent Attacks

Detect Incidents

Confirm And Prioritize Risk

Contain Incidents

Detect

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The Death of Network Security Is Greatly Exaggerated

- Hybrid environments
- More perimeters
- More segmentation
- Increasing attacks on applications and API
- Requirement of more filtering and protection from malware from the internet

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Network Firewalls

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Network Firewall Trends

- Network firewalls are evolving toward network security platforms.
- Firewalls vendors are acquiring to broaden their security portfolios.
- No more just a stand-alone point player.
- FWaaS seeing positive adoption for remote workforce.
- Enterprises moving away from multibrand firewall architecture toward one brand firewall architecture.
- Adoption of firewalls on cloud and public IaaS introducing their native firewalls.

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Magic Quadrant for Enterprise Network Firewalls

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Secure
Web Gateways

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Secure Web Gateways Trends

- Adoption of secure web gateway as a service growing as opposed to on-premises appliances.

- Vendors are evolving toward becoming a SASE.

- SWG vendors are adding cloud access security broker, remote browser isolation, firewall and other advanced features to enhance the security of their platforms.

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Magic Quadrant for Secure Web Gateways

Web
Application Firewalls

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Web Application Firewalls Trends

- Seeing growth in adoption of WAAP service as opposed to the appliances.

- Other modes of deployment are hybrid, virtual and on-premises.

- Vendors are offering consolidated services for application security, such as DDoS mitigation services, WAAP, bot mitigation and API protection.

- Public IaaS are also offering their native WAF.

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Capabilities of a Web Application Firewall

● = Good To Very Good ◐ = Average Or Fair ○ = Below Average

	Web Application Firewall	Intrusion Prevention System	Next-Generation Firewall
Multiprotocol Security	○	●	●
IP Reputation	◐	◐	◐
Web Attack Signatures	●	◐	○
Web Vulnerabilities Signatures	●	◐	◐
Automatic Policy Learning	●	○	○
URL, Parameter, Cookie and Form Protection	●	○	○
Leverage Vulnerability Scan Results	●	◐	○

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Magic Quadrant for Web Application Firewalls

Common Mistakes/Better Ideas When Using MQs

Mistake	Better Idea
Buying only from vendors ranked in "Leaders" quadrant	Realizing that all companies in a report may be appropriate
Looking only at the picture	Reading the evaluation criteria and comments
Reading the report, but not speaking to an analyst	Calling the analyst for more insight about vendors and their products
Using the publications as substitutes for requests for information	Asking vendors for responses tailored to your organization's needs
Not performing your own evaluation	**Combining third-party reports with your own testing**

Recommended Gartner Research

🔍 **Magic Quadrant for Network Firewalls**
Rajpreet Kaur, Adam Hils and Others (G00375686)

🔍 **Magic Quadrant for Web Application Firewalls**
Jeremy D'Hoinne, Adam Hils and Others (G00373533)

🔍 **Magic Quadrant for Secure Web Gateways**
Lawrence Orans, John Watts and Peter Firstbrook (G00380121)

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