



Perimeter Protection Roadshow

Welcome

DXB 24, Dubai Internet City
Wednesday, June 14 2023

Overview of the day ahead

10:15 – 11:30 | Understanding the Threat Landscape

Achraf Souk, Sr Manager Edge Services Specialist SA EMEA, Amazon Web Services

11:30 – 11:45 | Break

11:45 – 13:15 | Partner Sessions

Best Practices and Strategies for Cloud Security - Avdhoot Panchal: Senior Consulting Cloud Architect at Bespin

New trends of successful cyber-attacks and data breaches - James Sherlow: EMEA SE Director at Cequence Security

Automated BOT mitigation with AWS - Bassel Al Annan: Senior Solutions Architect at Zero&One

13:15 – 14:15 | Lunch

14:15 - 16:15 | Hands-on Workshop - Managing Bot Traffic with AWS

Mohamed Eltayeb, Sr Edge Services Specialist SA EMEA, Amazon Web Services





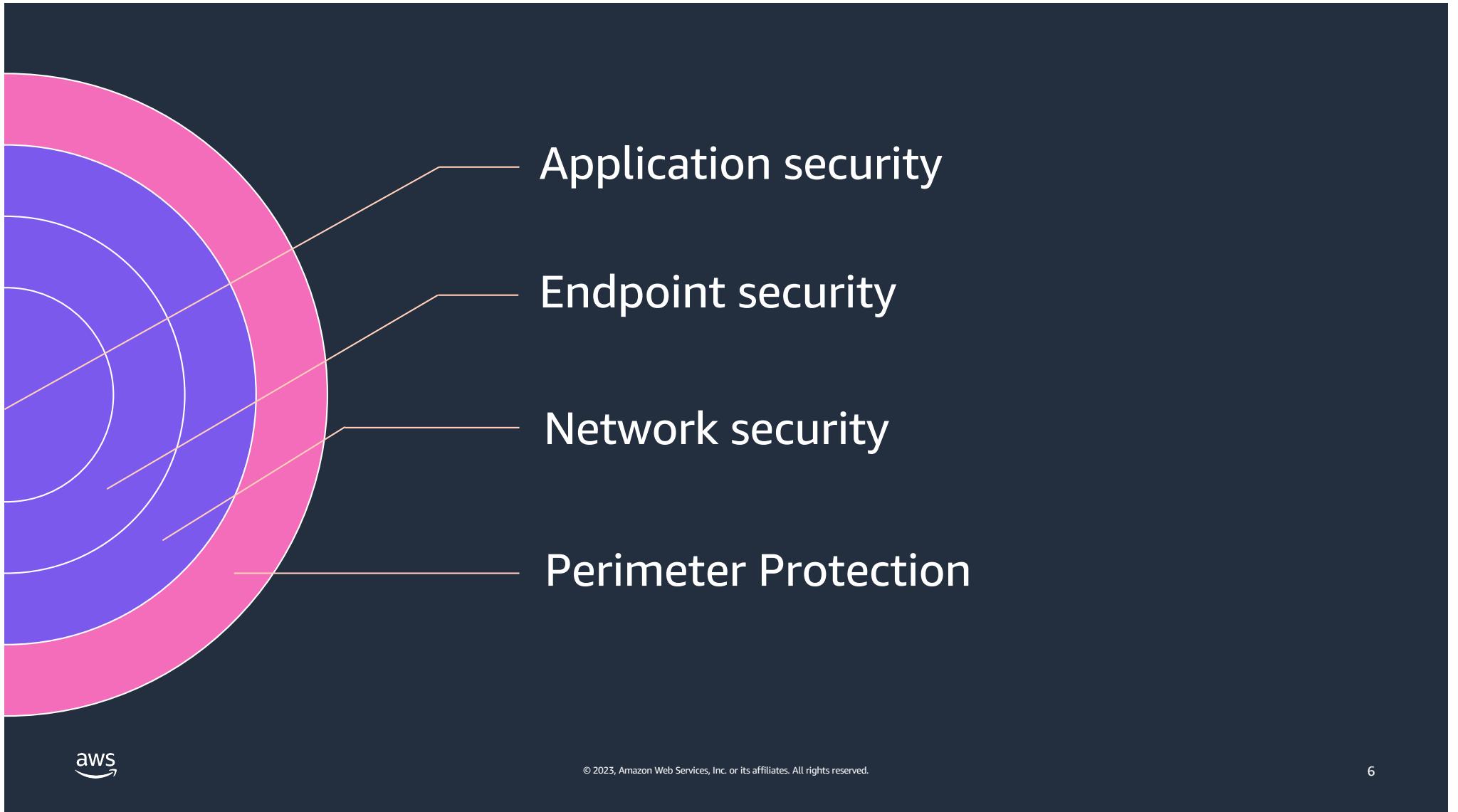
Perimeter Protection Roadshow

Keynote:
Understanding the threat landscape

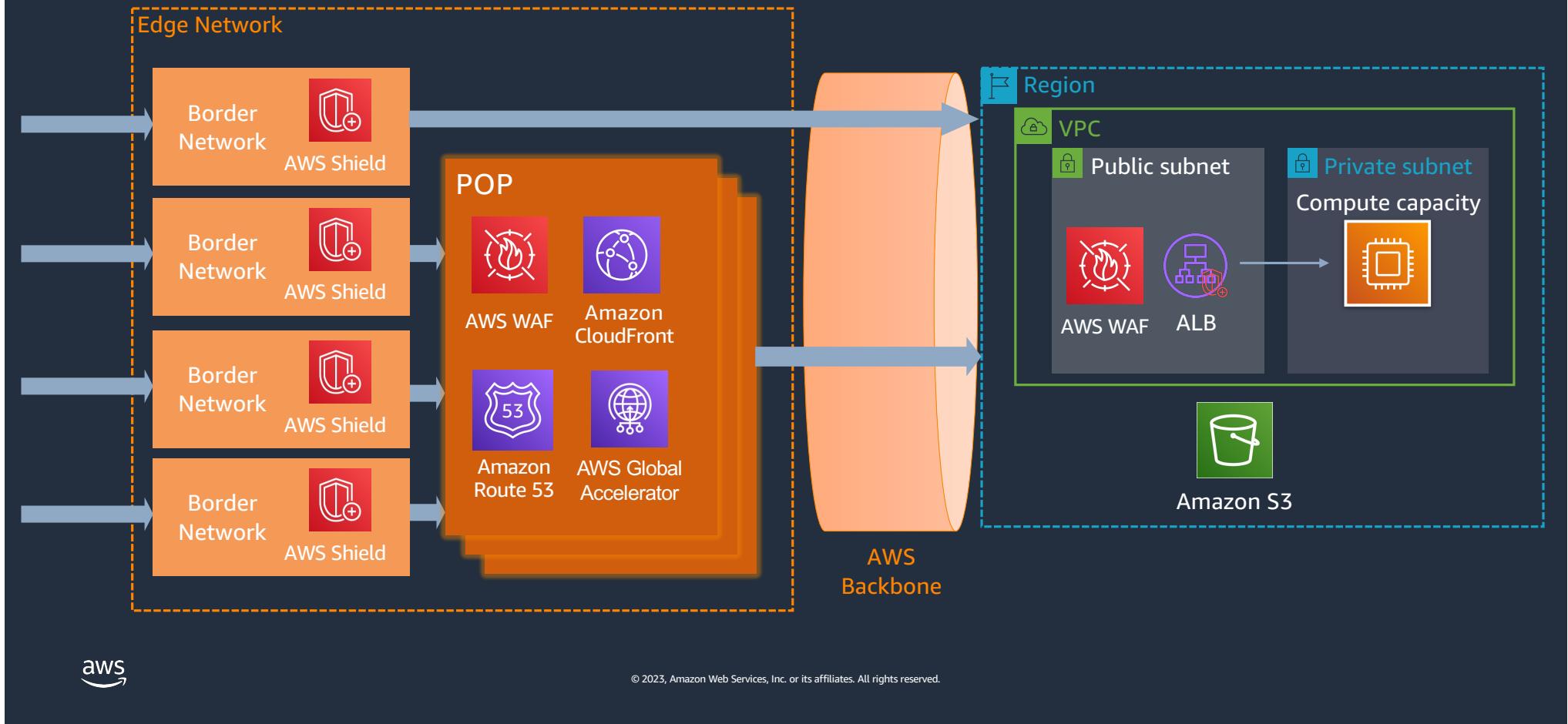
Achraf Souk
Sr Manager, Edge Services Specialist SA, EMEA







AWS Edge Services

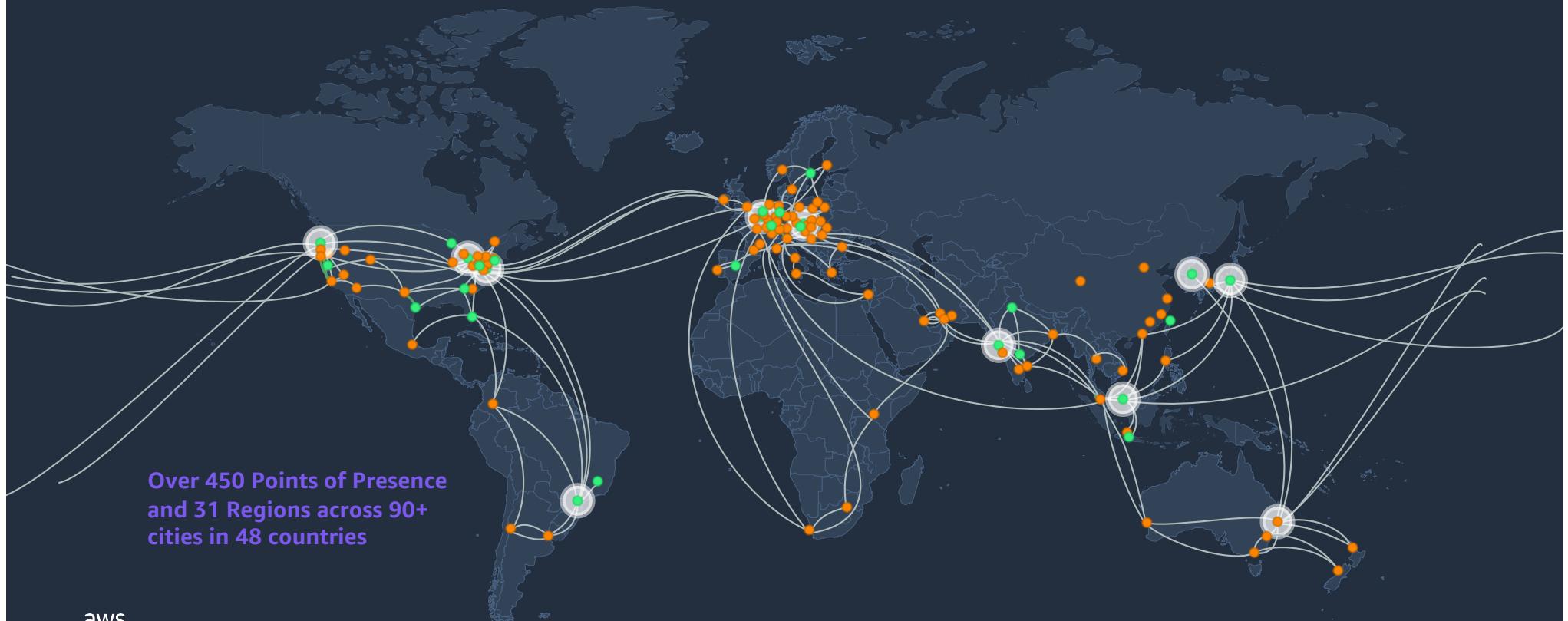


AWS reach and scale to detect threats

300Gb of flow logs
ingested every second

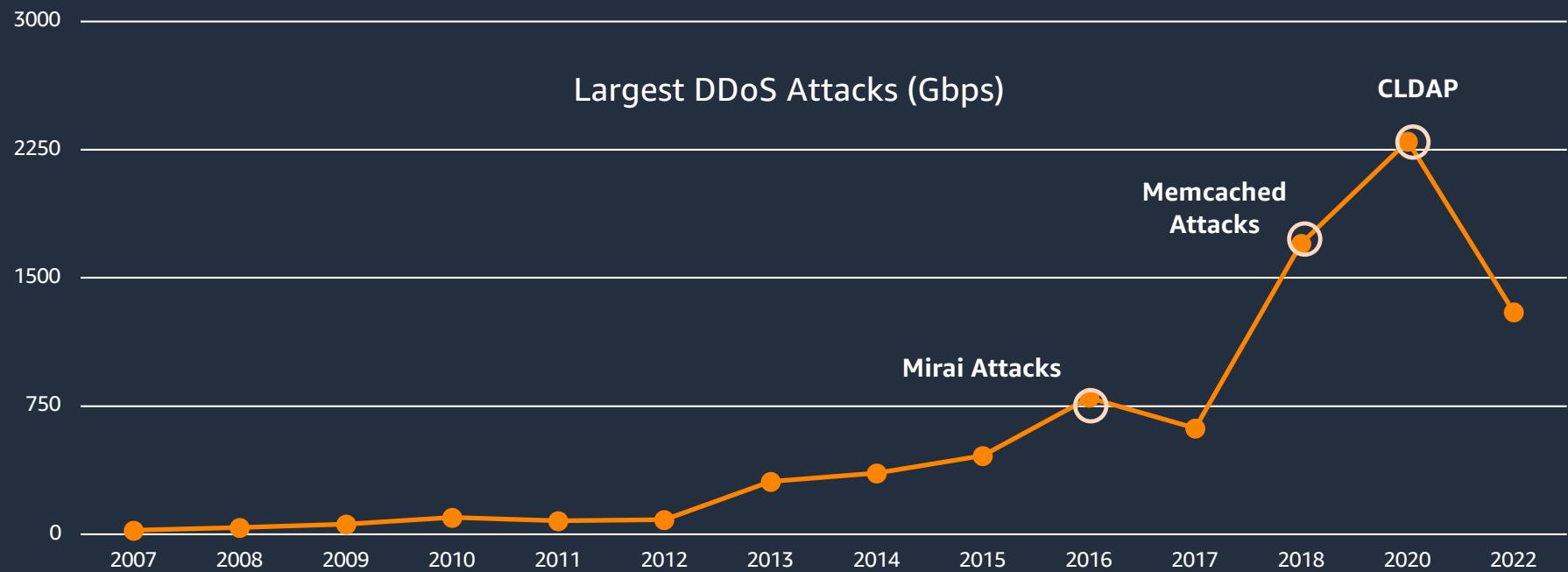
100+ billion AWS managed rules
requests processed per day

Thousands of DDoS attacks
mitigated every day



© 2023, Amazon Web Services, Inc. or its affiliates. All rights reserved.

DDoS – Evolution of volumetric attacks



DDoS – Q1 trends 2023



996 Gbps

2023 Q1
Largest attack
(bits)

+7% from 2022 Q4 ↑

480 Mpps

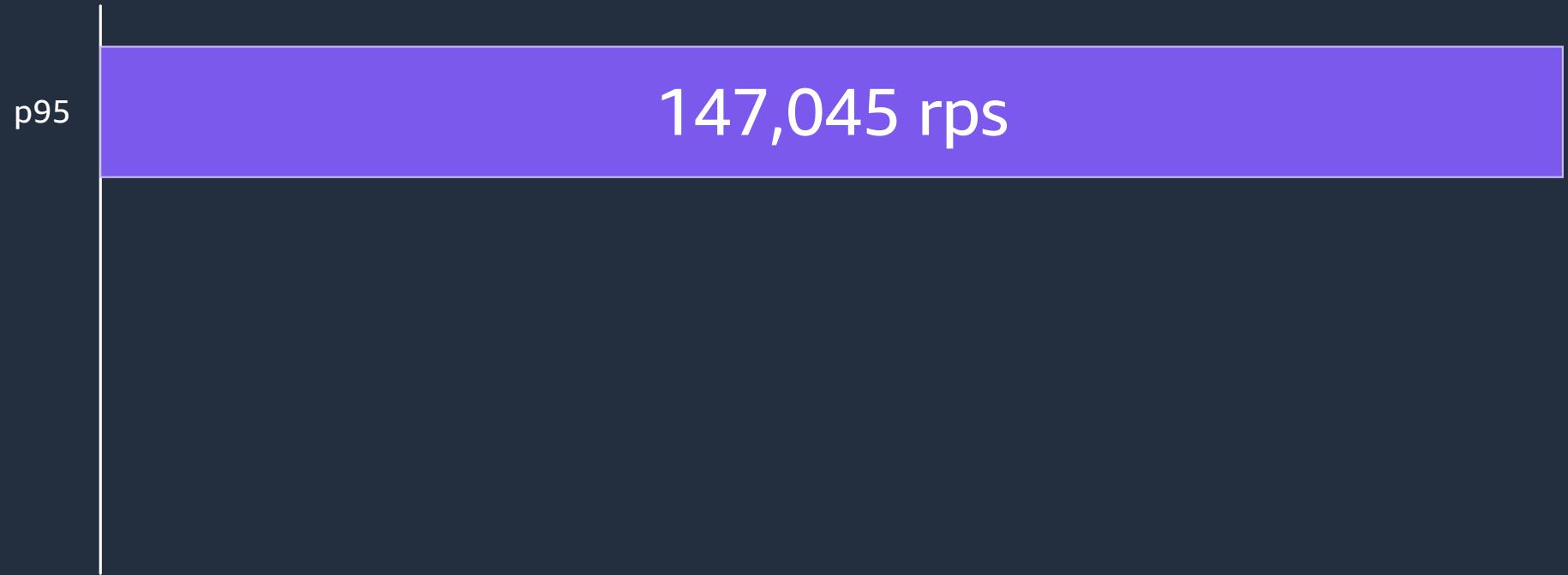
2023 Q1
Largest attack
(packets)

+5% from 2022 Q4 ↑



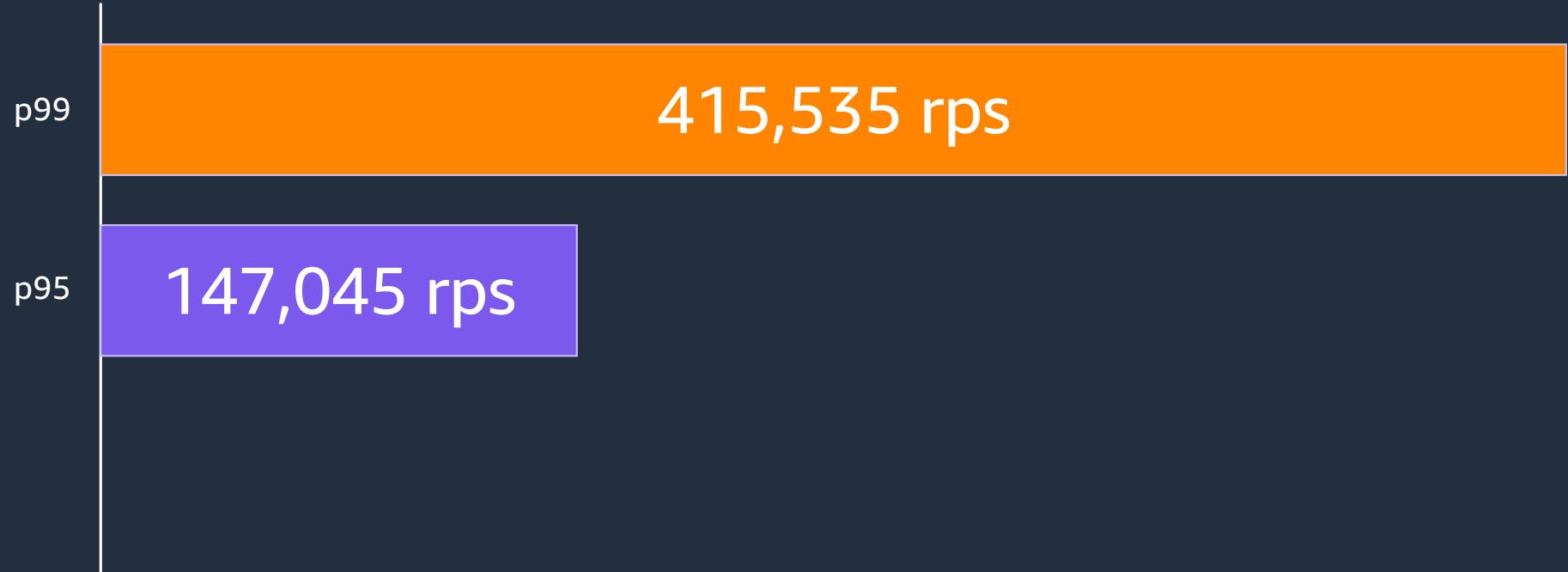
DDoS – Q1 trends 2023

Request Floods



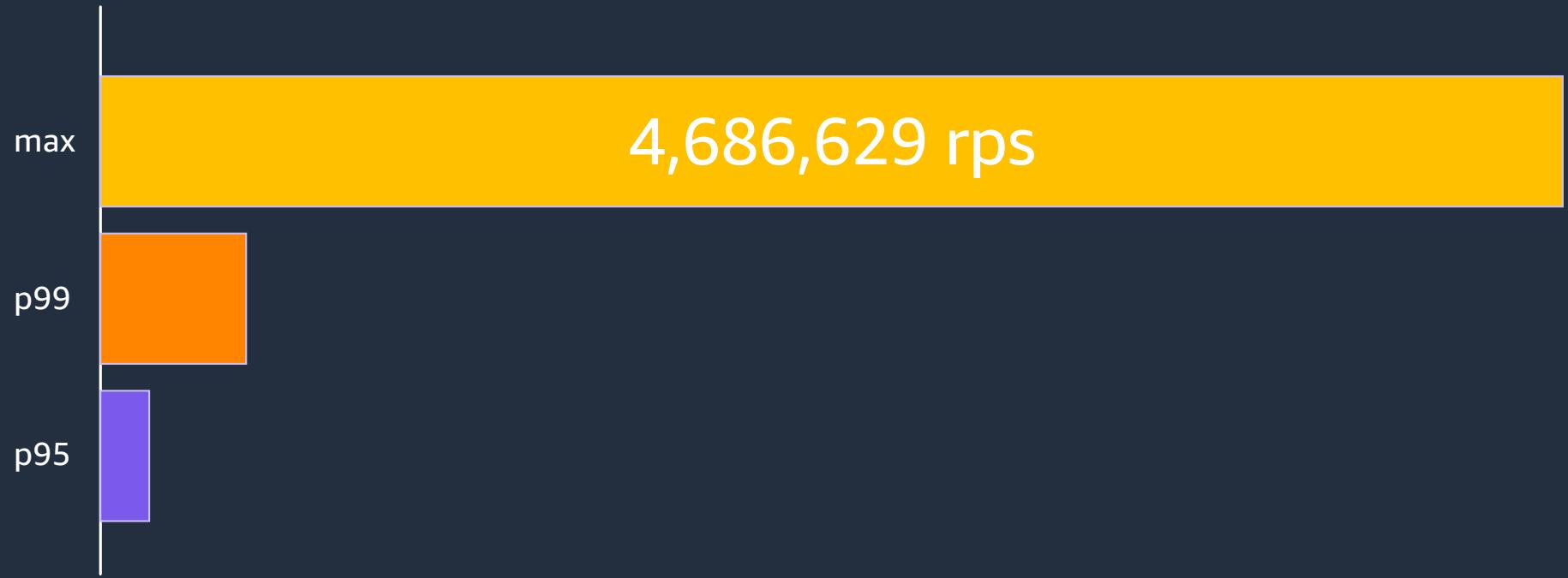
DDoS – Q1 trends 2023

Request Floods

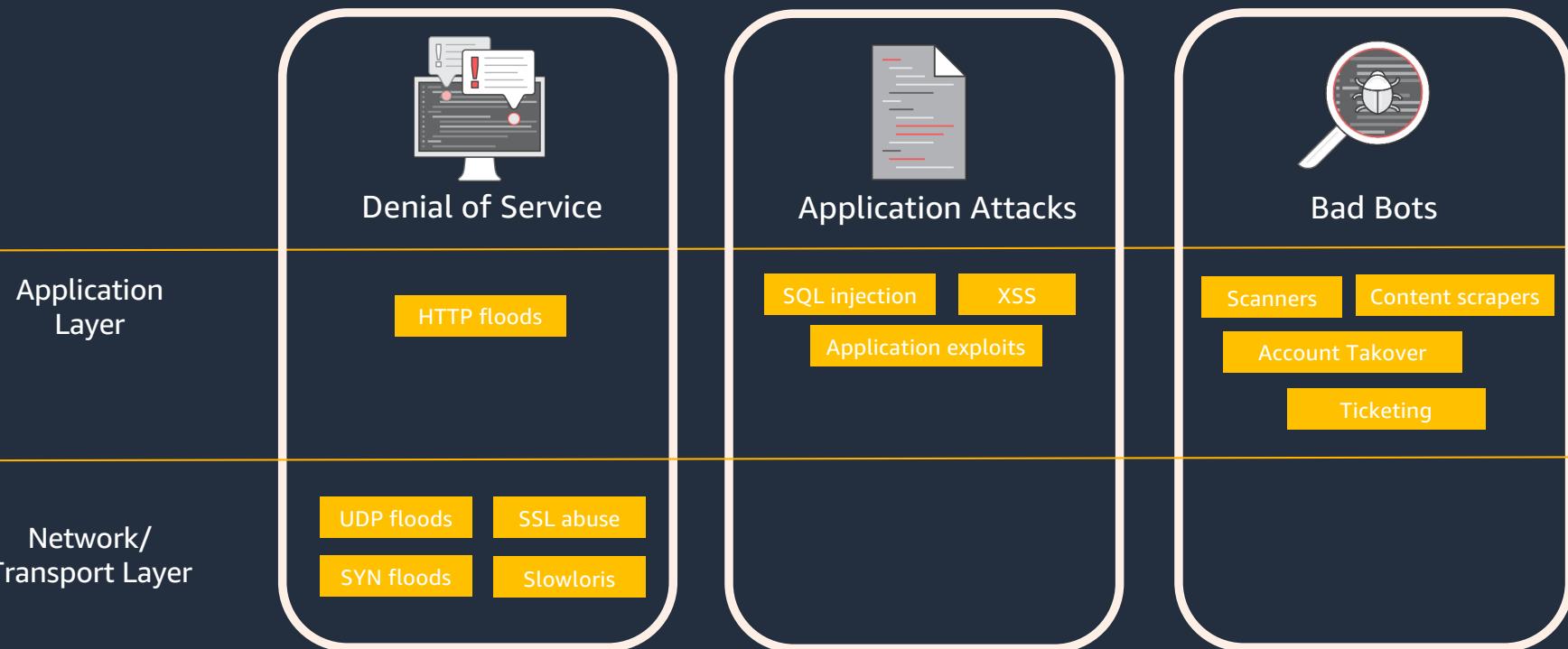


DDoS – Q1 trends 2023

Request Floods



Main threat buckets

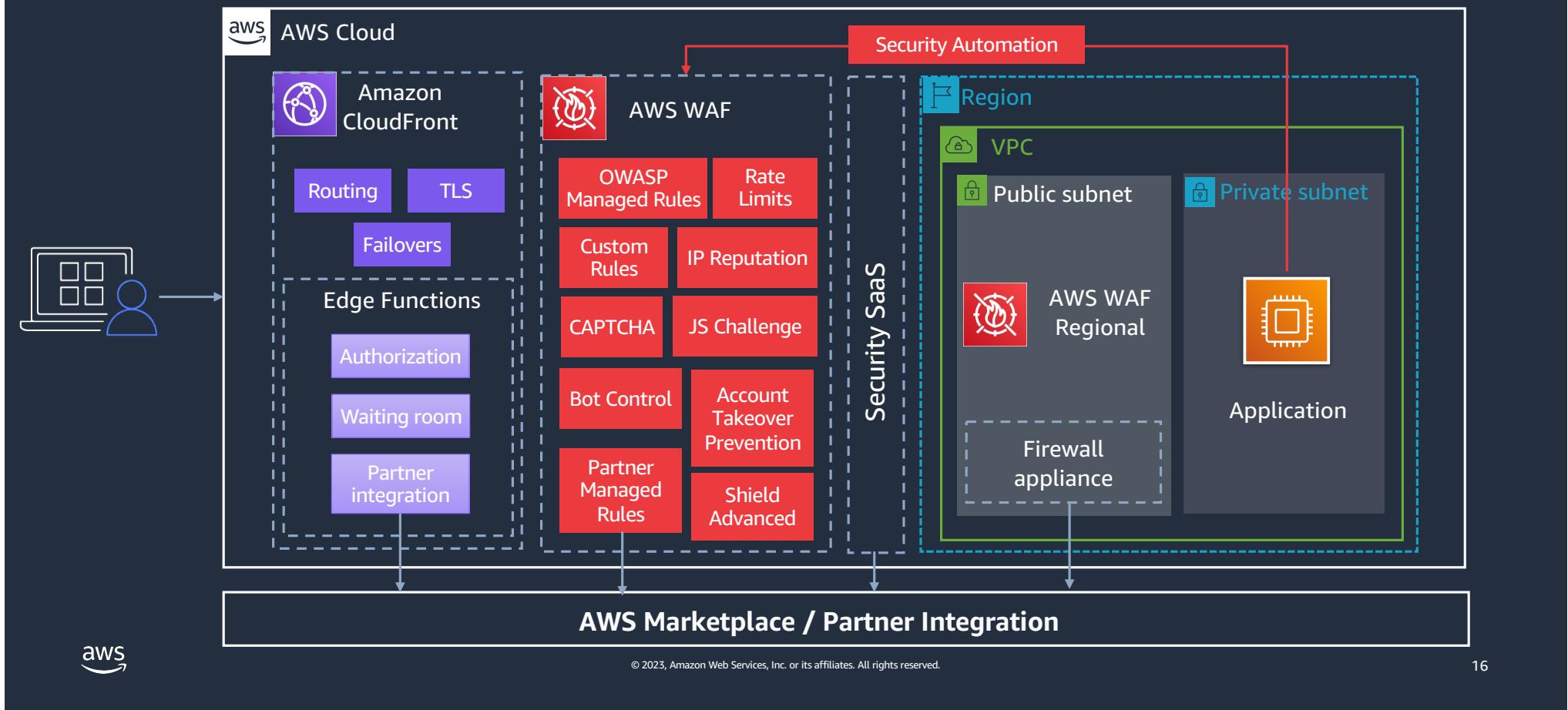


What is your business challenge?

- Prevent the purchase of tickets by 3rd party agencies
- Maintain the availability of a legacy application
- Protect against organized politically driven DDoS attacks
- Guard against zero-day threats and other threats
- Prevent content scraping by content aggregators
- Audit unprotected endpoints in large distributed organization
- Control scaling costs during DDoS attacks



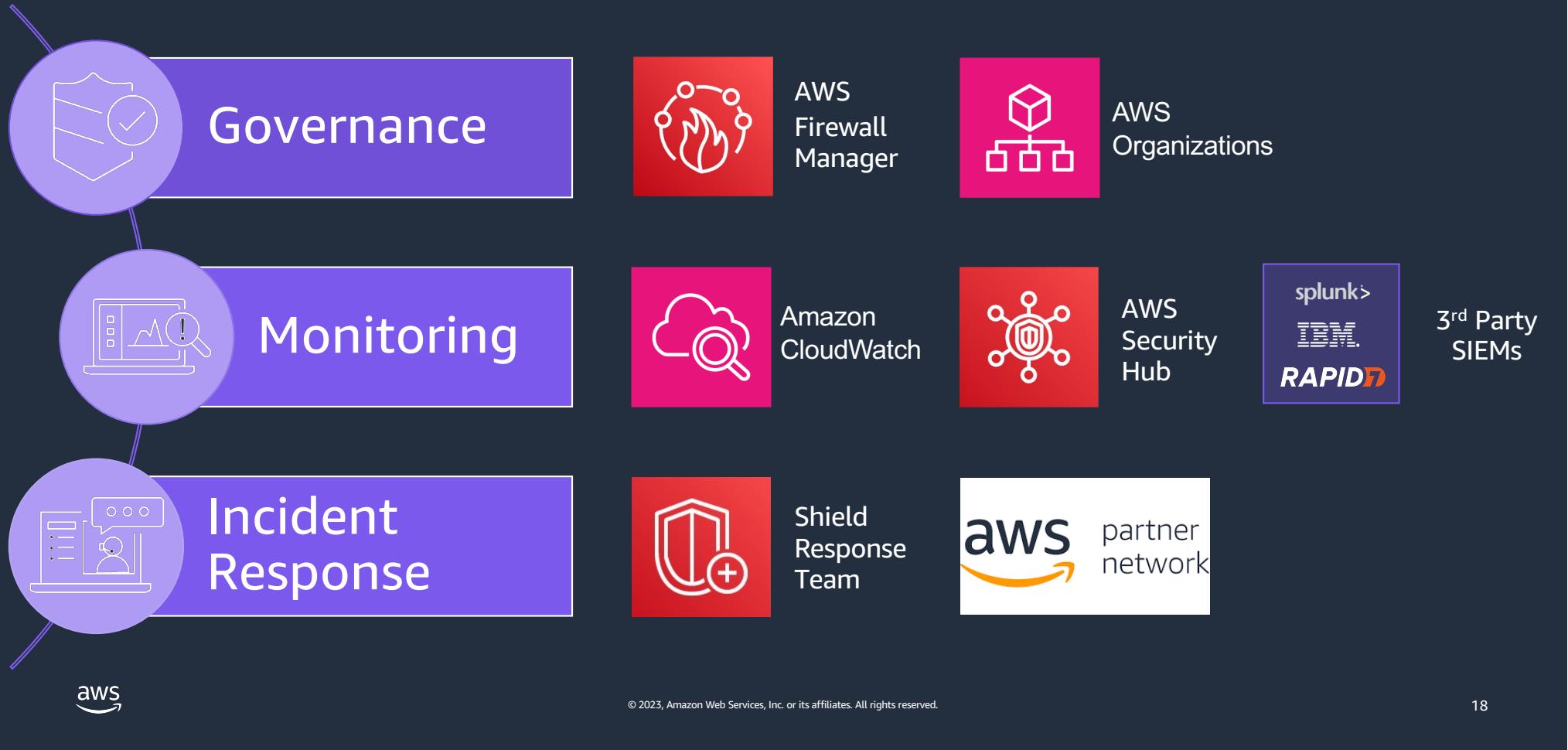
Breadth and Depth of AWS Edge Security Toolbox



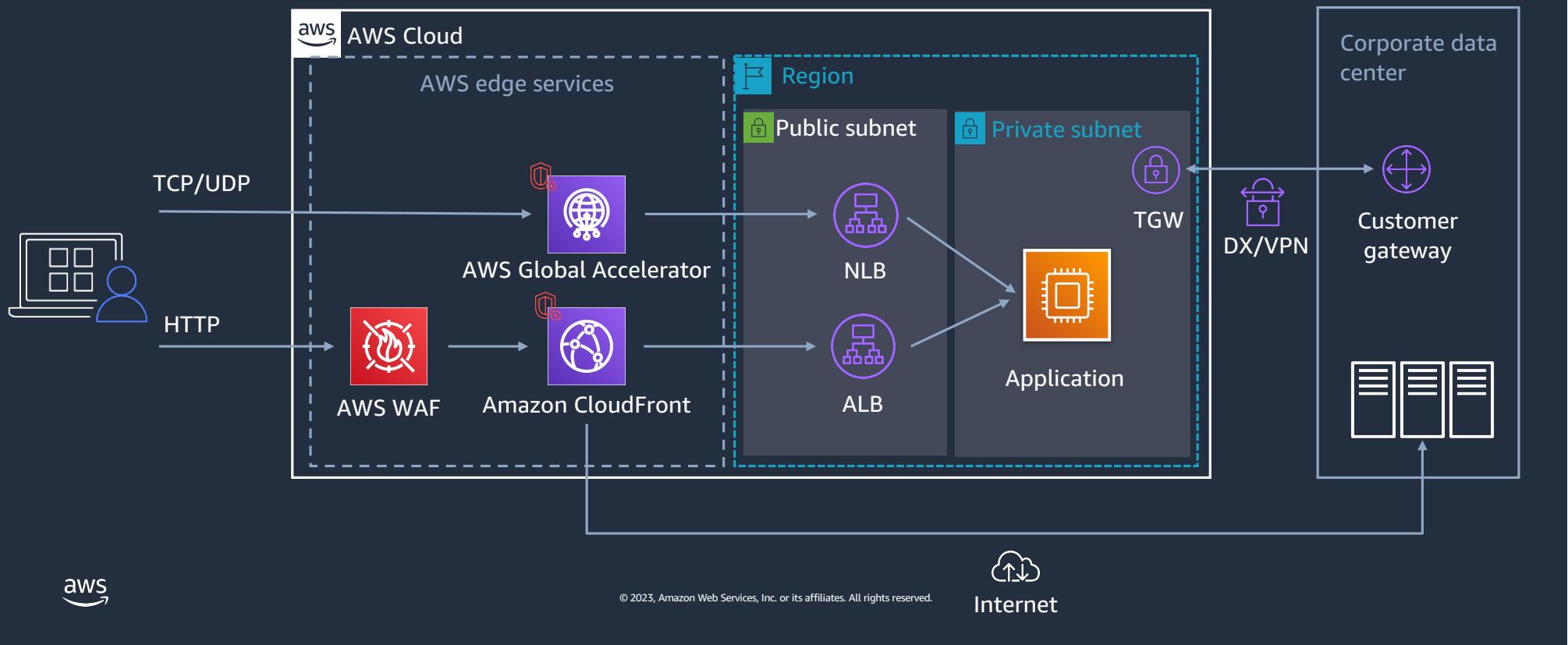
Key Partnership – AWS security services



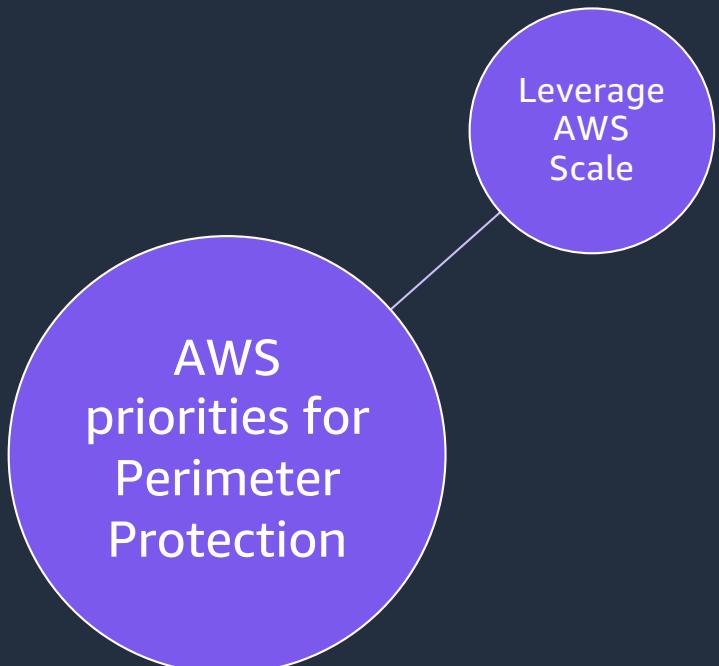
Security Governance & Operations



Other scenarios: On prem web apps, non HTTP apps



*"Make our cloud-native security services the best
and obvious choice for the vast majority of
customers running on AWS"*



AWS
priorities for
Perimeter
Protection

Leverage
AWS
Scale



*"Make our cloud-native security services the best
and obvious choice for the vast majority of
customers running on AWS"*

AWS priorities for Perimeter Protection

Leverage
AWS
Scale

Enrich the
Ecosystem



Introducing Account Creation Fraud Prevention

Detect and mitigate against **fraudulent account creation attempts**



- Reputational and Behavioral heuristics
- Stolen credentials and automated browser checks
- Blocks multiple requests using same attributes like phone number or physical address



- Prevent sign-up attempts from automated bots
- Stop abuse of promotional or sign-up bonuses
- Response inspection allows blocking of high rate of failed creation attempts (CHECK)



- Pay-as-you-go pricing
- Tiered price reduces request fee as you scale

*"Make our cloud-native security services the best
and obvious choice for the vast majority of
customers running on AWS"*

AWS priorities for Perimeter Protection

Leverage
AWS
Scale

Enrich the
Ecosystem

Simplify
Adoption



Key Takeaways

- Work backwards from your business challenges - Threat Modeling
- Carefully design your systems – Well Architected Framework
- Implement the appropriate security controls from AWS – Breadth and Depth of services
- Adopt a layered security approach
- Leverage your trusted AWS Partners



Next Steps – Bias For Action

- More in depth conversation with AWS teams about your business challenges
- Consider a PoC sponsored by AWS
- Afternoon hands-on workshop





Thank you!



[achrafsouk](#)