



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

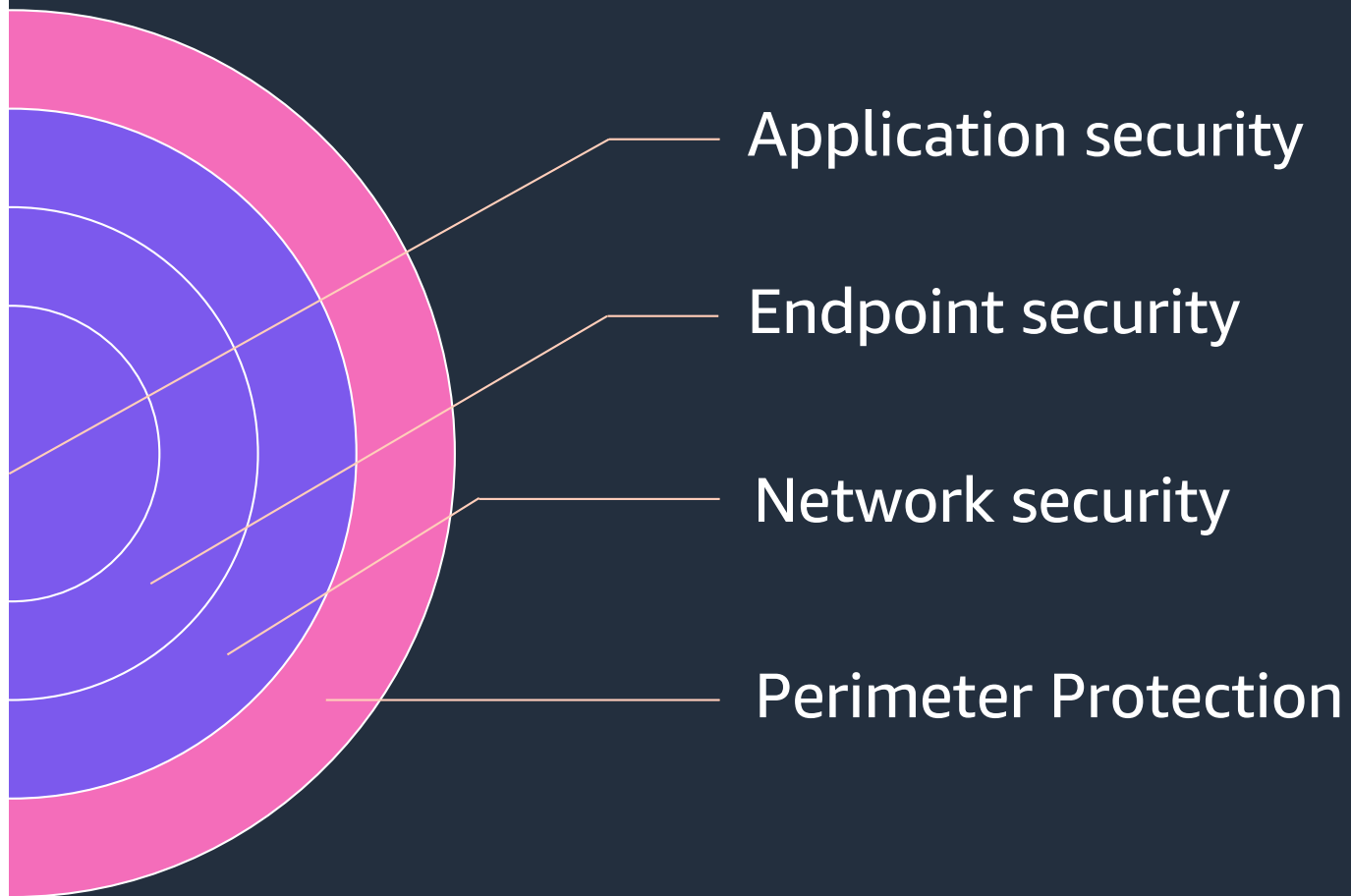
Keynote:
Understanding the threat landscape

Achraf Souk

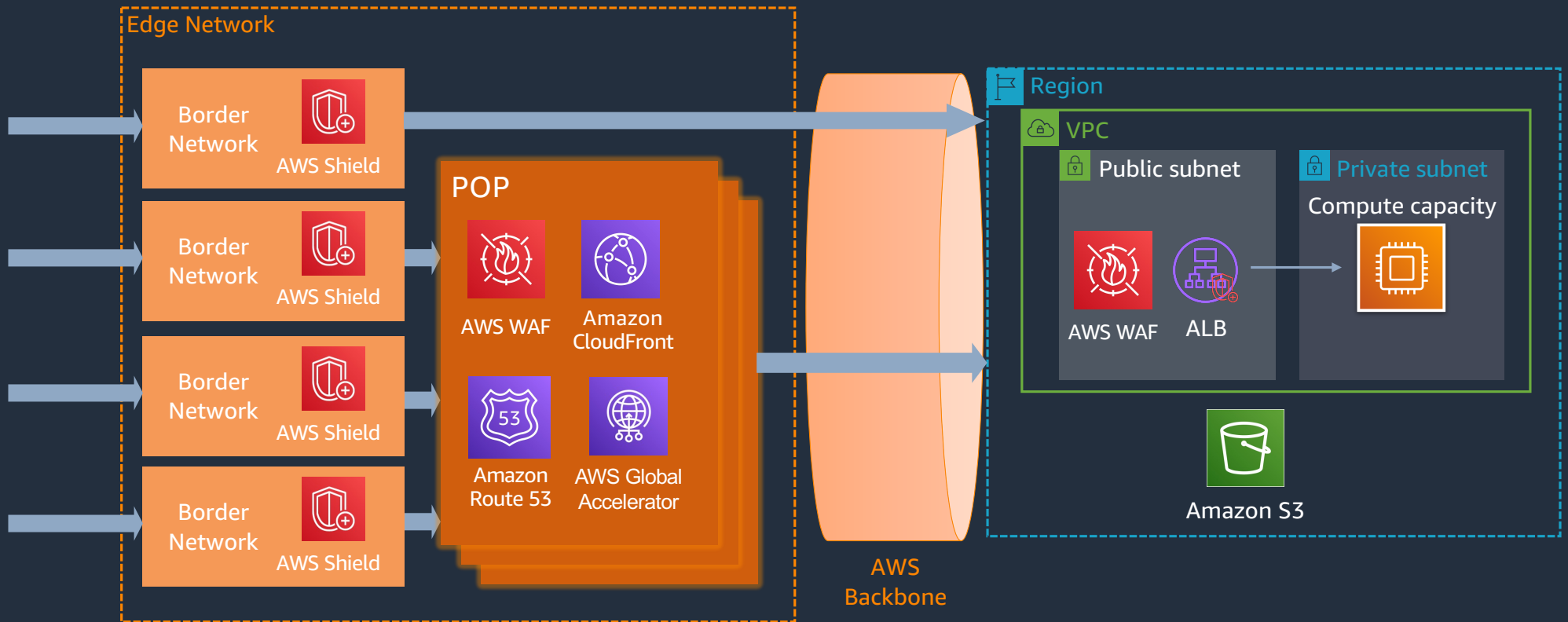
Sr Manager, Edge Services Specialist SA, EMEA







AWS Edge Services

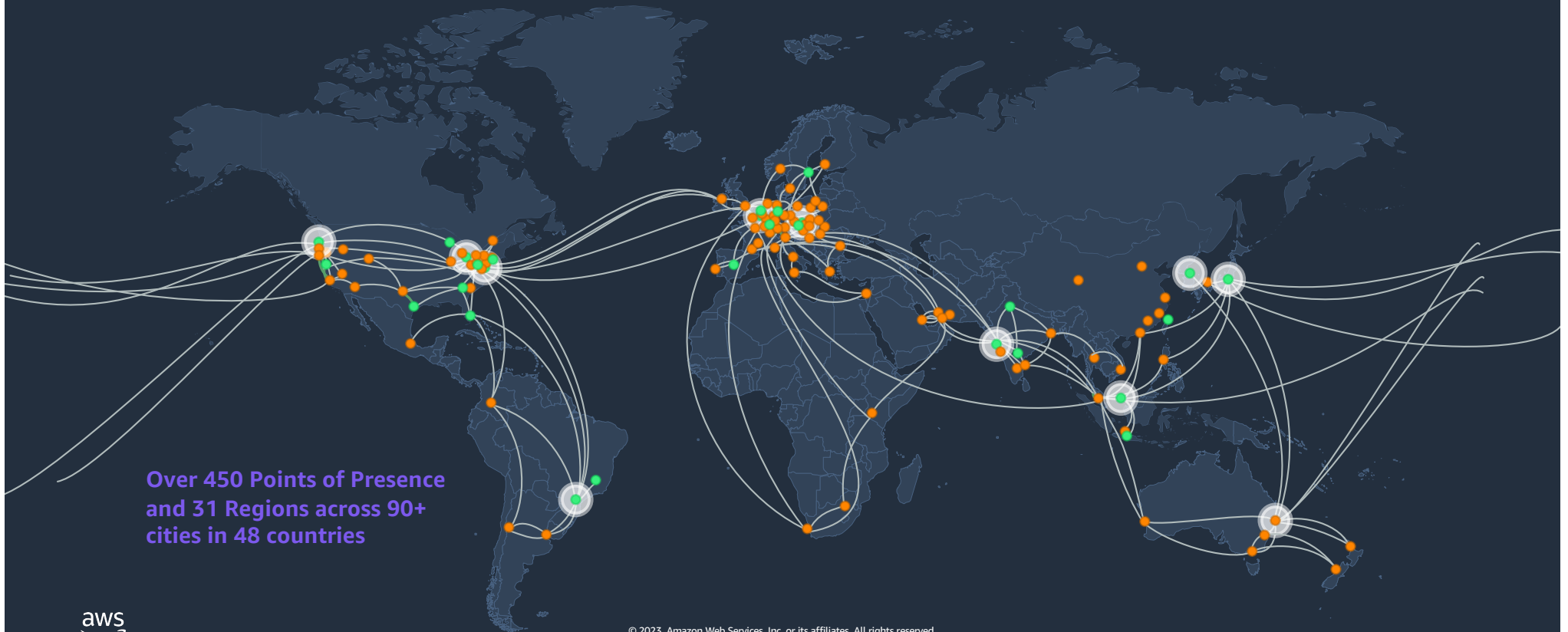


AWS reach and scale to detect threats

300Gb of flow logs
ingested every second

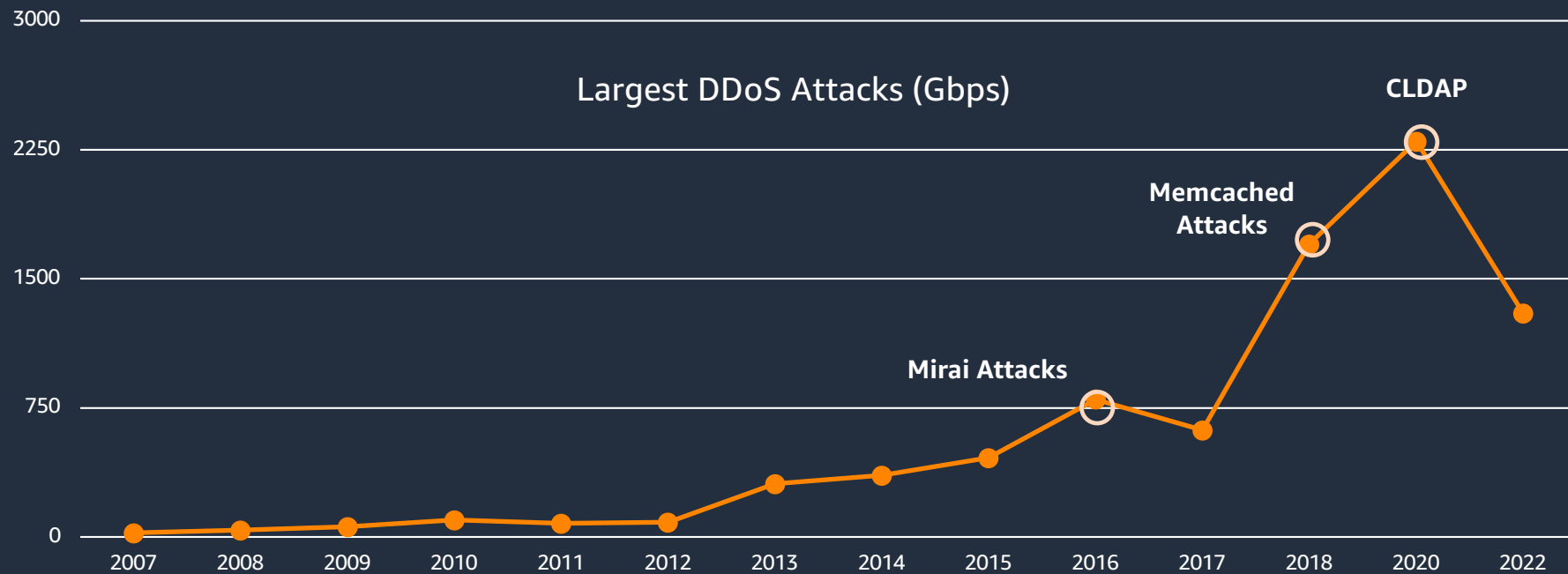
100+ billion AWS managed rules
requests processed per day

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)

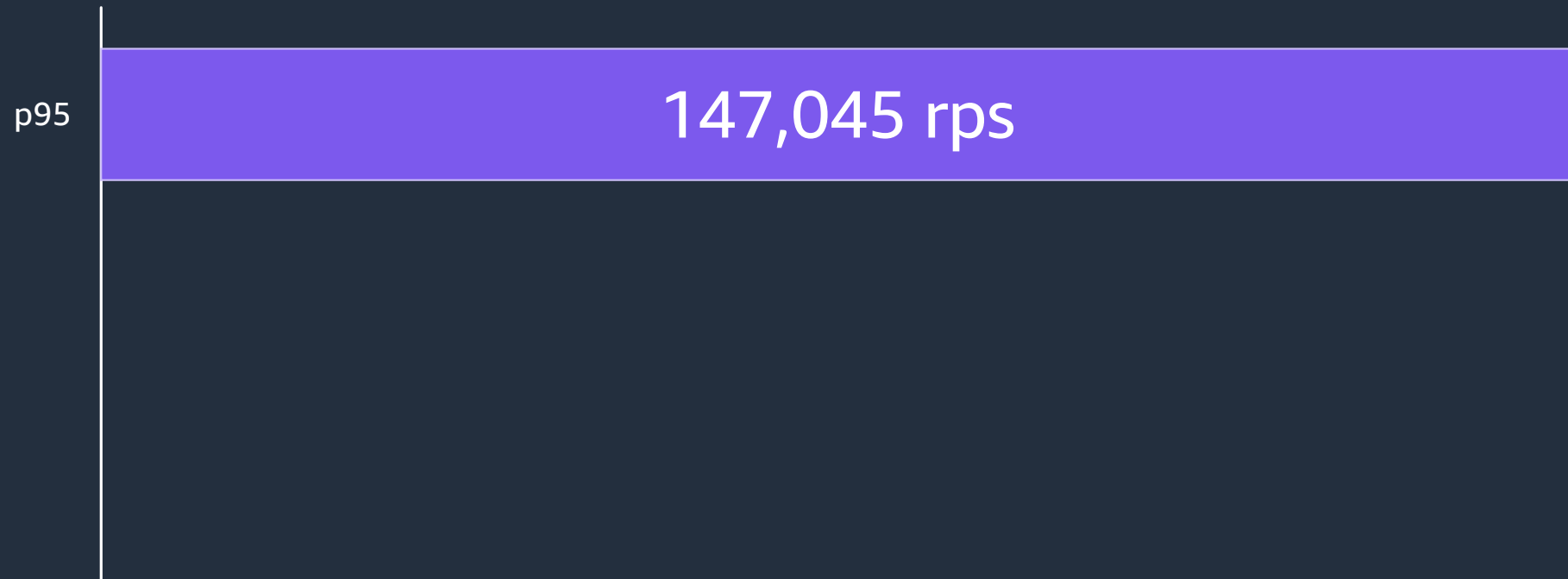
+5% from 2022 Q4 ↑



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

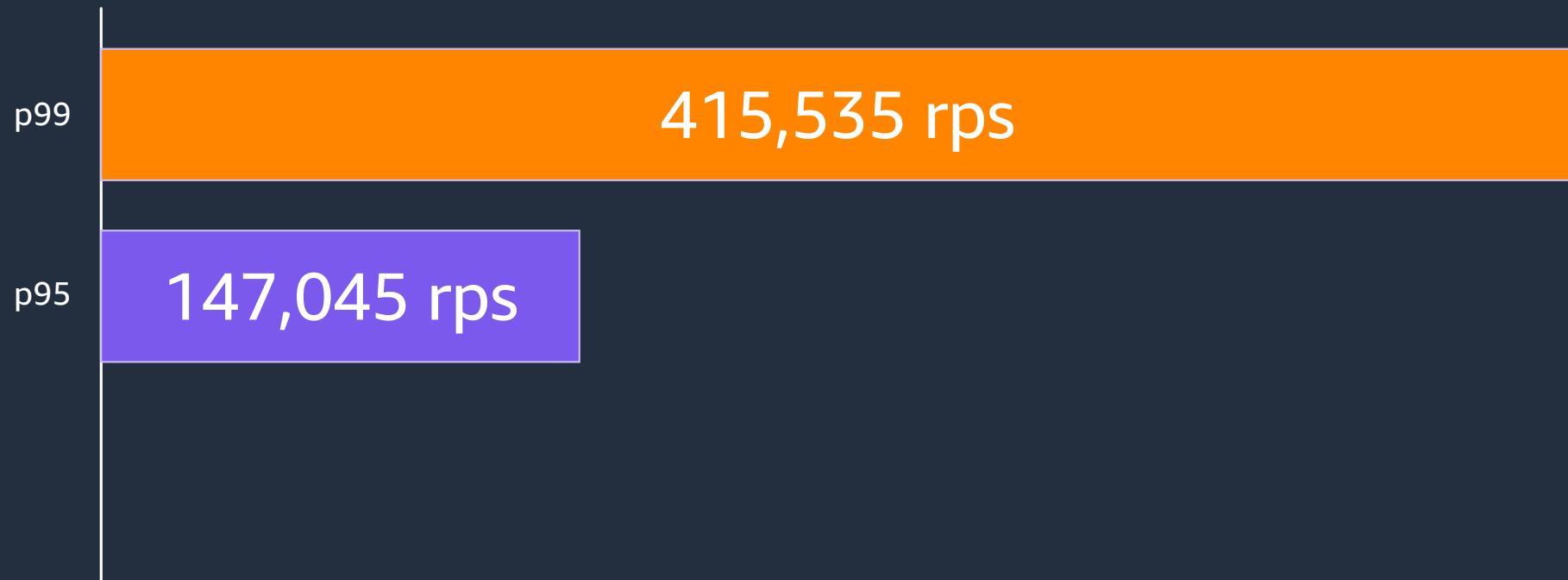
DDoS – Q1 trends 2023

Request Floods



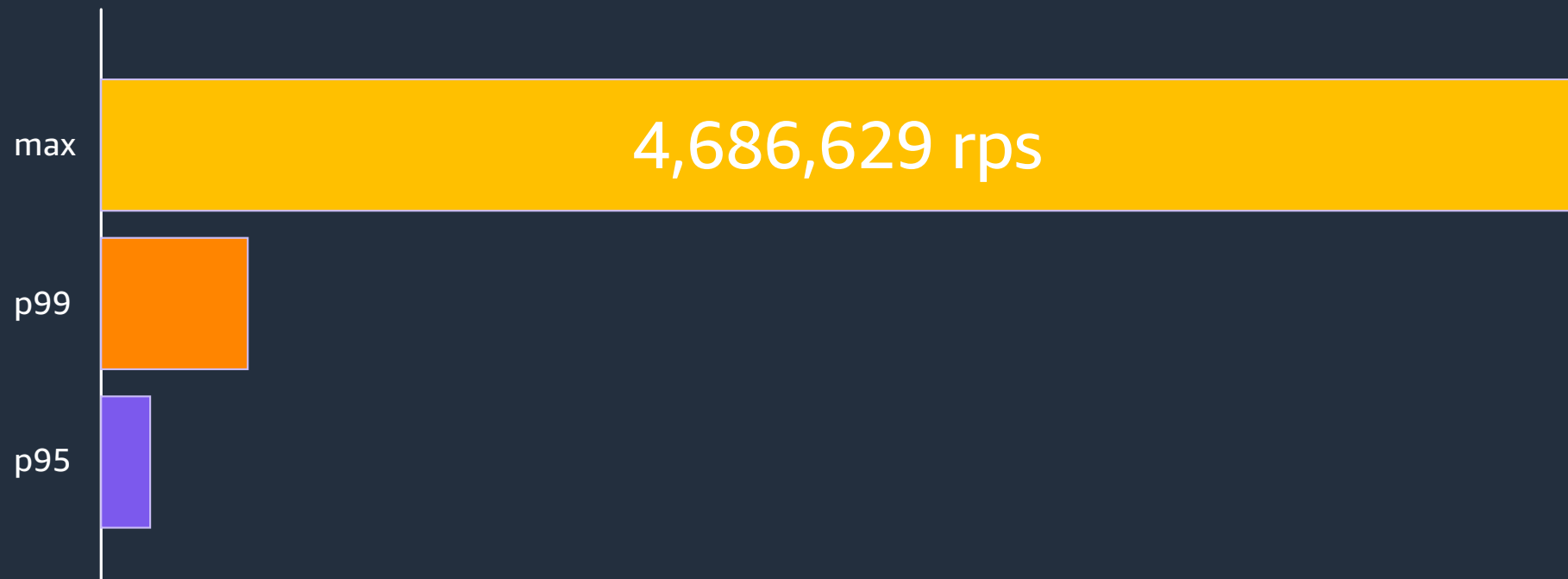
DDoS – Q1 trends 2023

Request Floods

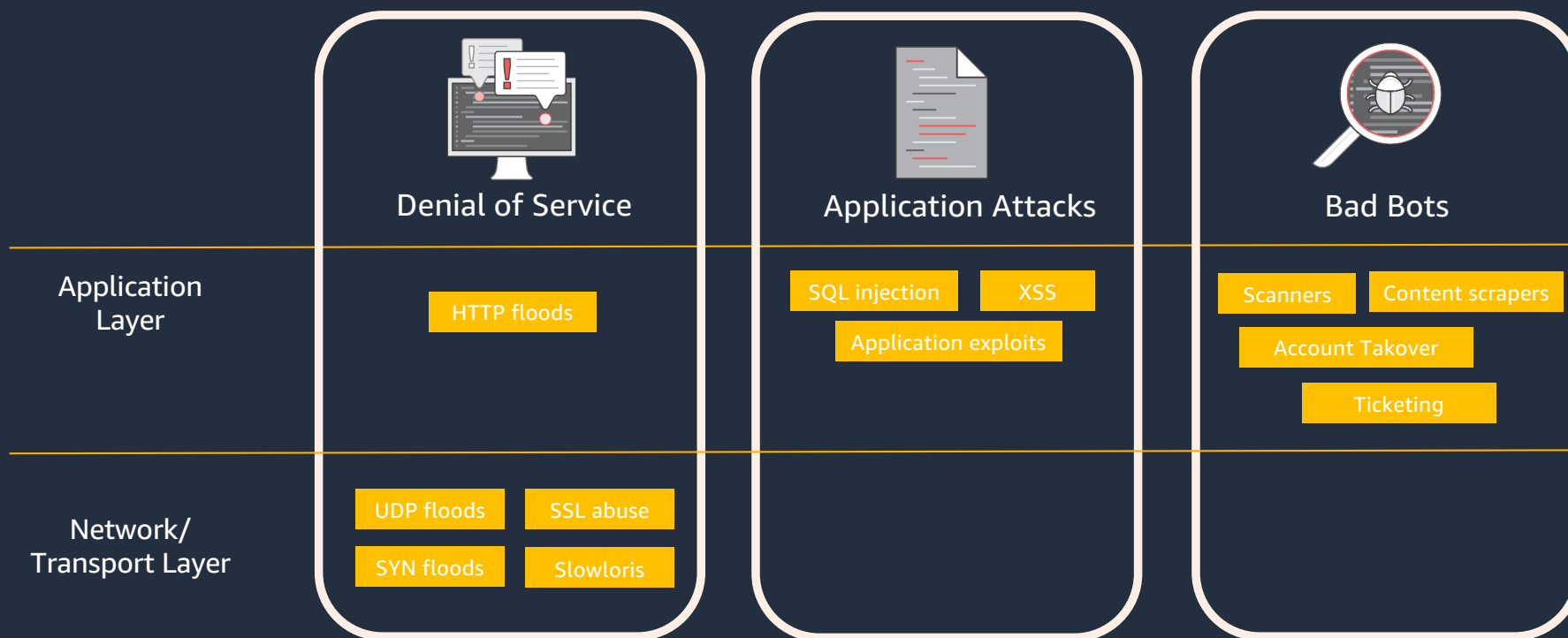


DDoS – Q1 trends 2023

Request Floods



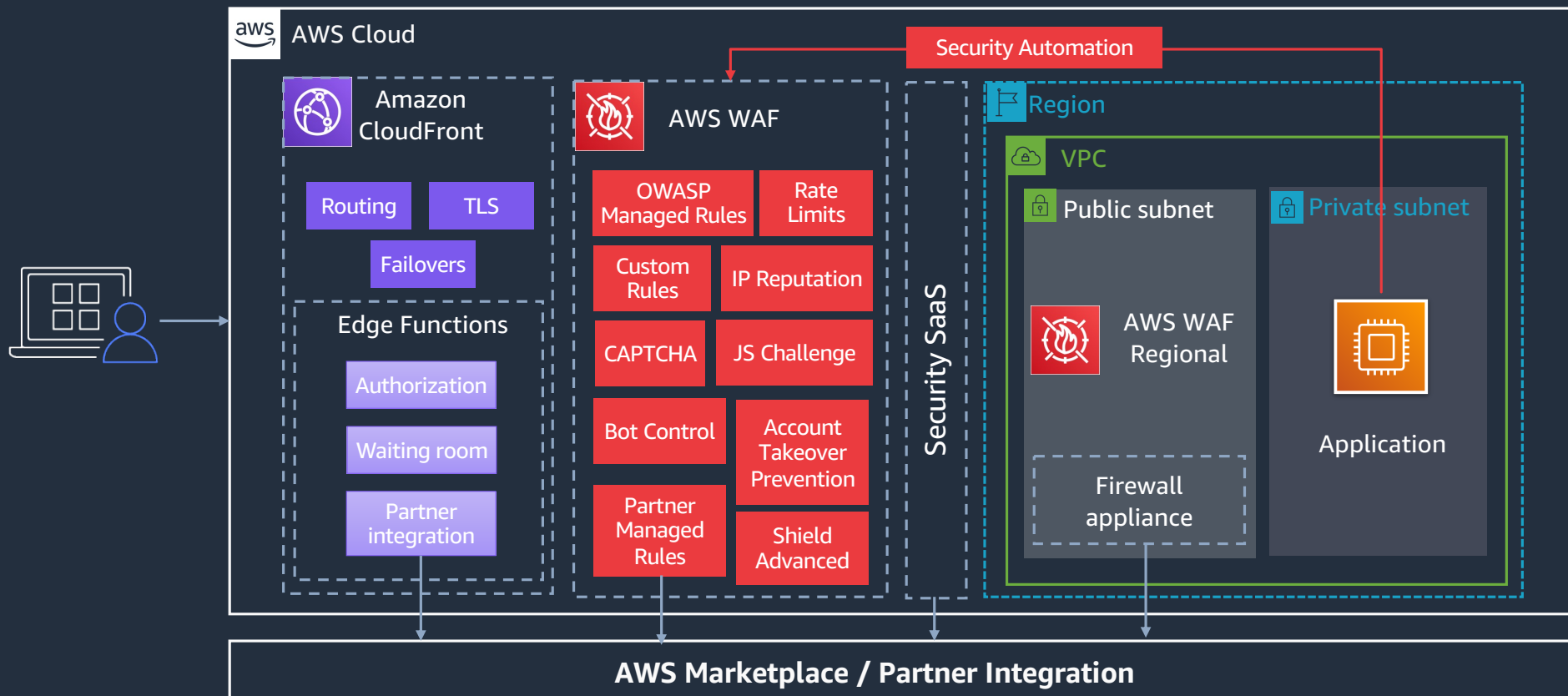
Main threat buckets



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



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

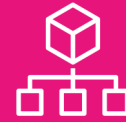
Security Governance & Operations



Governance



AWS
Firewall
Manager



AWS
Organizations



Monitoring



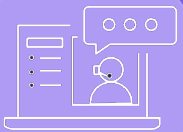
Amazon
CloudWatch



AWS
Security
Hub



3rd Party
SIEMs



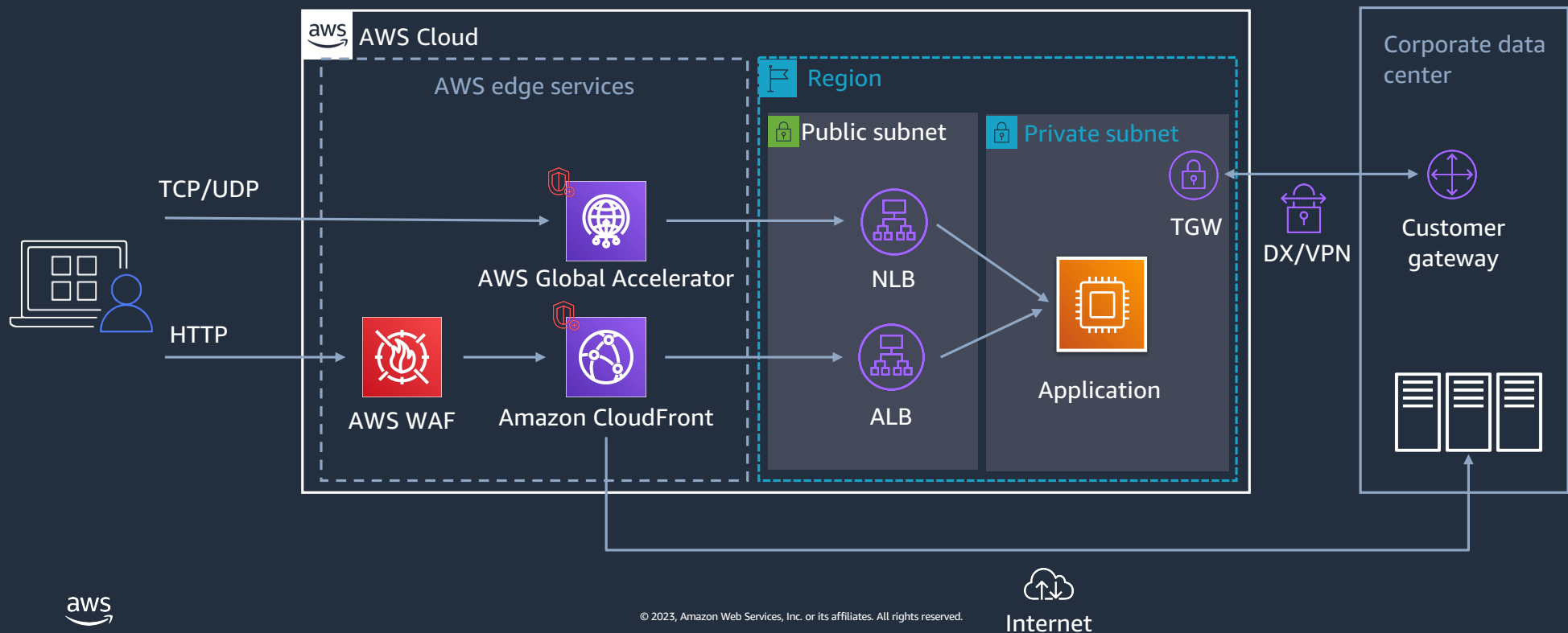
Incident Response



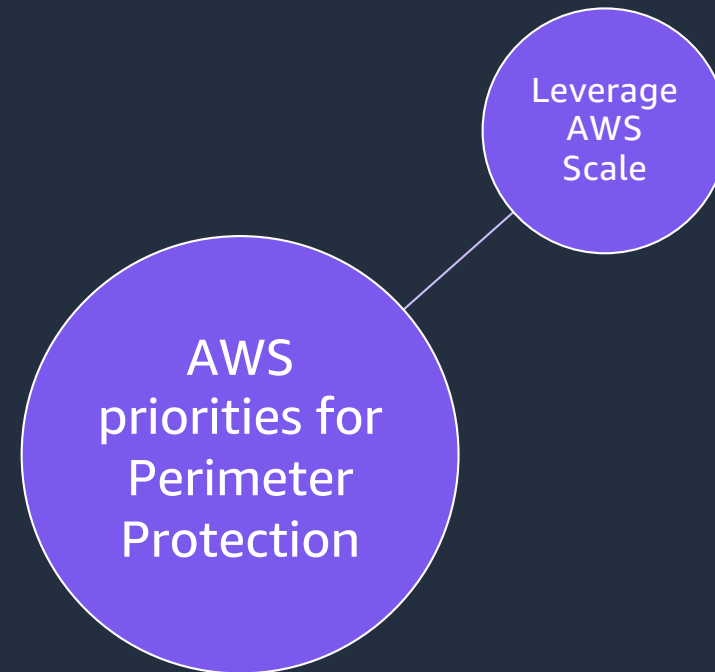
Shield
Response
Team



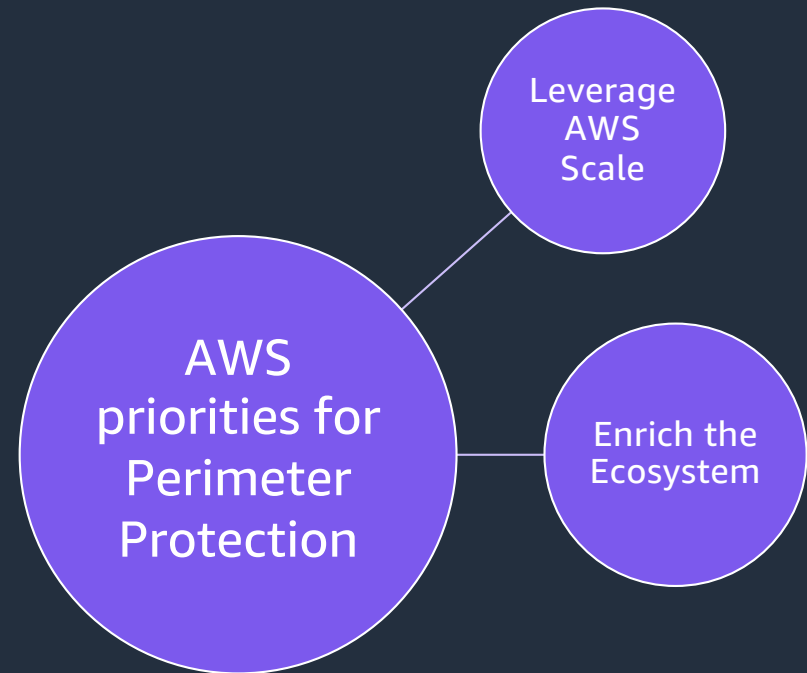
Other scenarios: On prem web apps, non HTTP apps



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



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



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

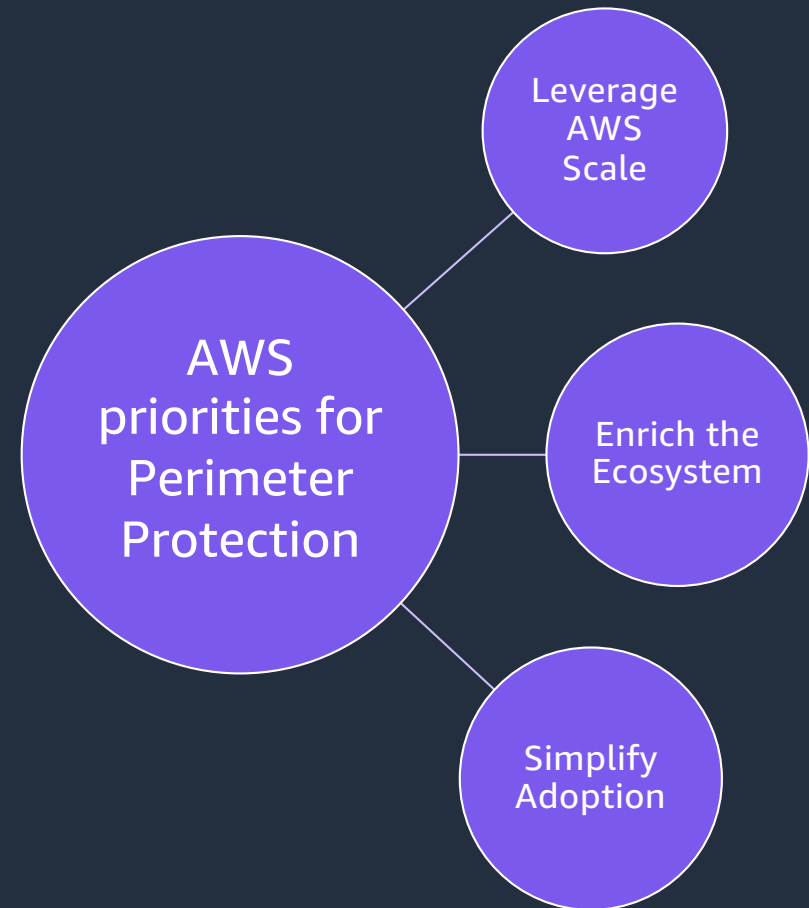


- Prevent sign-up attempts from automated bots
- Stop abuse of promotional or sign-up bonuses
- Response inspection allows blocking of high rate of failed creation attempts (CHECK)



- 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"



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!

