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Cloud Day Türkiye
ISTANBUL | 24 EYLÜL 2024

IOE353

How Ebebek leverages AWS edge network with Amazon CloudFront

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Buffering Rates

Failover

Scraping

SEO

Multi-region

CVEs

DDoS

Core Web Vitals

Access Control

Security governance

Response times

Crawlers

Edge Computing

Scaling

DTO

Account Takover

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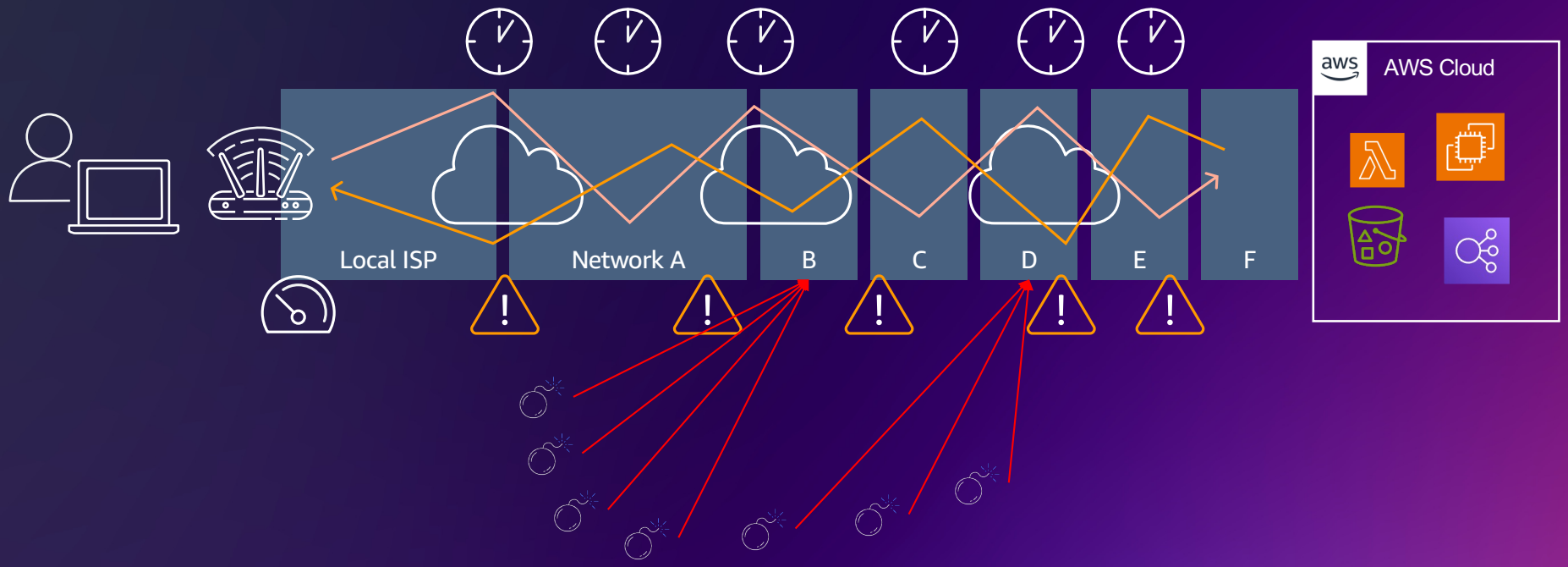
The internet is unpredictable and home to malicious activites



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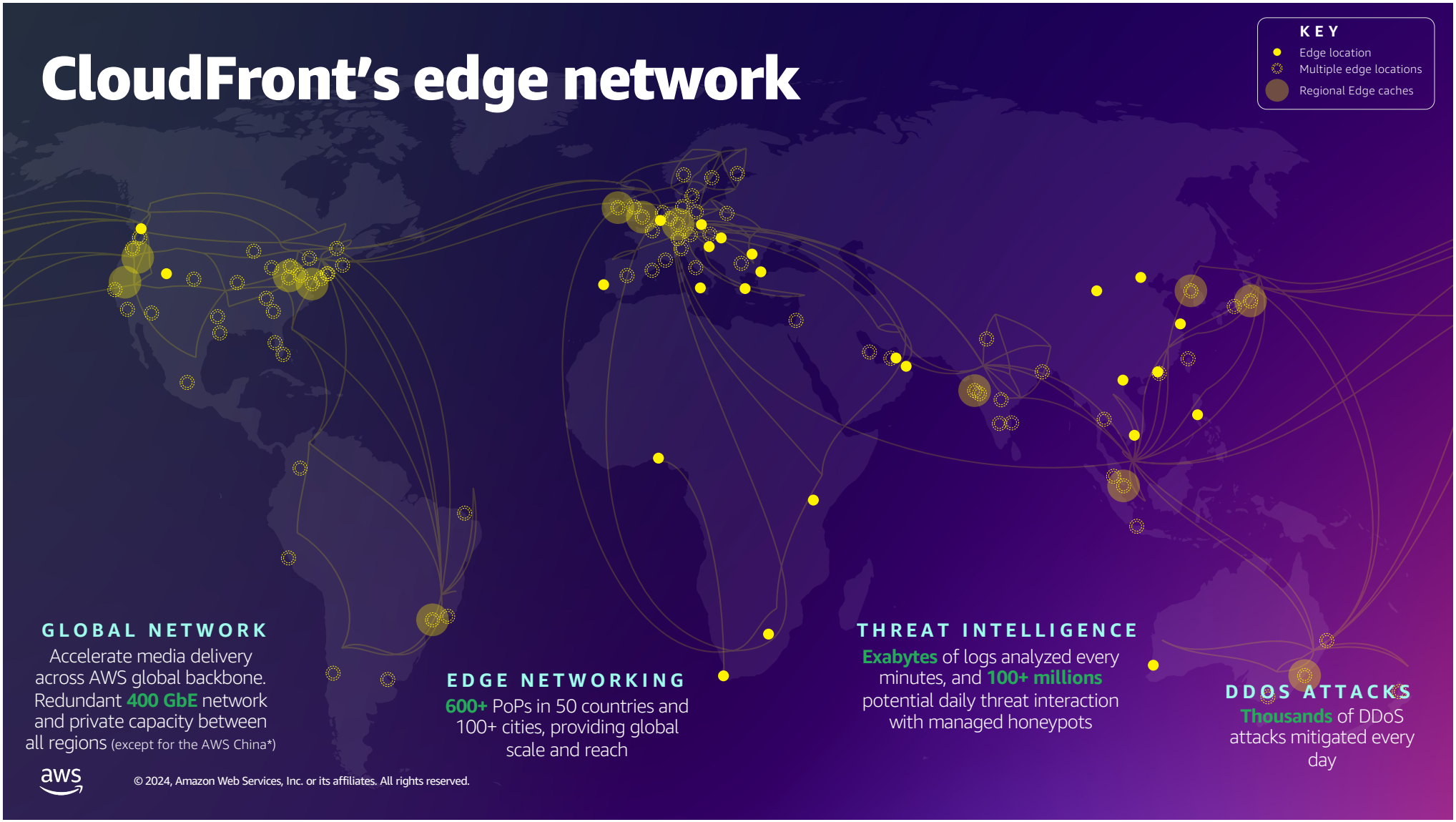
CloudFront's edge network



GLOBAL NETWORK

Accelerate media delivery across AWS global backbone. Redundant **400 GbE** network and private capacity between all regions (except for the AWS China*)

EDGE NETWORKING

600+ PoPs in 50 countries and 100+ cities, providing global scale and reach

THREAT INTELLIGENCE

Exabytes of logs analyzed every minutes, and **100+ millions** potential daily threat interaction with managed honeypots

DDOS ATTACKS

Thousands of DDoS attacks mitigated every day

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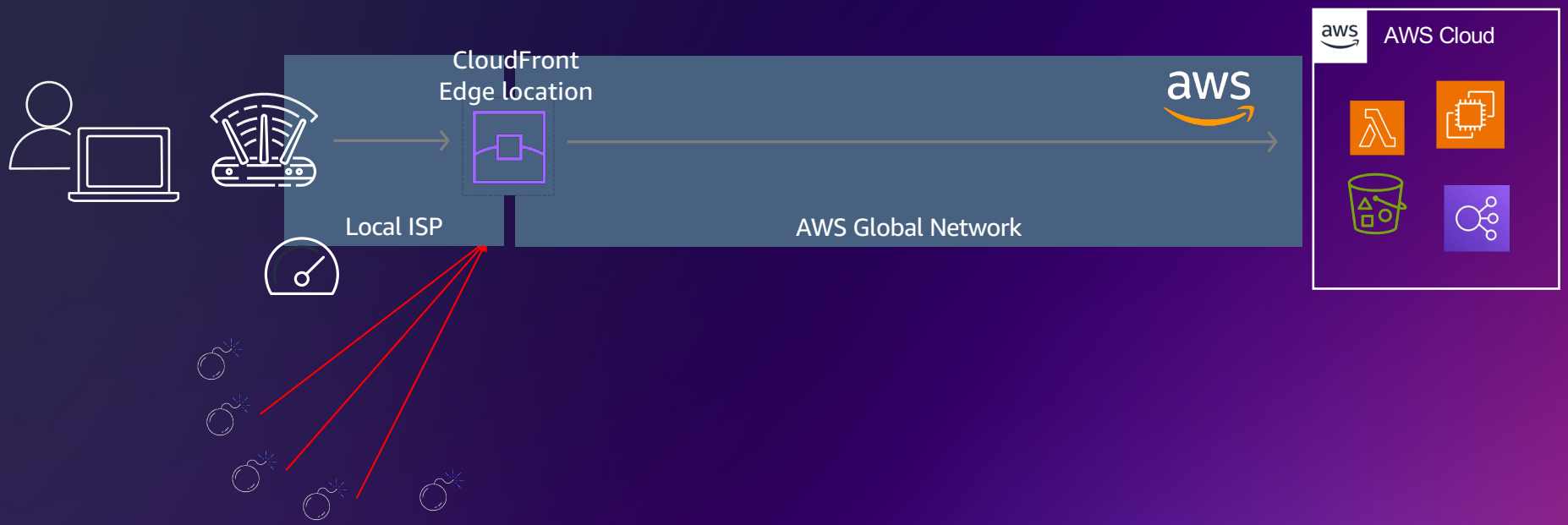
Edge network to overcome internet challenges



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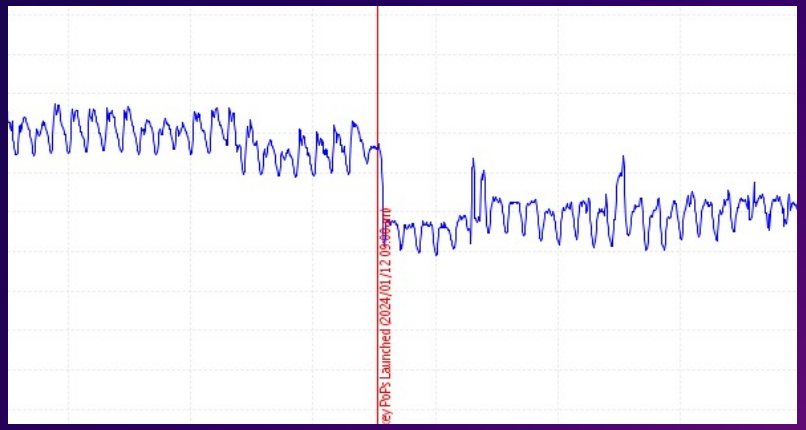
CloudFront in Turkey

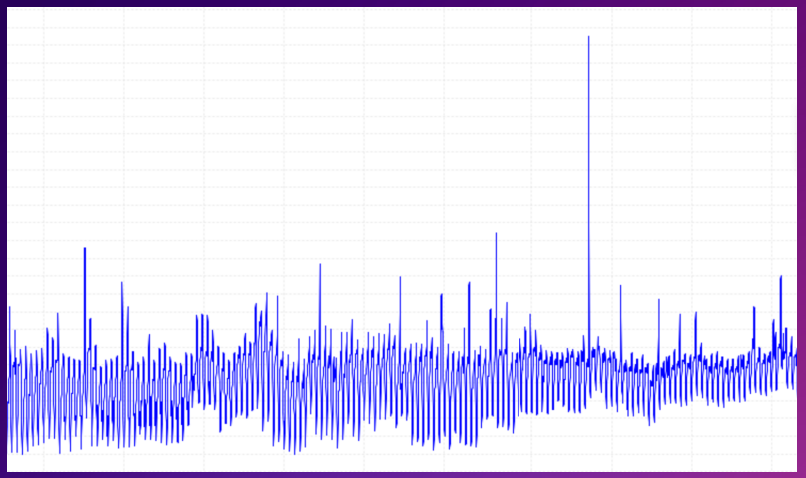
- Launch in Q1 24 of first 2 PoPs
- 30% decrease in Latency

P50



- + 2 PoPs
- + Hundreds of peering Gbps

P90



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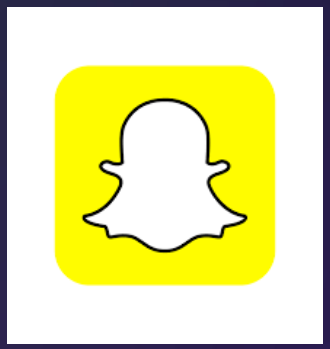
What does it mean for Turkish citizens?



SUPERCELL

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Mental model for using CloudFront

AWS Cloud

CloudFront, a globally distributed reverse proxy

Performance

- Caching
- Compression
- Edge functions

Common logic

- A/B testing
- Redirections

Security

- Security Headers
- AWS WAF
- Bot Management
- Account Takeover
- DDoS
- CVEs

Availability

- Routing
- Failover
- Load balancing
- Multi region deployments

Integration

Technology Partners

AWS global Backbone

AWS Region

VPC

Application

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Awesome byproduct: An optimized AWS bill

- Always on free tier or Private Pricing
- Compression means lower egressed bytes
- Higher cache hit ratio means scaling cost
- Less undesired traffic means lower infrastructure cost

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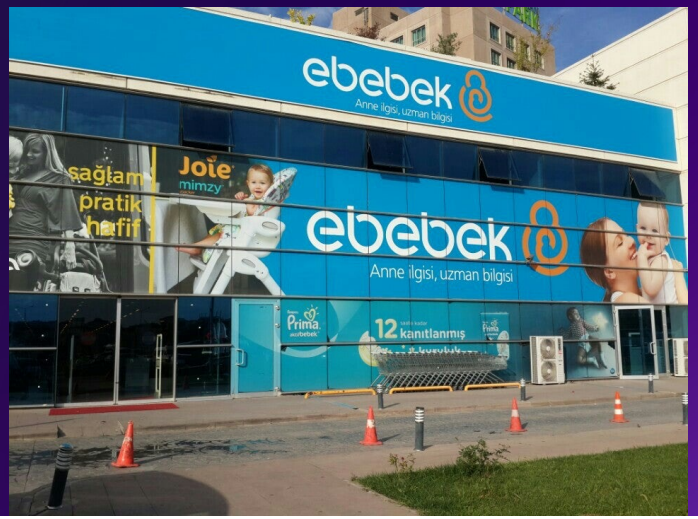
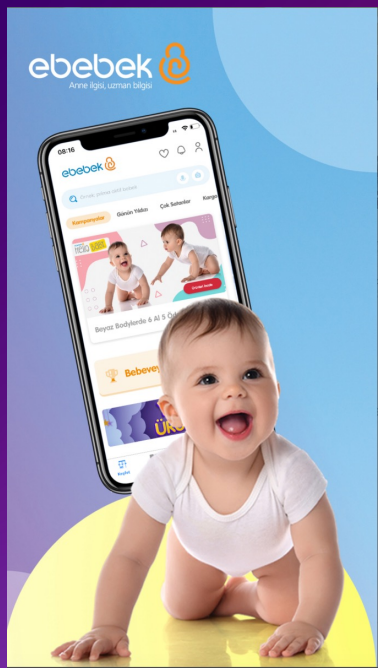
Tanışma

- Canan Beşel Yeşil @ebebek
- Ebebek - 2001 yılına uzanan hikaye
- Ebebek E-Ticaret Teknoloji Ekibi





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Ebebek’te Neler Yapıyoruz?

- SAP Hybris Altyapısı
- 100’e yakın linux sunucu
- MSSQL veritabanı
- IOS/Android native mobil uygulama
- Preprod ortamlarının AWS üzerinde kurulumu
- SAP Rise & Commerce Cloud Projesi

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Ebebek Amazon CloudFront Hikayesi

E-Ticaret puzzle'ı

Artan hacim vs. Hızlı doğru response

Cloudfront CDN geçişi & Error rate düşüşü
(%1-%0,1 >> %0,0001)

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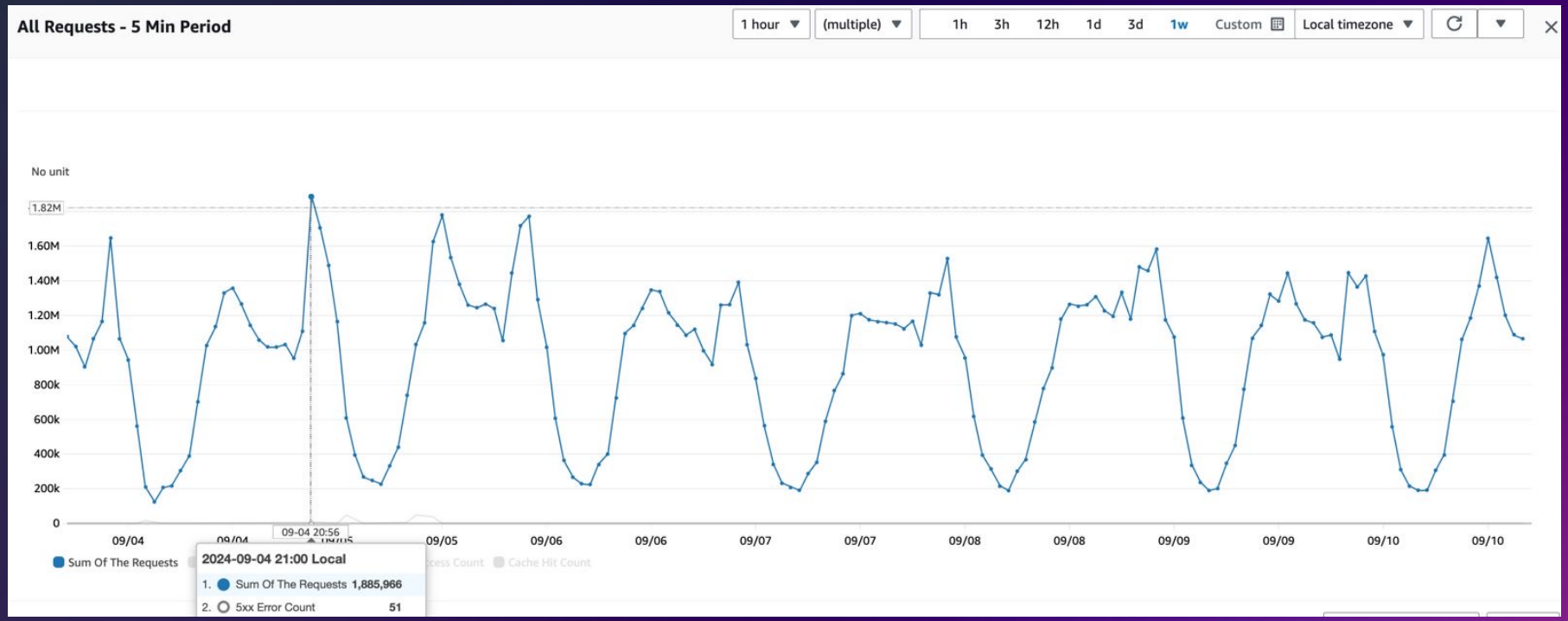
Ebebek Amazon CloudFront Metrikleri



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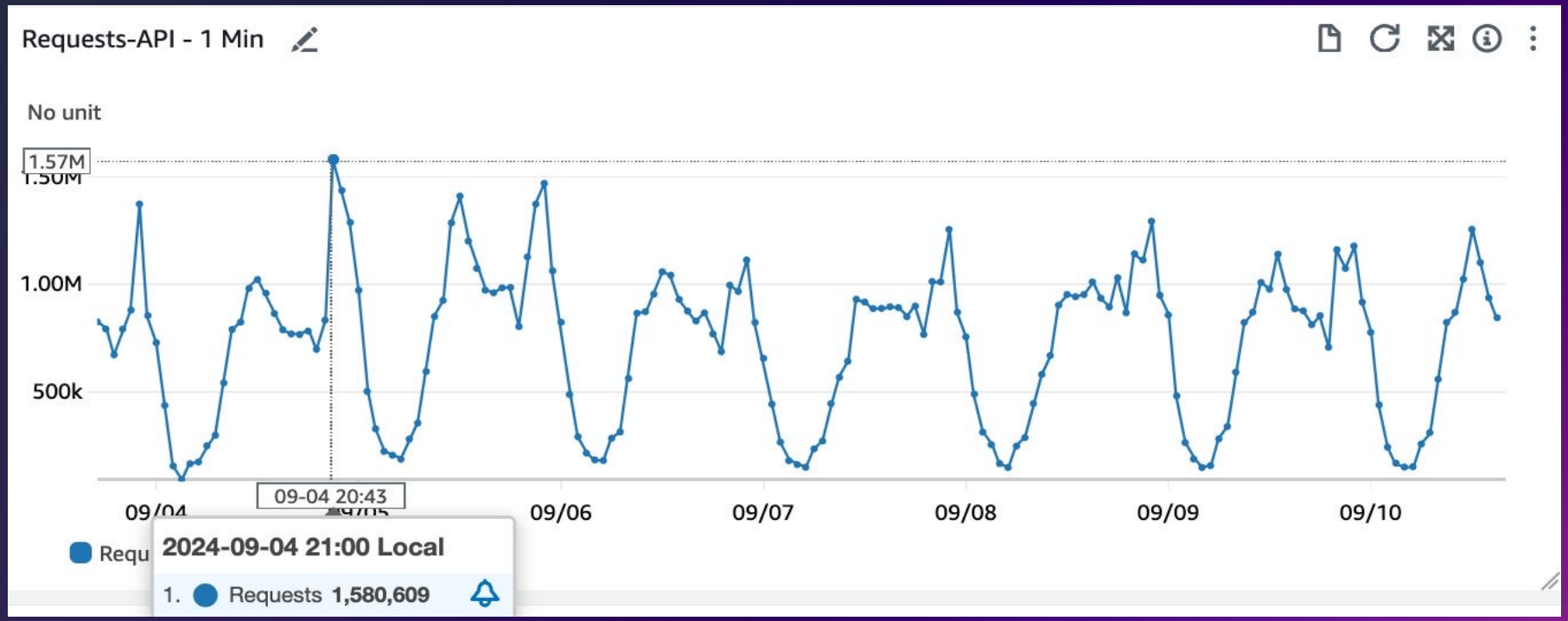

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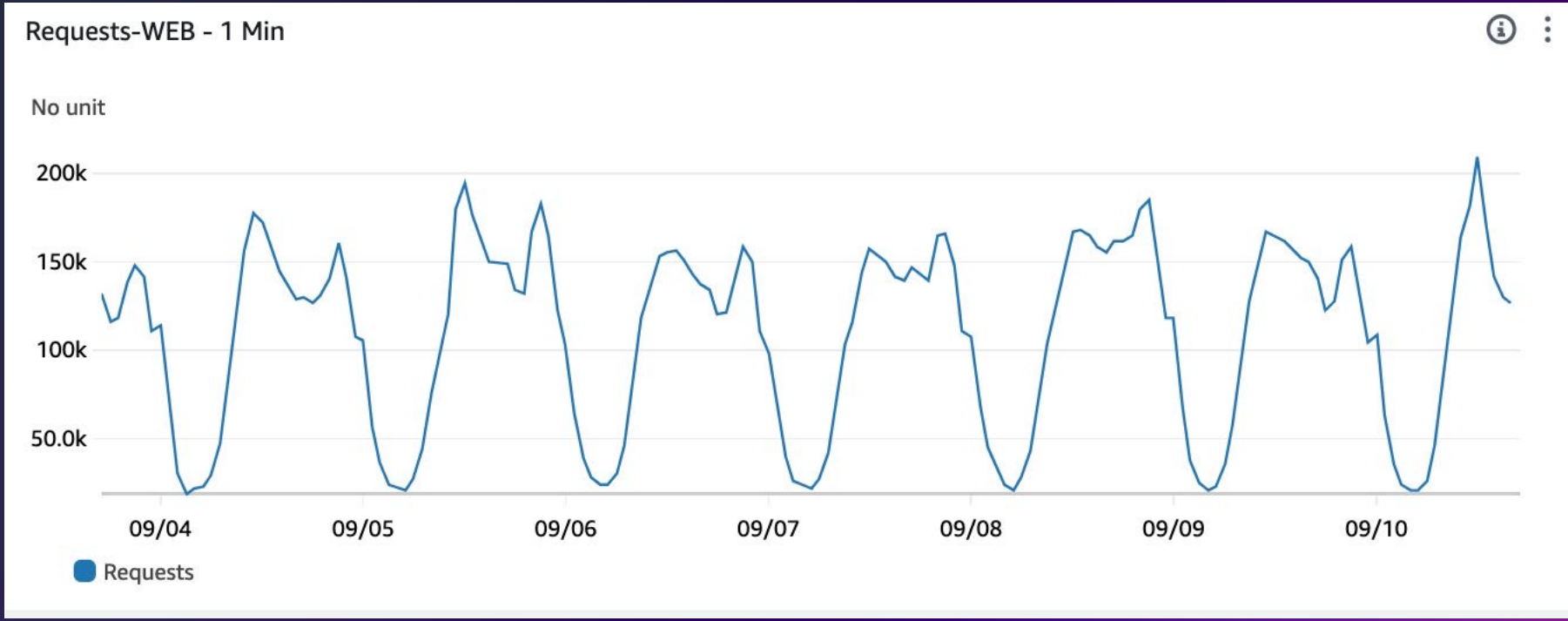

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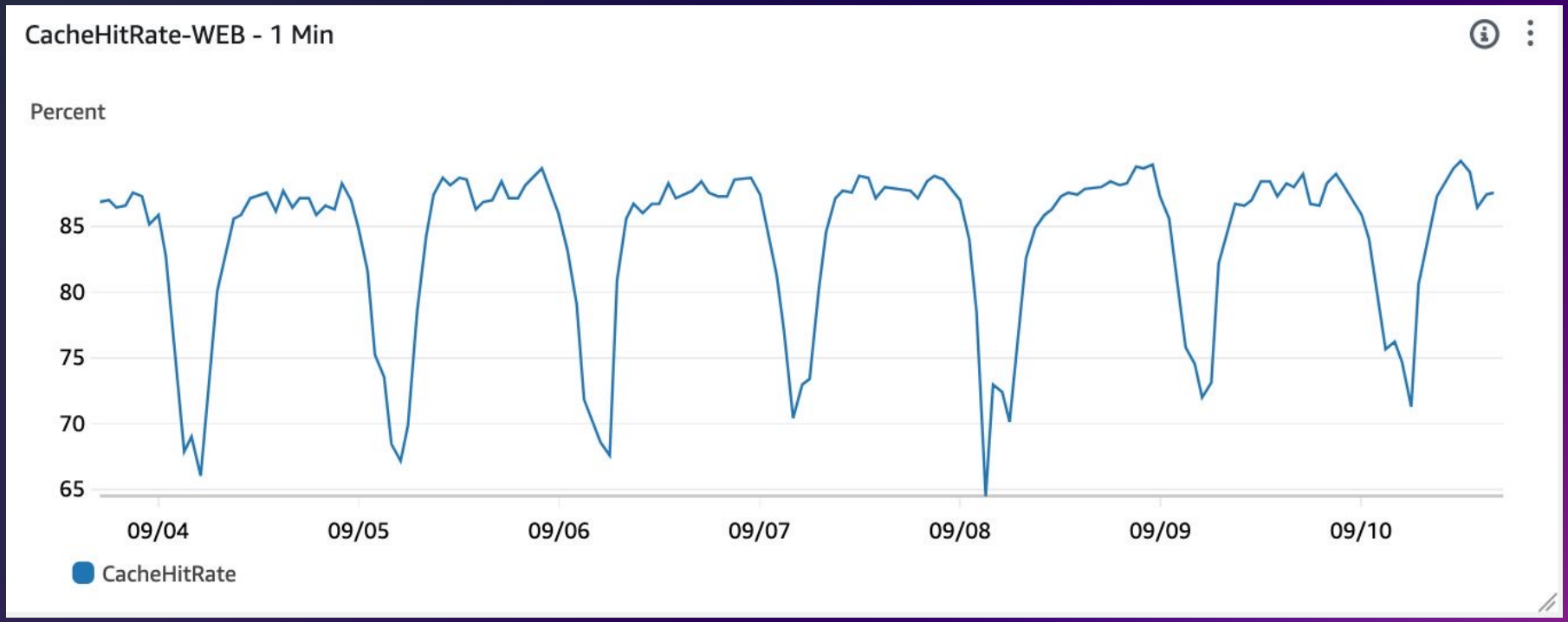

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Ebebek Amazon CloudFront Kazanımları

✓ Realtime loglar

✓ Entegre WAF & Güvenlik

✓ Hızlı içerik dağıtma

✓ Özelleştirilebilir yapı

✓ Kaynak sunucularda azaltılmış yük

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Developer Center
Application Security and Performance

https://s12d.com/edge4dev

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Thank you!

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