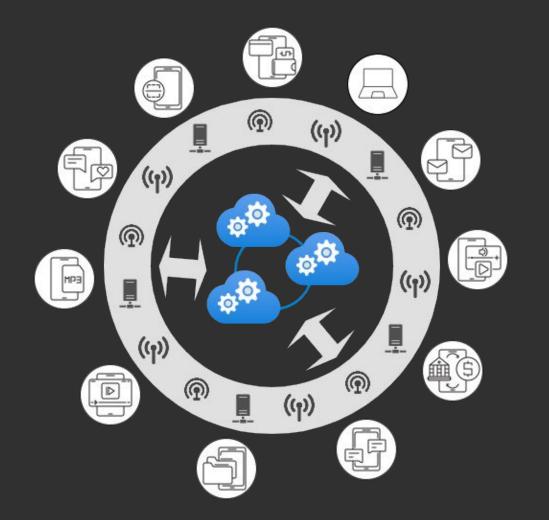
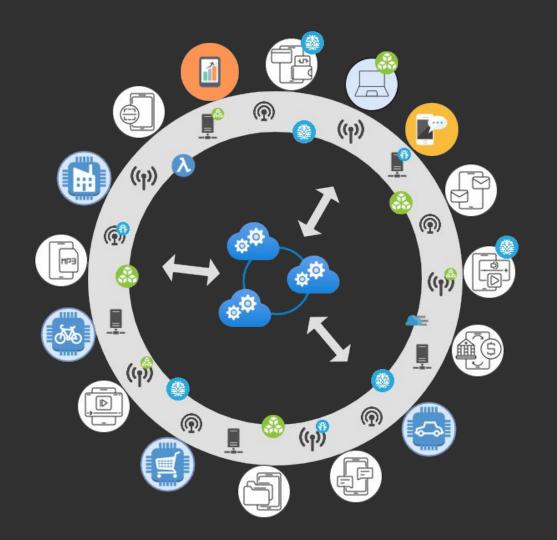
## EDGE COMPUTING

## Evolução rumo à descentralização



## Principais Características

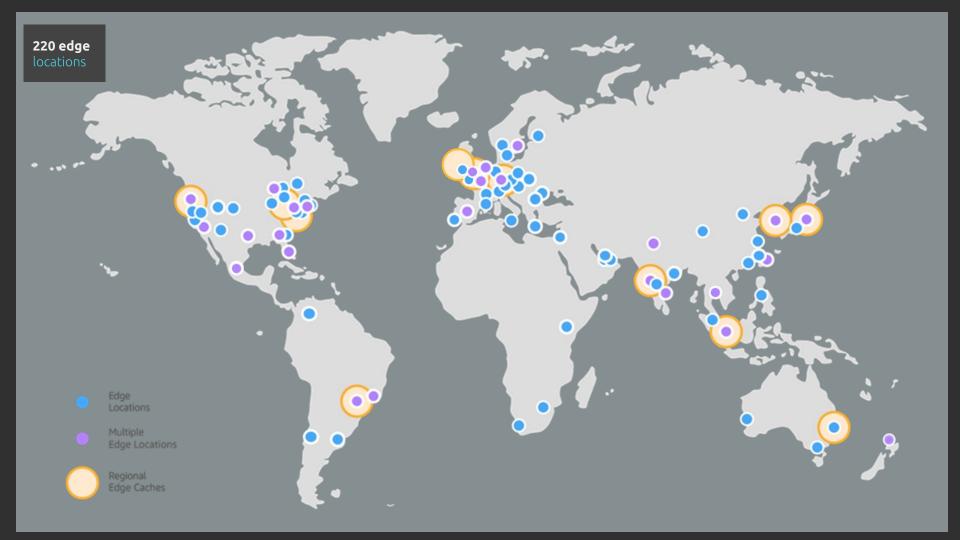






Regiões

O Em breve





## Benefícios & Oportunidades



## Performance com redução de latência, melhorando a experiência do usuário



Economia e uso mais eficiente dos recursos reduzindo tráfego de dados para a cloud



## Viabilização de novos modelos de negócio dependentes de decisões e ações em Near Real Time

## Serviços & Tecnologias

### AWS Lambda@Edge



#### Upload code

Upload your code in Lambda or use Lambda@Edge blueprints



#### Amazon CloudFront

Set up your code to trigger from Amazon CloudFront



#### Lambda@Edge

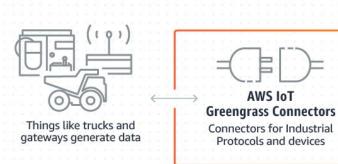
Lambda@Edge runs your code globally close to your users



#### Pay for what you use

Just pay for the compute time you use

### AWS IoT Greengrass





#### AWS IoT Greengrass Core

The AWS IoT Greengrass Core is the runtime that enables the local execution of AWS Lambda, messaging, device shadows, and security



#### AWS IoT Greengrass Connectors

Connectors to services and applications



**AWS Services** 



Third-party applications



On-premises software

### **AWS** Wavelength



Extend the Amazon Virtual Private Cloud (VPC) to include a Wavelength Zone and then create AWS resources like Amazon Elastic Compute Cloud (EC2) instances in the desired subnets







**Wavelength Zone** 

Deploy the portions of an application that require ultra-low latency in a Wavelength Zone, and then seamlessly connect back to the rest of the application and the full range of cloud services running in the AWS Region



Application traffic can reach application servers running in Wavelength Zones without leaving the mobile network



**WebAssembly** leva eficiência à workloads junto ao usuário Além de fornecer uma *runtime* **IsoMórfica** 



Workers permite executar functions com zero cold start, compiladas para WebAssembly nas mesmas Edge Locations usadas para a CDN

# Desafios Arquiteturais

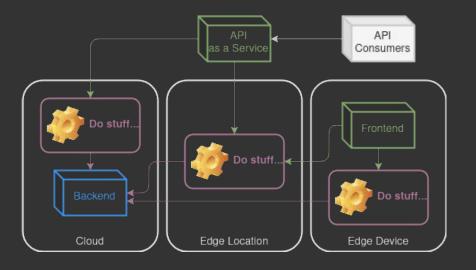


### Tolerância

à Partição

### Transações & Consistência





### Backend vs Frontend



### Obrigado!

```
AWS Global Infrastructure
 https://aws.amazon.com/pt/about-aws/global-infrastructure/?p=ngi&loc=1
Lambda@Edge
https://aws.amazon.com/pt/lambda/edge/
AWS IoT Greengrass
https://aws.amazon.com/pt/greengrass/
AWS Wavelength
_ https://aws.amazon.com/pt/wavelength/
Cloudflare Workers
https://workers.cloudflare.com/
```