

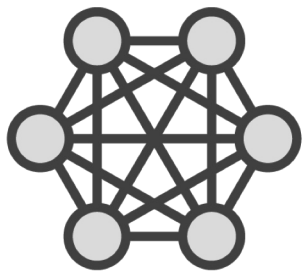
Evaluating Network Performance Options



Kien Bui

DevOps & Platform Engineer





Latency
Throughput



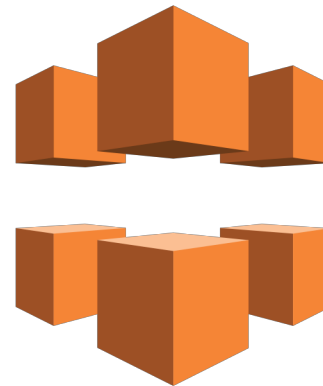
AWS Network Options



Regions



Availability
Zones

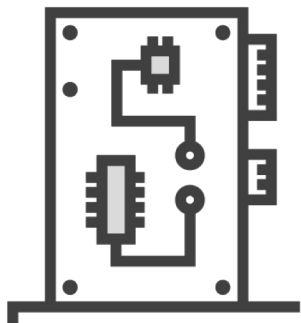


CloudFront



Route 53





Direct Connect
VPC endpoints
EC2 instance types





Regions

- Geographical area

Availability Zone

- Isolated
- Connected





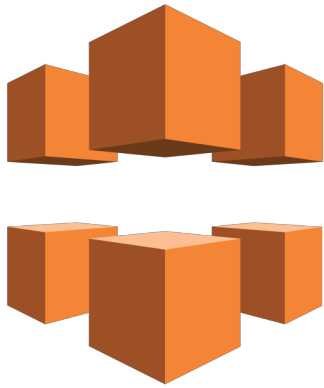
Laws and regulations

User location

Data location

Cost





CloudFront

Global network
Content delivery





Static content
Dynamic content
Intelligent
Programmable





Route 53

DNS

Private DNS

Traffic flow





Latency routing

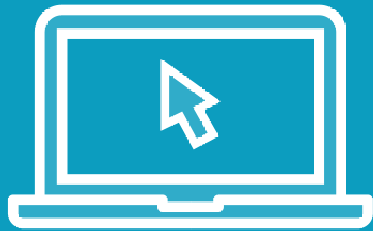
Geographic routing

Health based routing

Round robin routing



Demo



What's new with AWS?



Applying Our Knowledge



Migrating to AWS Storage



GLOBOMANTICS

Portfolio of web applications

Global presence

Data collection from clinical trials



Considerations for Choice



Highly available



Balance performance and cost



Minimize infrastructure





Single region

Multiple availability zones

AWS Fargate

Multi-AZ RDS

VPC Endpoint for S3



Built for the Cloud



GLOBOMANTICS

New web application

Match medical devices to needs

Global user base



Considerations for Choice



Friendly domain names

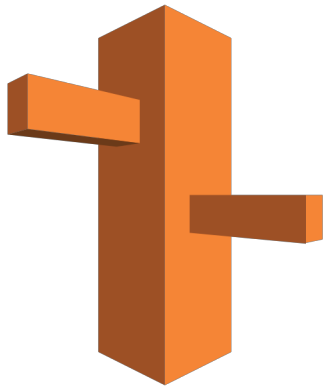


Regional deployment



Manage costs





Route 53

Register domain names

Configure Route 53

Global portal

- Links to regions

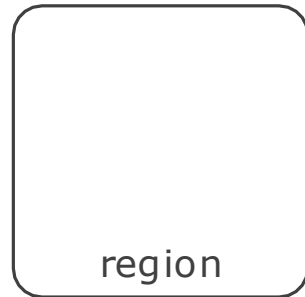
No CloudFront



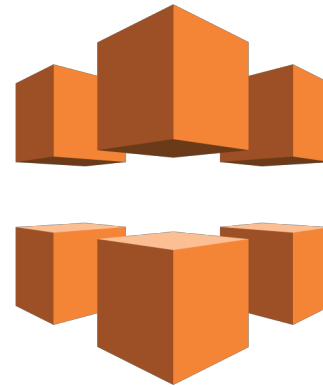
AWS Network Options



Availability
Zones



Regions

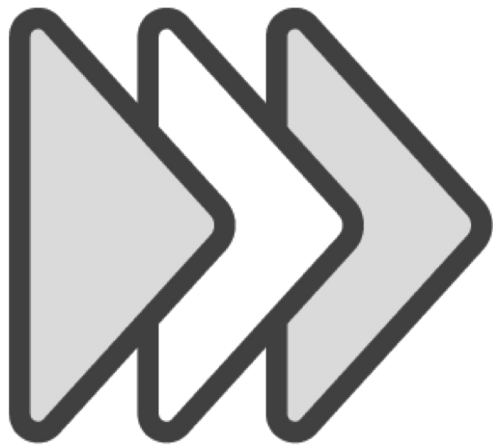


CloudFront



Route 53





Improving your architecture

