



AWS  
re:Invent

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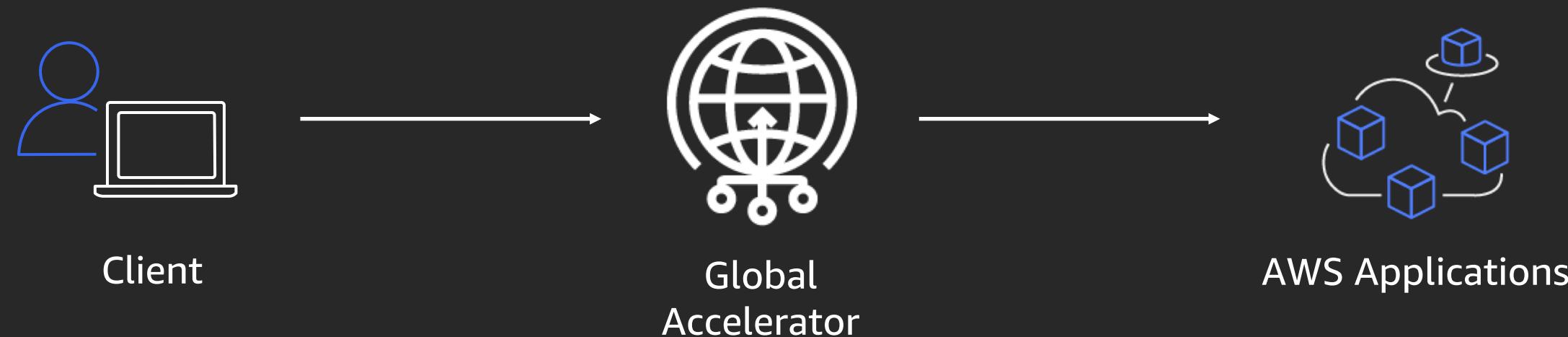
# Getting started with Global Accelerator

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# AWS Global Accelerator

A networking service that improves **availability** and **performance** of applications with global reach



# Key features



Single entry point  
with global static  
anycast IPs



Intelligent  
distribution and  
deterministic failover  
for TCP & UDP traffic



Target EC2 instances  
and Elastic Load  
Balancers (ALBs & NLBs)



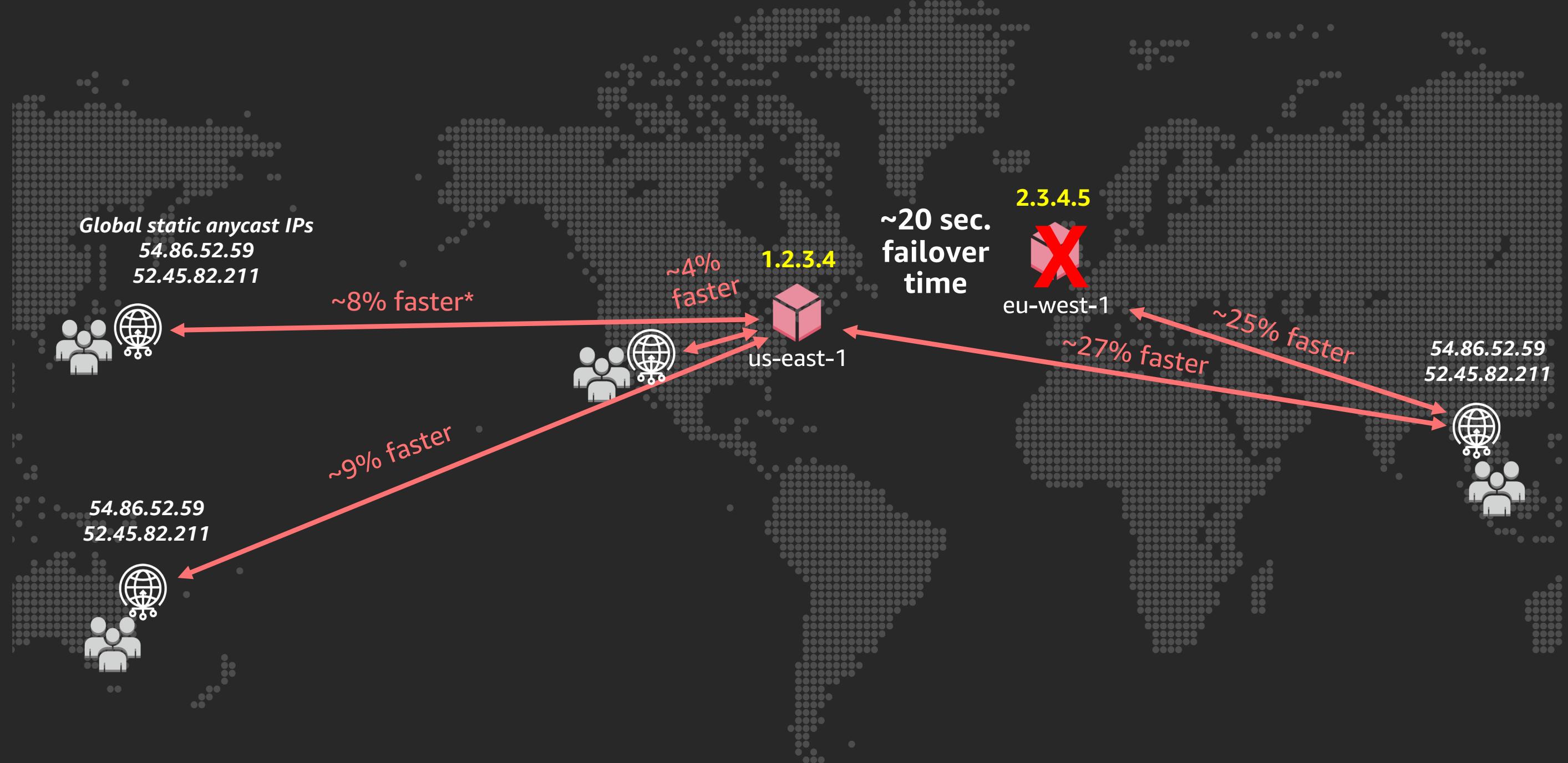
Easy to setup and  
manage, with fine  
grained control

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All traffic traverses the backbone\* and is  
protected from DDoS attacks

\* except within the People's Republic of China

# AWS Global Accelerator – How it works



\*p90 First Byte Latency from 3<sup>rd</sup> party real-user measurements

# Use Cases – When to use Global Accelerator

## Non-HTTP Applications

- Gaming (UDP)
- Real-time video (RTP)
- Voice over IP
- VPN / private connectivity
- DNS hosting (UDP)
- IoT (MQTT)
- File uploads (FTP)
- Push notifications (Websockets)

## HTTP Applications

- Blue/green deployment and A+B testing
- Static IPs for IP whitelisting
- Failover resilience for multi-region applications

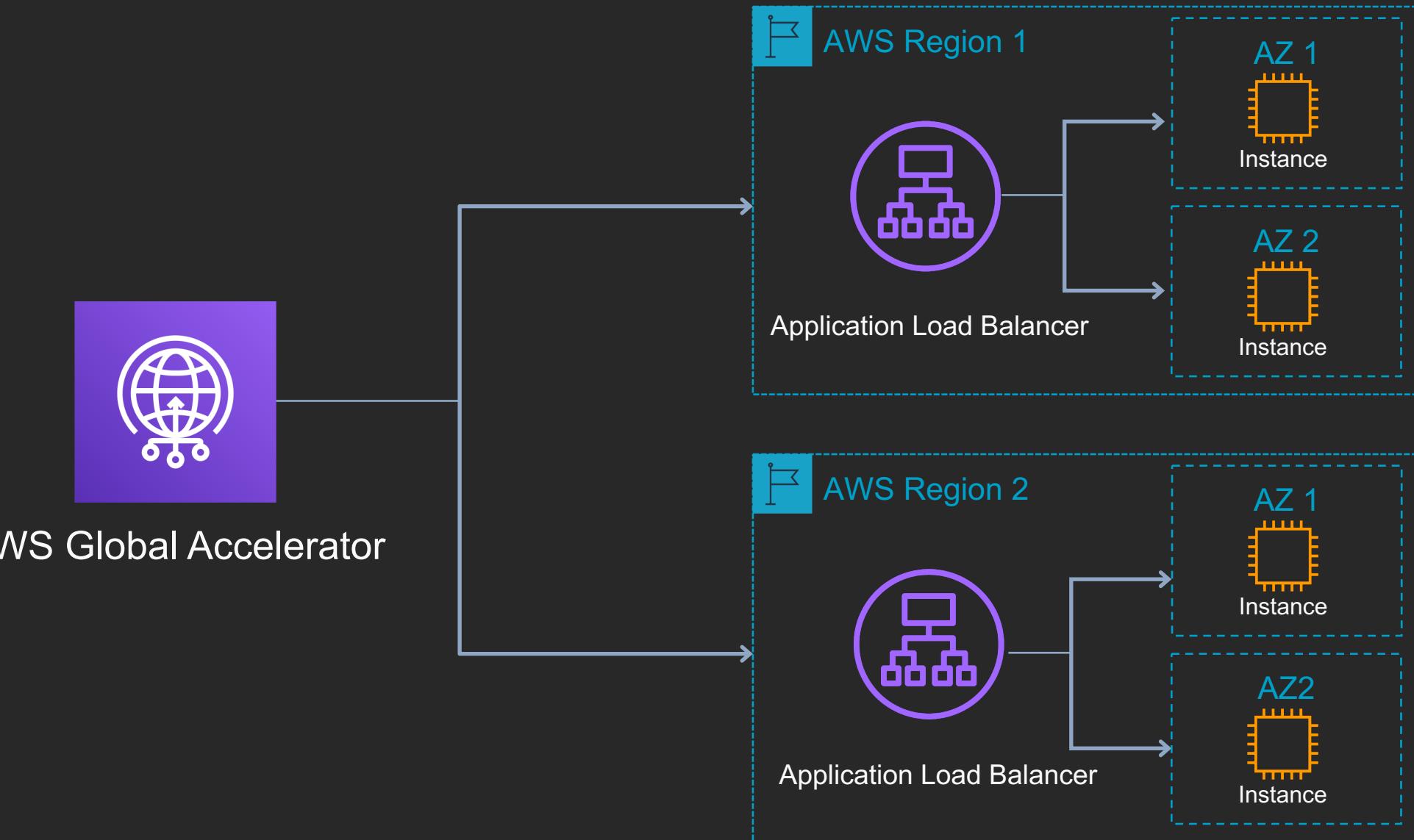


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# What are we building



# Go Build

## Related breakouts

NET202 – Using AWS Global Accelerator for multi-region applications

NET311 – Traffic management for multi-region architectures

NET318 – Building highly available applications using Global Accelerator

SVS337 – Best practices for multi-region, active-active global-scale apps

# Thank you!

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