AWS re:Invent

NOV. 29 – DEC. 3, 2021 | LAS VEGAS, NV

CMP216-R2

Evolving and scaling applications on Amazon Lightsail

Robert Zhu (he/him)
Principal Developer Advocate
Amazon Web Services

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Agenda

What is Amazon Lightsail?

How you can get started

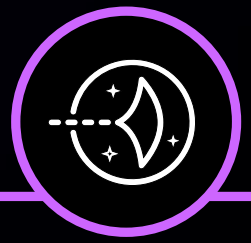
How to secure and scale your application

Concept review

Discussion, Q&A

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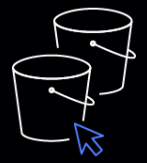
What is Amazon Lightsail?



The easiest way to get started
on AWS at a low, predictable price



Virtual servers



Object storage



Managed databases



Networking

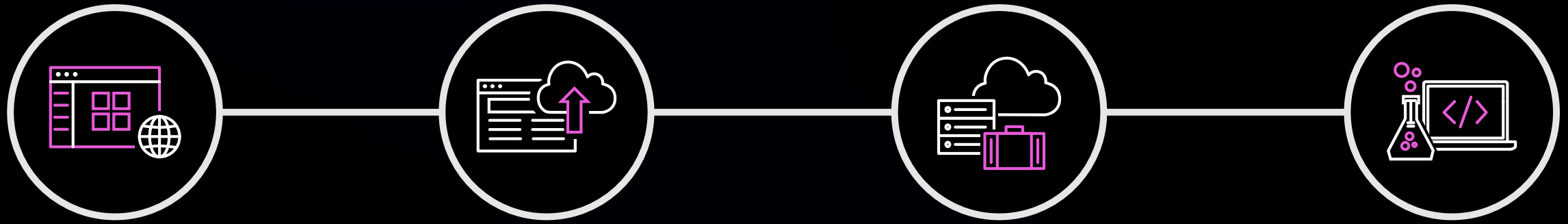


Containers

aws

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Popular workloads



Simple web apps

Websites

Business software

Dev / test environments

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Lightsail’s superpowers

- Simple
- Easy to use
- Low, predictable pricing
- Value
- Backed by AWS

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Let’s build a web app

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Building a web app

Phase 1
- Deploy an MVP

Phase 2
- Static IP

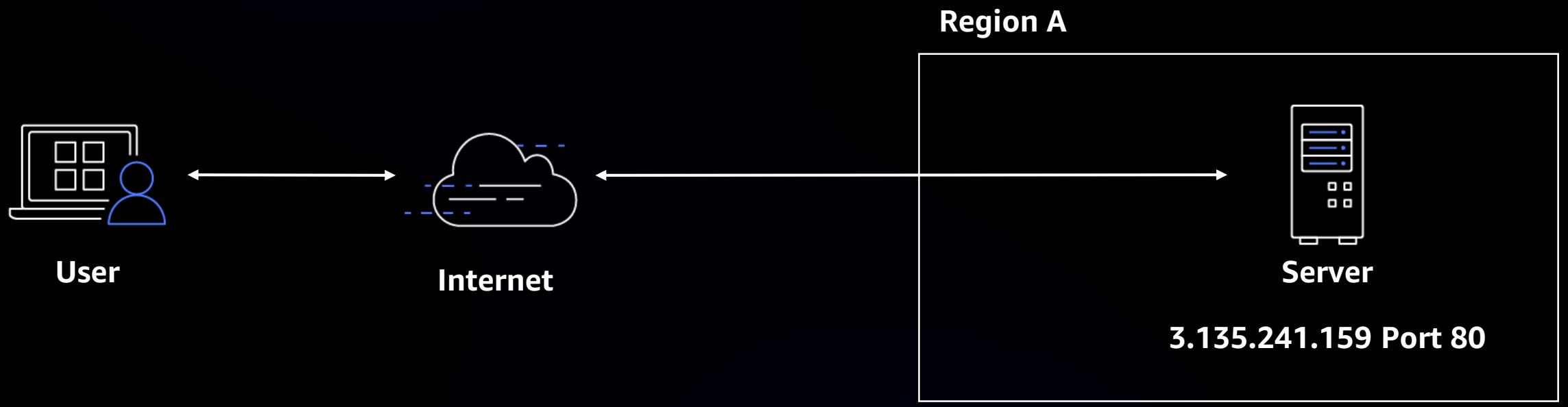
Phase 3
- SSL, load balancing

Phase 4
- CDN

Phase 5
- Database

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Phase 1: Deploy an MVP



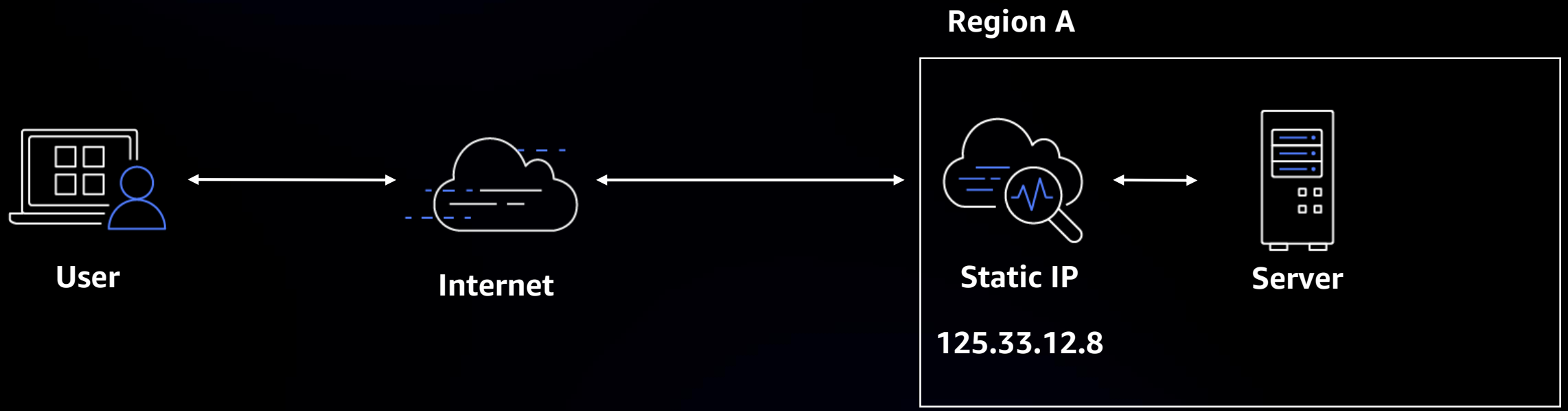
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Phase 1: Deploy an MVP

- Up and running in minutes
- DNS propagation
- Accessible by machine IP address
- HTTP traffic over port 80
- Single point of failure
- Single region

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Phase 2: Static IP



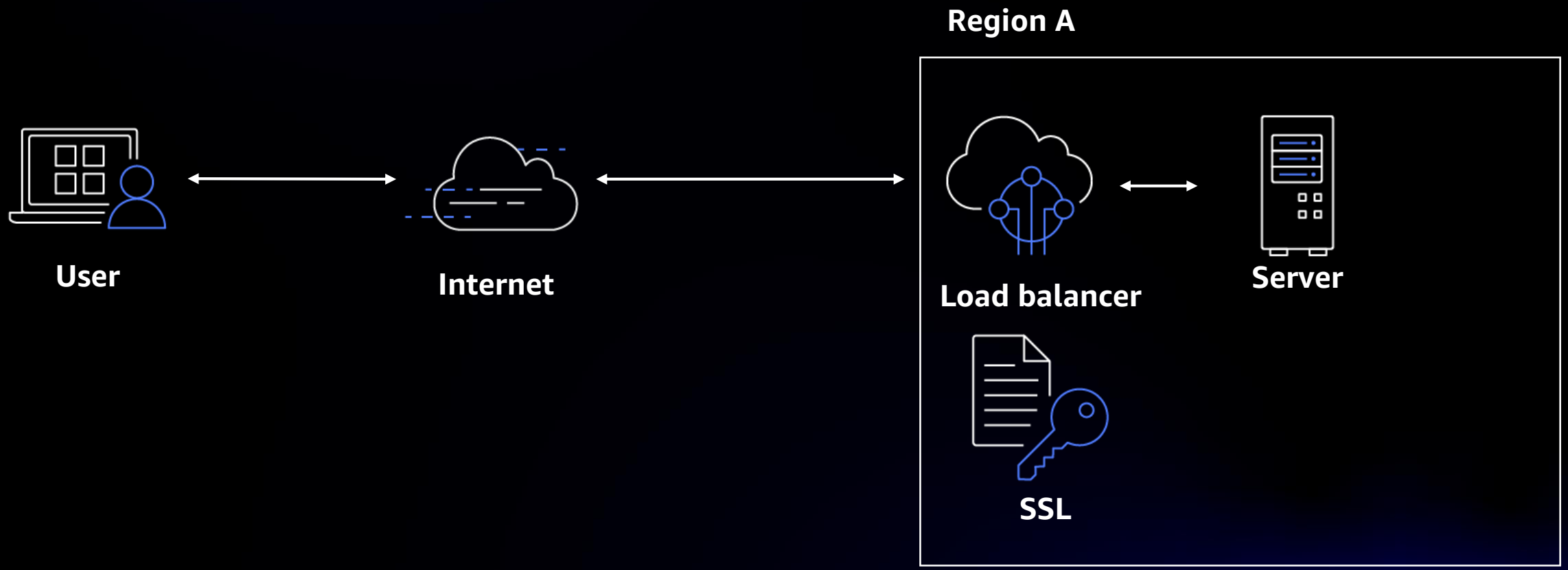
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Phase 2: Static IP

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Phase 3: SSL, load balancing



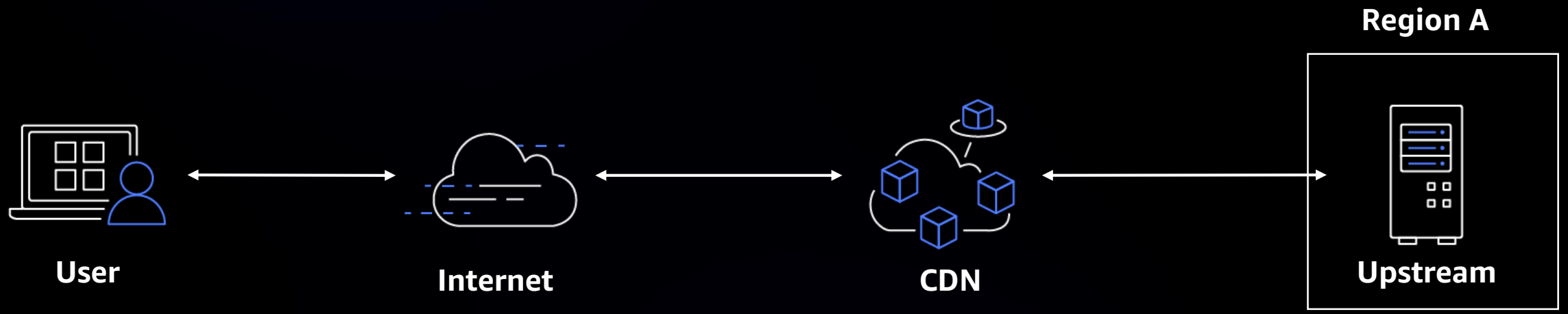
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Phase 3: SSL, load balancing

- ~~Up and running in minutes~~
- ~~DNS propagation~~
- Accessible by domain name
- HTTPS traffic over port 443
- Single point of failure
- Single region

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Phase 4: CDN



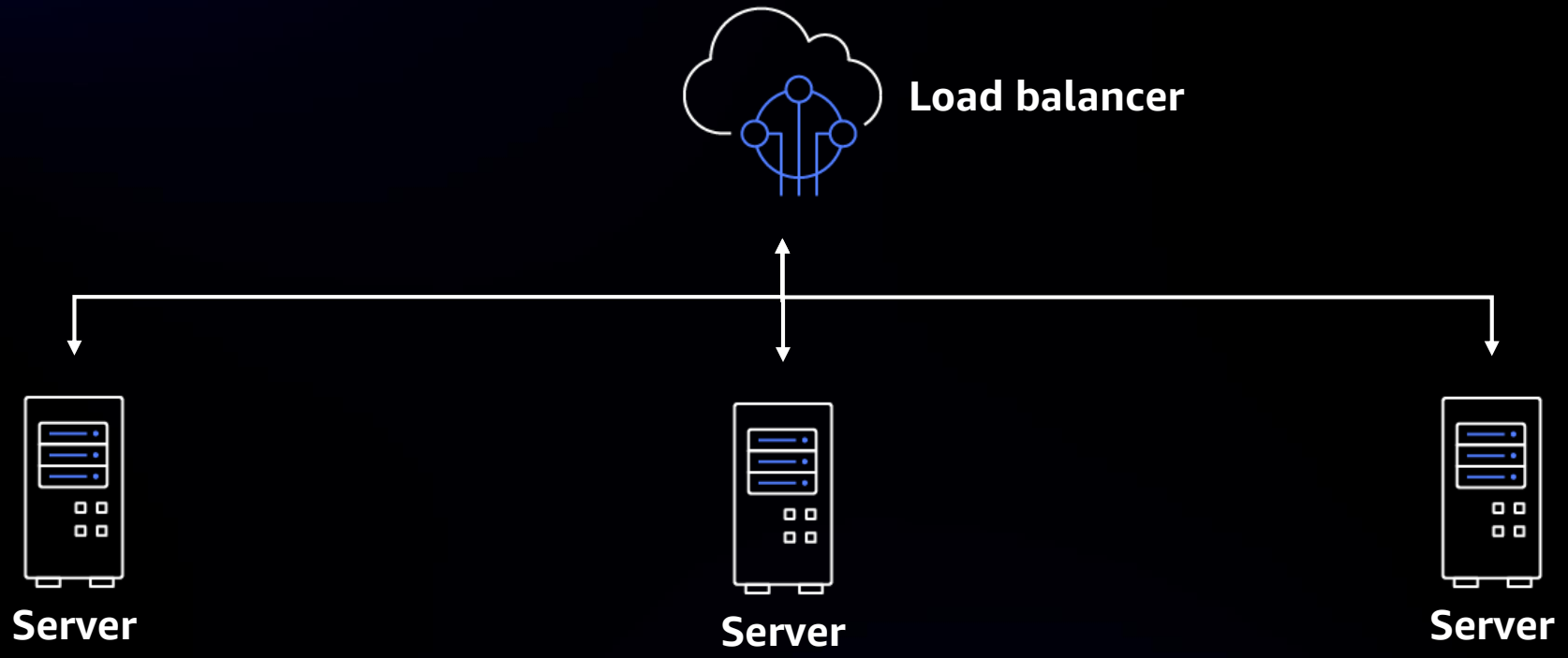
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Phase 4: CDN

- ~~Up and running in minutes~~
- ~~DNS propagation~~
- ~~Accessible by domain name~~
- ~~HTTPS traffic over port 443~~
- ~~Single point of failure~~
- Single region

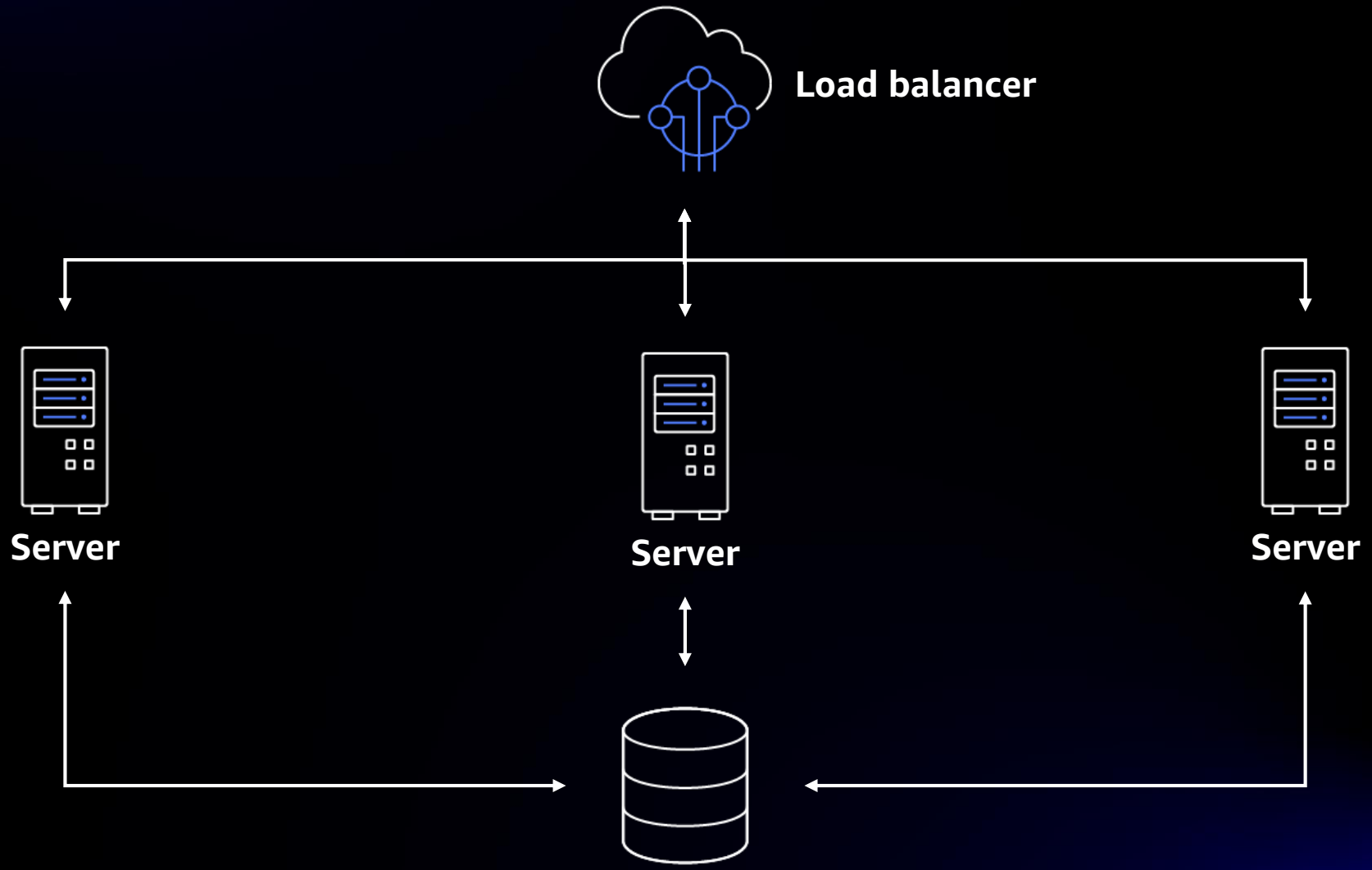
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Inside Region A



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Shared state



aws

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Phase 5: Database

- Lightsail managed databases
- AWS databases; for example, Amazon DynamoDB

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Concept review

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Thank you!

Robert Zhu

robzhu@amazon.com

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