

AWS Certified Solutions Architect — Associate (SAA-C01)



Module 7

Route53

Agenda

- 📦 Domain Name Basics
- 📦 DNS Routing
- 📦 Common DNS Record Types
- 📦 Route 53
- 📦 Routing Policies
- 📦 Labs

Domain Name Basics

.com / .net /.org

Top Level Domain (TLD)

example.com

Naked Domain

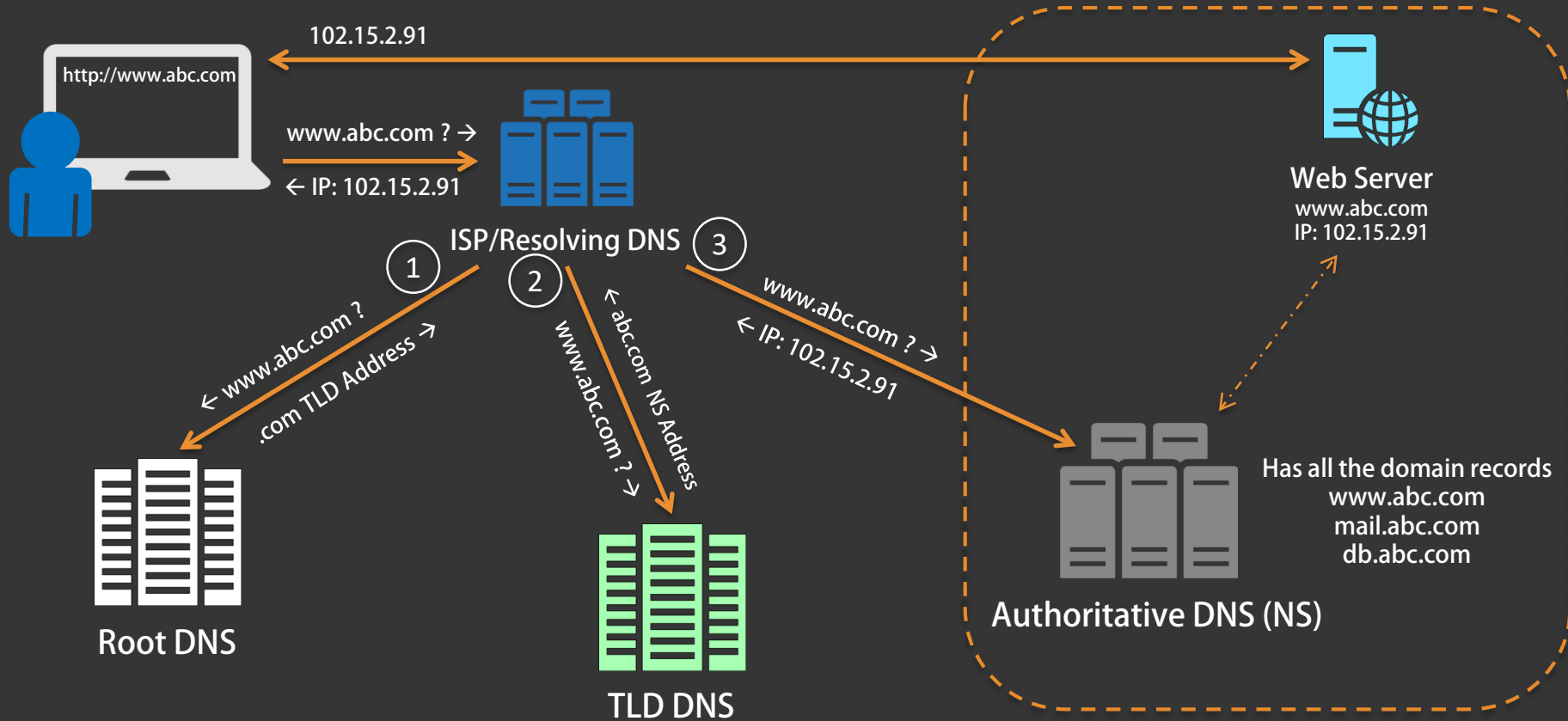
www.example.com

Sub-Domain / Fully Qualified
Domain Name

server1.us-east.prod.example.com

Sub-Domain / Fully Qualified
Domain Name

DNS Routing



Common DNS Record Types

A Record	IP of Domain name
NS Record	IP of Name Servers
CNAME / Alias Record	One domain name points to another domain (Canonical)
MX Record	Mail Exchange – IP of email servers
SOA Record	Start of Authority record indicating who is the authoritative DNS
TXT Record	Additional domain information/validation

Route 53

Scalable DNS and Domain Name Registration

- Answers DNS queries with low latency by using a global network of DNS servers.
- Latency based routing to closest AWS endpoint.
- Geolocation based routing for regional control.
- Integration with other AWS services.
- Register domain names.

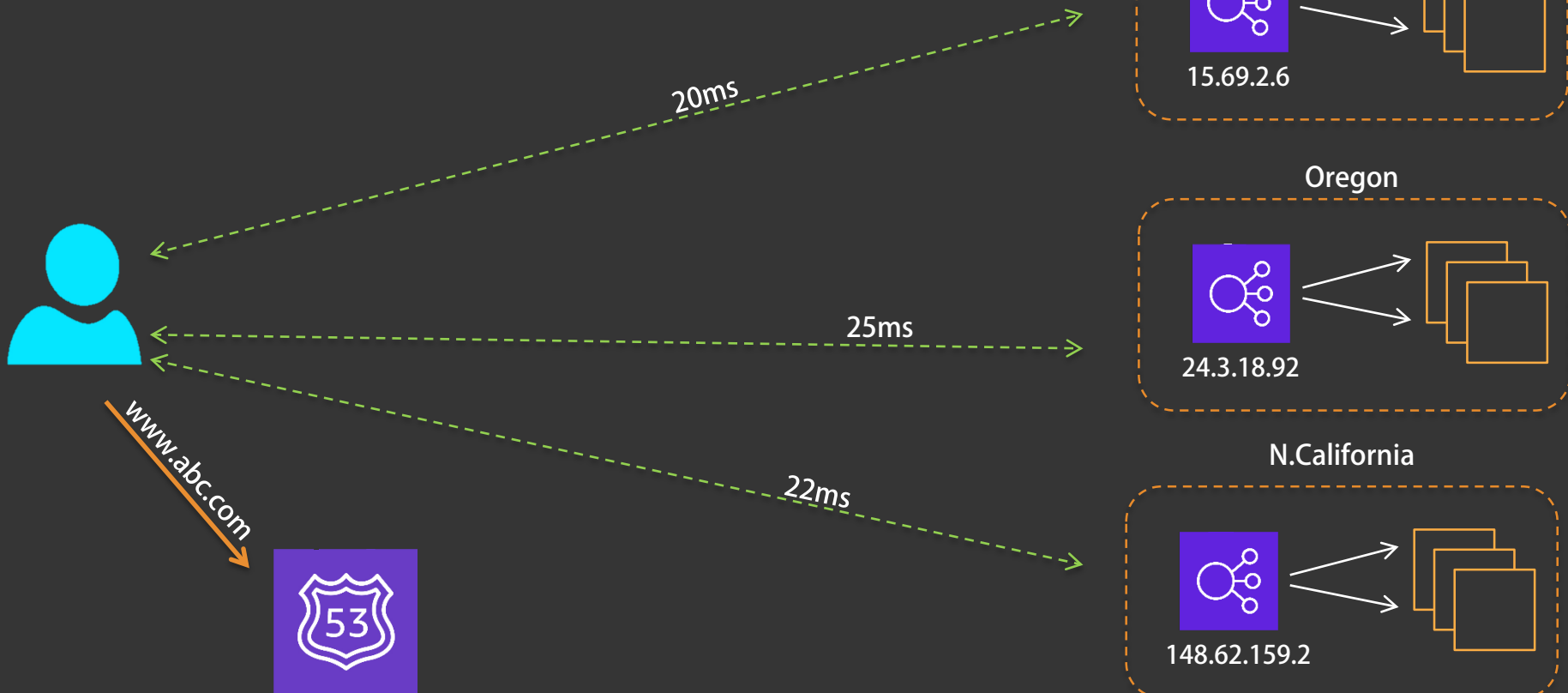


Simple Routing Policy

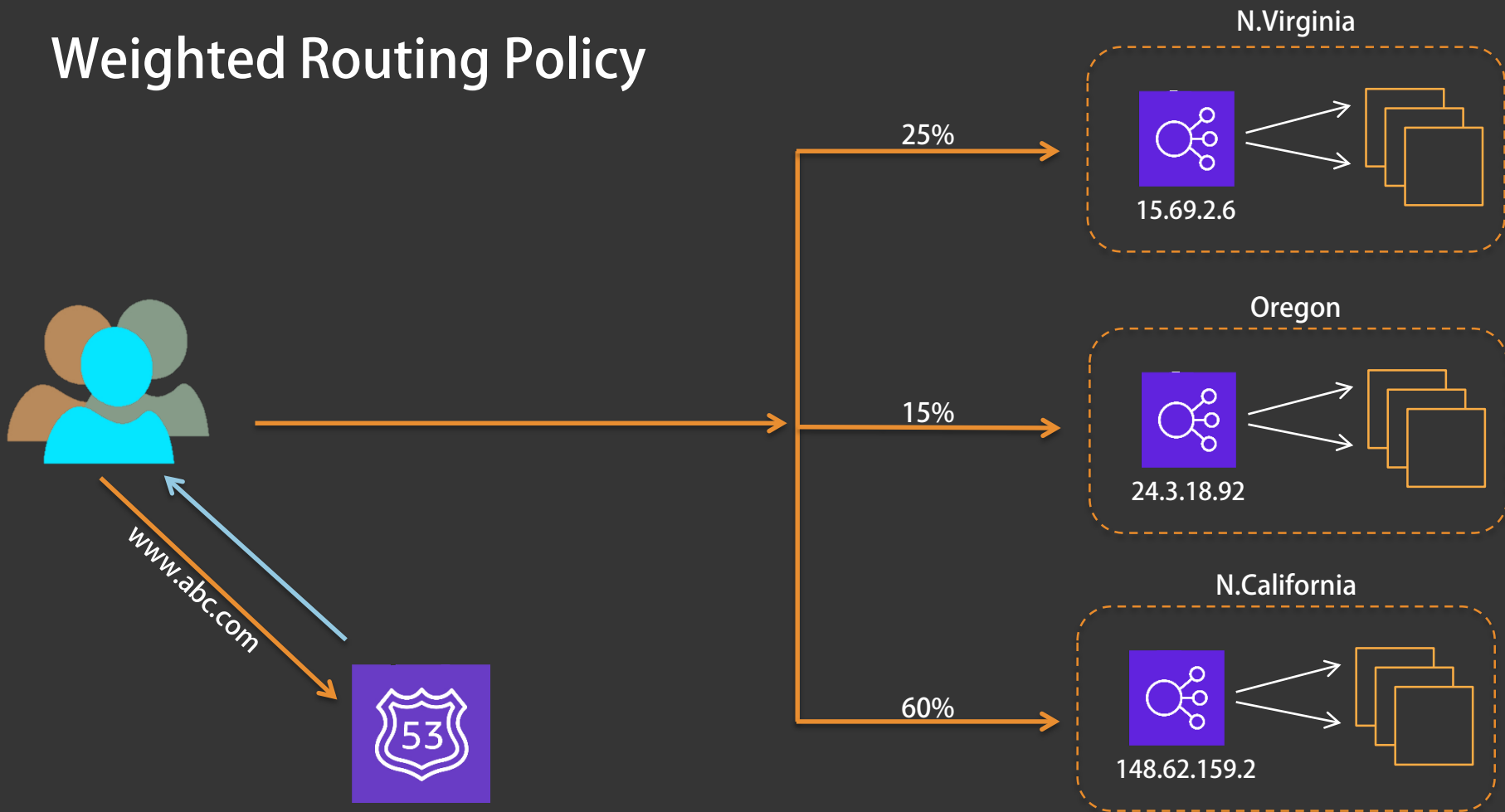


Simple A Record
Name: www.abc.com = IP: 102.15.2.91

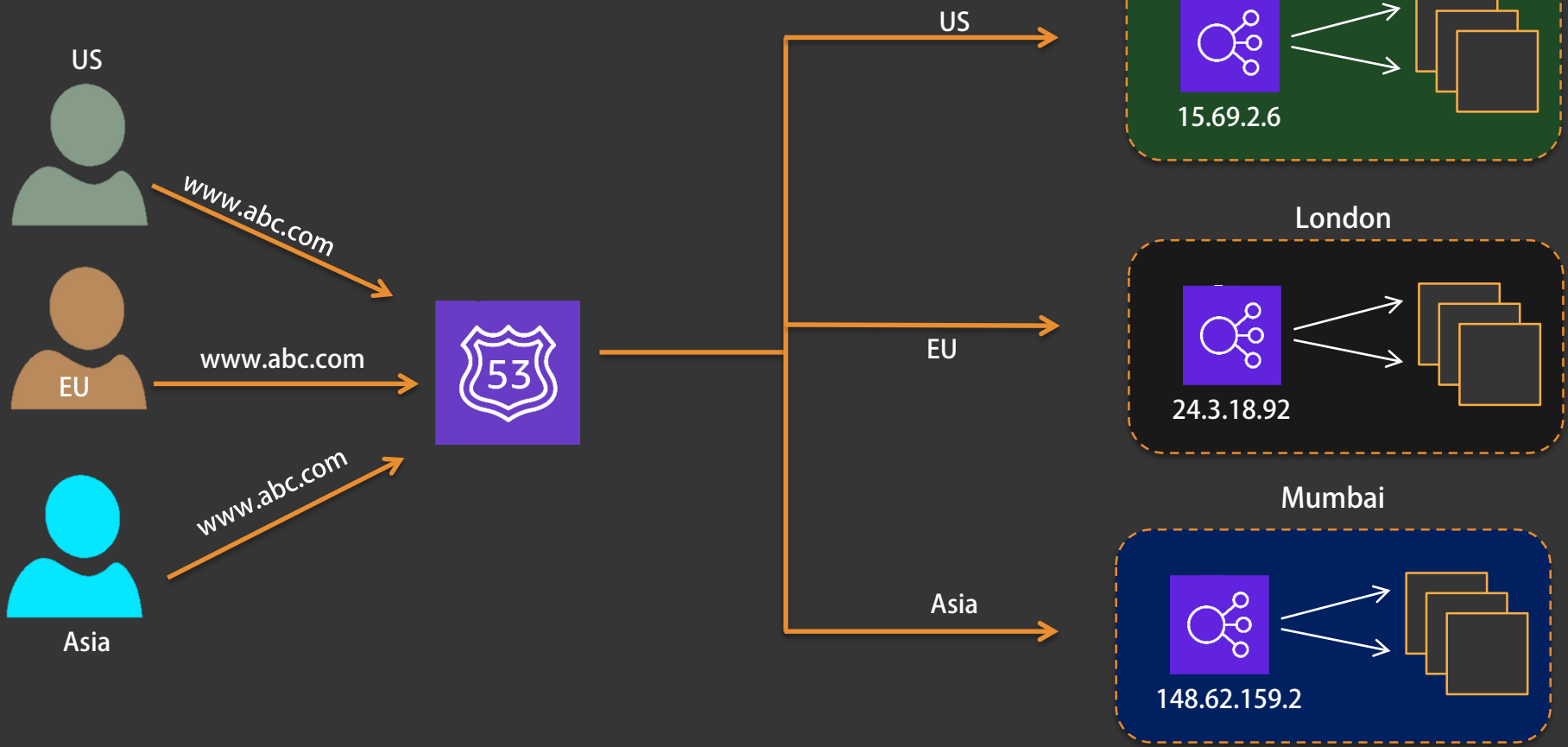
Latency Based Routing Policy (LBR)



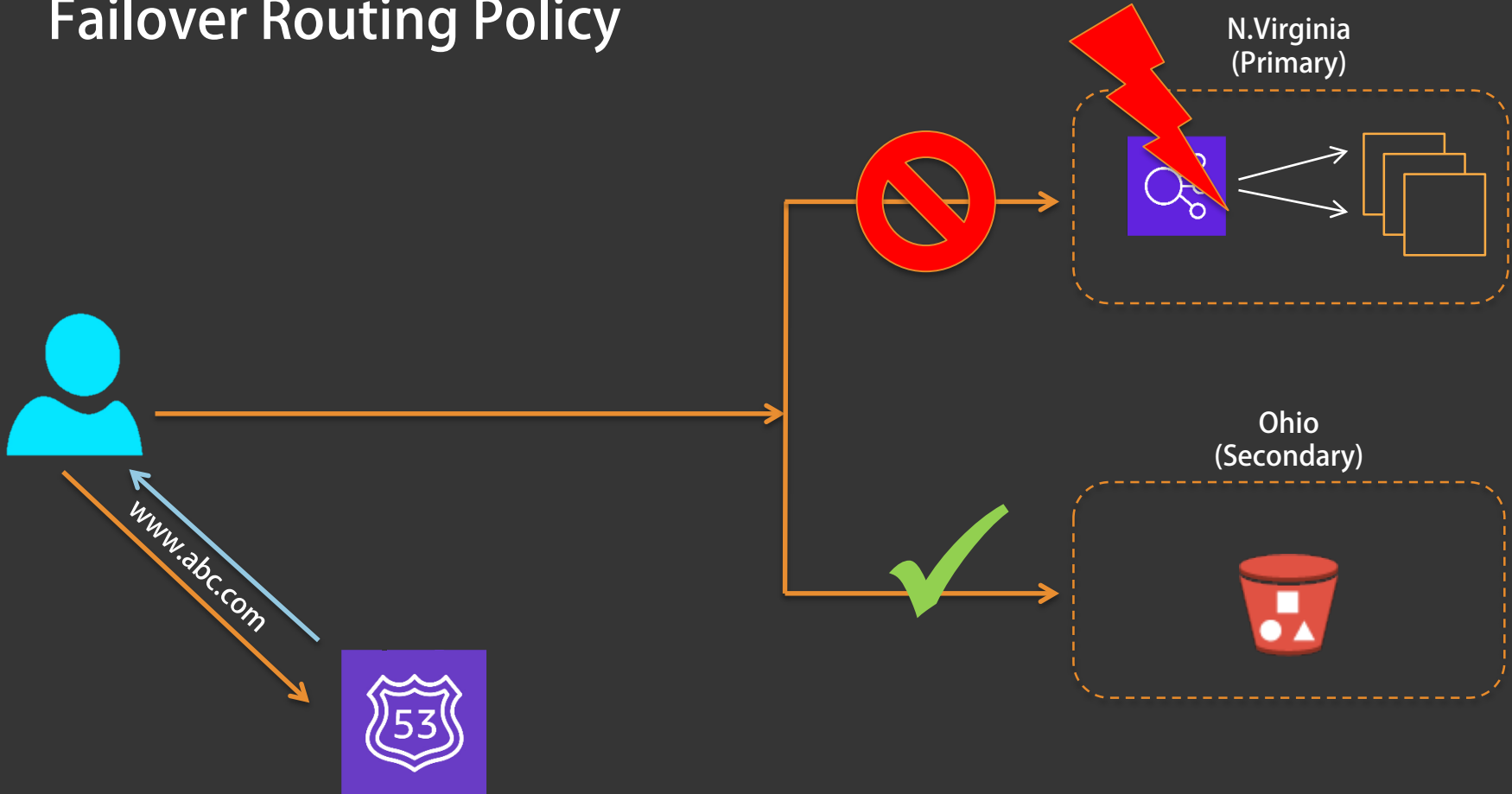
Weighted Routing Policy



Geolocation Routing Policy



Failover Routing Policy



Labs

Thank You!

Q & A