AWS ROUTE 53
04.20.2020
OSVALDO

www.e-commerce...

Publishing the website

EC2

Public IP: 52.87.192.40

Public DNS :ec2-52-87-192-40.compute-1.amazonaws.com

http://info.awsdevopsteam.net.s3-website-us-east-1.amazonaws.com

- Public IP: 52.87.192.40

- Public DNS :ec2-52-87-192-40.compute-1.amazonaws.com

- http://info.awsdevopsteam.net.s3-website-us-east-1.amazonaws.com

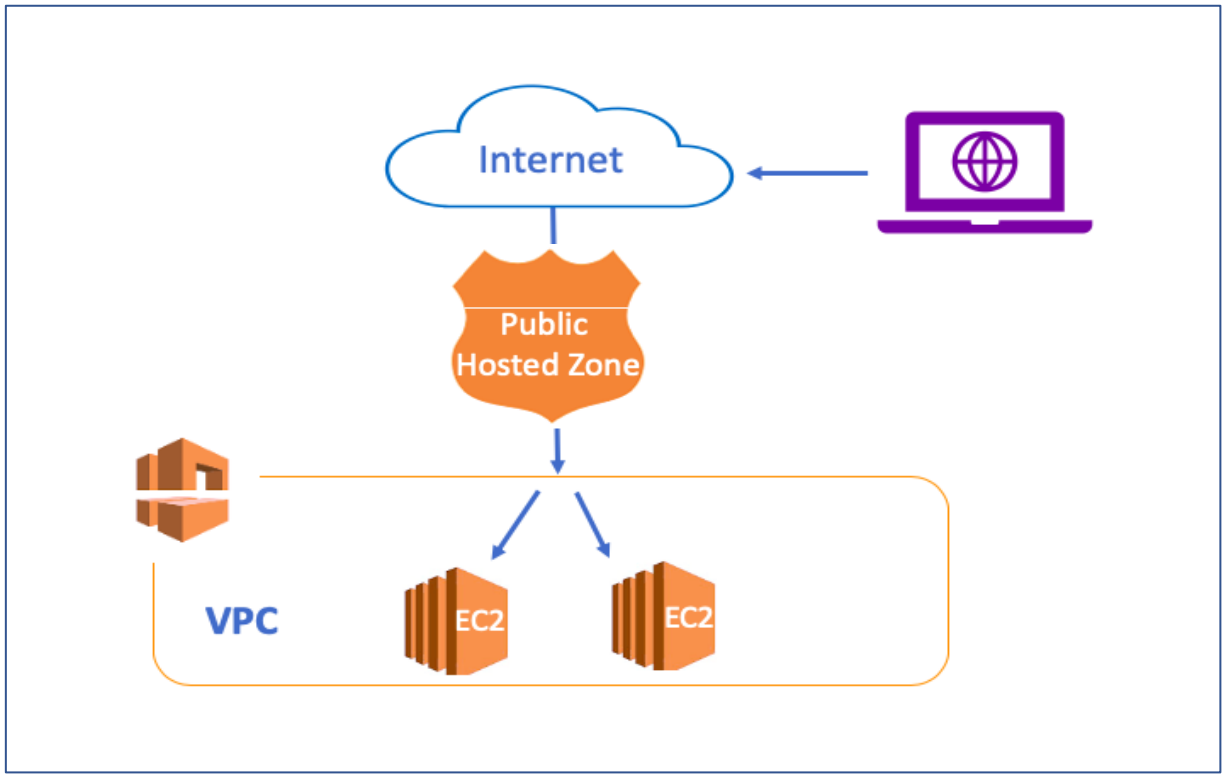
Not Human readable

Amazon Route 53

What does Route 53 do?

Buy and Register a Domain	Create Domain Variations via Sub Domains	Mapping Value	Value Type	Record Type
awsdevopsteam.net (naked domain)	xxxx.awsdevopsteam.net yyy.awsdevopsteam.net zzz.awsdevopsteam.net	 Point out	IP of Server 1.2.3.4.5 Domain Name www.xxxxx.com End point S3 Bucket url Load Balancer Mail Server hostname Etc..	A AAA CNAME Alias MX

Value type determines the record type



A record

CNAME

Alias

Hosted Zone is a component where you locate the records

=

Database of the Route 53

A record =IP

1

www.osvaldo.com

A Record-1

server

IP:1.2.3.4

2

A Record-2

help.osvaldo.com

3

www.osvaldo.com

A Record-3

Server-1

IP:1.2.3.4

Server-2

IP:5.6.7.8

CNAME: DNS-URL

Website domain: www.awsdevopsteam.net

A record -Primary

www.awsdevopsteam.net= 11.12.13.4

9.10.11.12

A record -2

local.awsdevopsteam.net = 11.12.13.4

9.10.11.12

A record -3

info.awsdevopsteam.net= 11.12.13.4

A record -4

9.10.11.12

mobile.awsdevopsteam.net= 11.12.13.4

A record -Primary

www.awsdevopsteam.net= 1.2.3.4

7.8..910

3 Cname

CNAME = Refer the domain

local.awsdevopsteam.net = www.awsdevopsteam.net

info.awsdevopsteam.net = www.awsdevopsteam.net

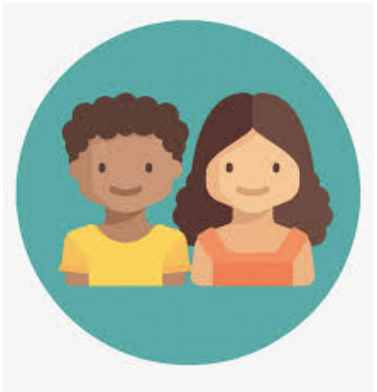
mobile.awsdevopsteam.net = www.awsdevopsteam.net

CNAME: DNS-URL

Website domain: www.awsdevopsteam.net

Jonny

Honey



Daddy

Jonathan

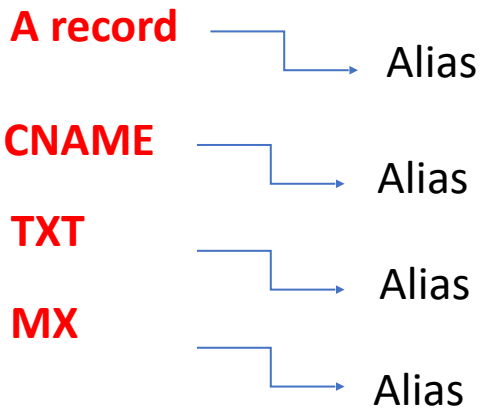
Social Security Number
BA1112345678-235

Alias: DNS-URL in AWS

Load balancer endpoint: dualstack.load2-2068187317.eu-west-1.elb.amazonaws.com

S3 bucket endpoint: http://www.awsdevopsteam.net.s3-website-us-east-1.amazonaws.com

Naked domain: awsdevopsteam.net



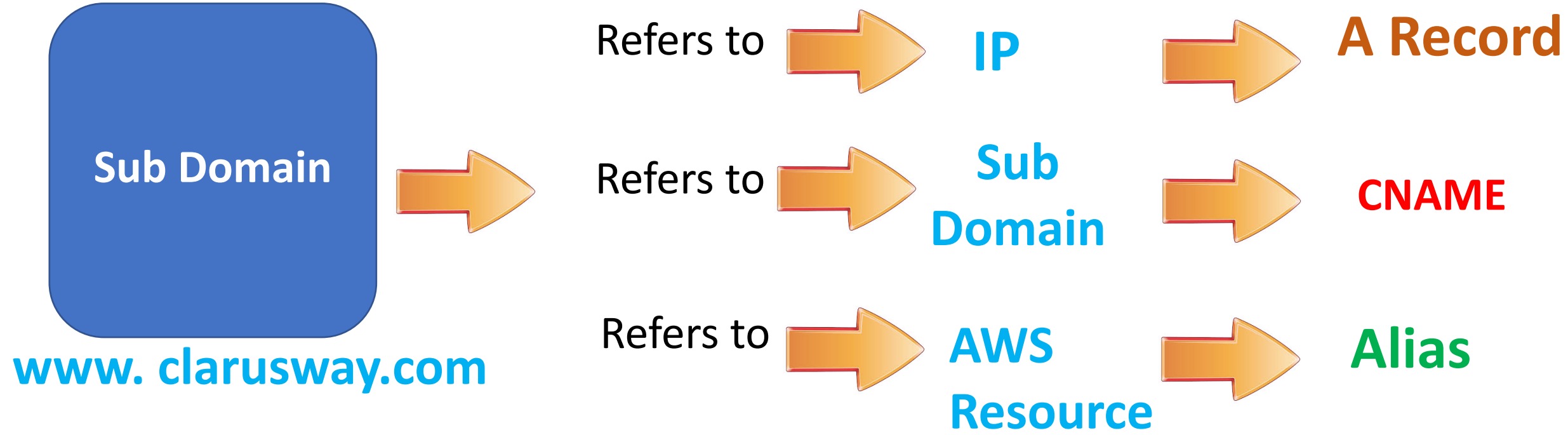
1- Alias is like an extension of the other record

It is not a standalone record

2- Best practice:

Alias is used for AWS resources

Cname is used for domains


Sub Domain
www. clarusway.com
Refers to
IP
A Record
Refers to
Sub Domain
CNAME
Refers to
AWS Resource
Alias

Failover

www.osvaldo.com

Primary

Secondary

www.osvaldo

IP:1.2.3.4

www.osvaldo

IP:1.2.3.4

S3 url

Health Check

server

IP:1.2.3.4

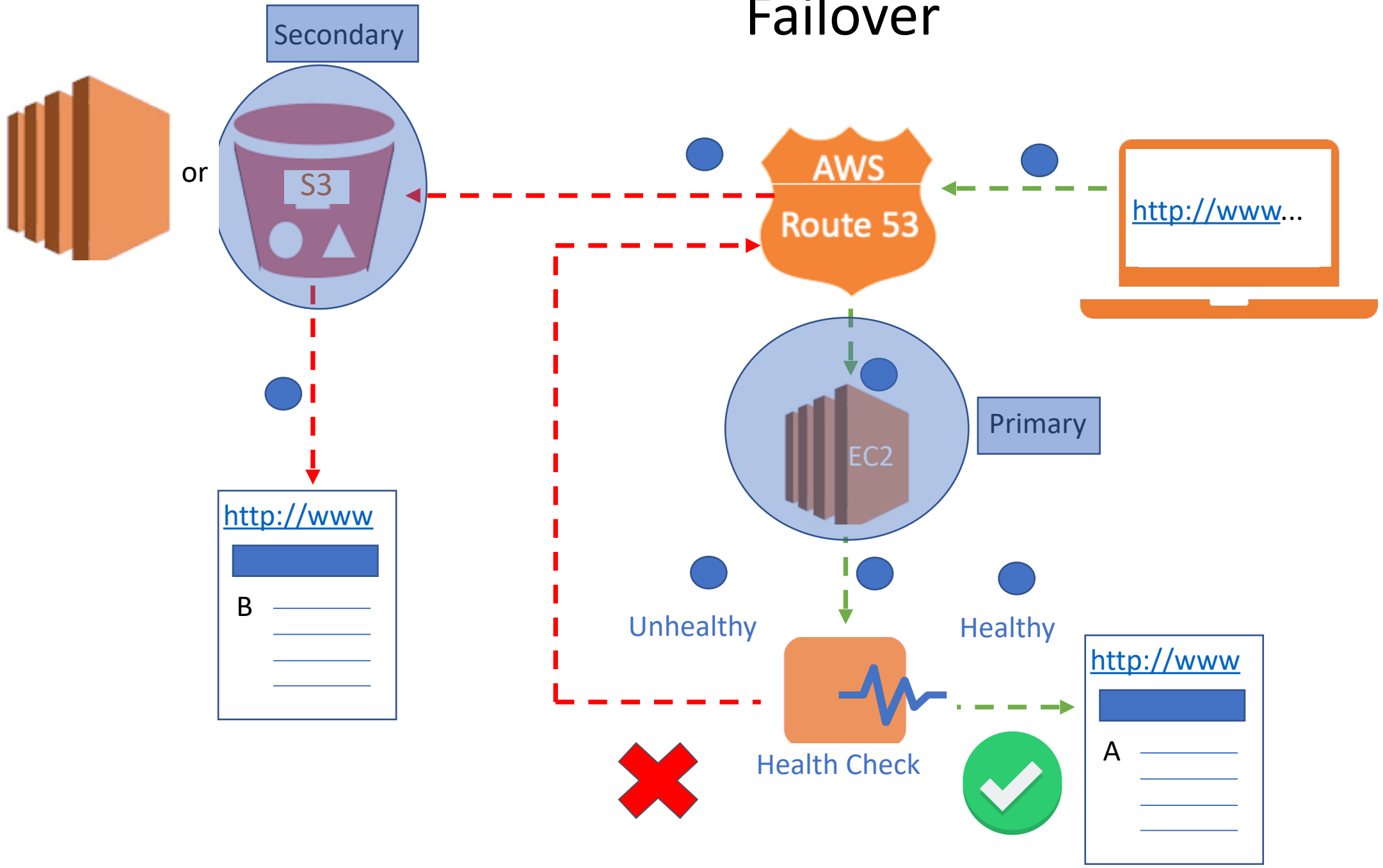
Server-2

IP:3.4.5.6

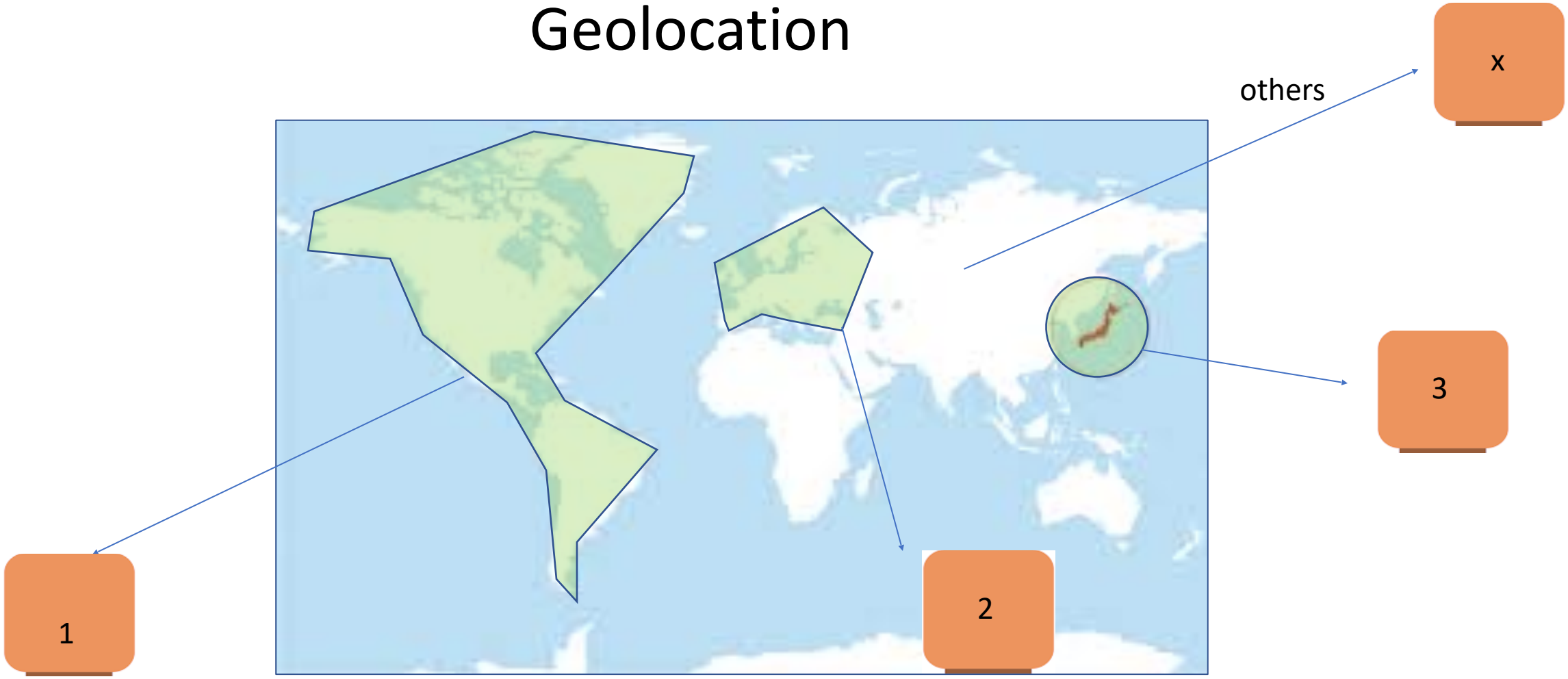
Amazon S3

Static webHosting

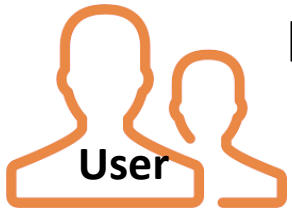
Failover


Secondary
or
S3
AWS
Route 53
http://www...
EC2
Primary
http://www
B
Unhealthy
Healthy
Health Check
http://www
A

Geolocation



1- Country
2- Continent
3- Default

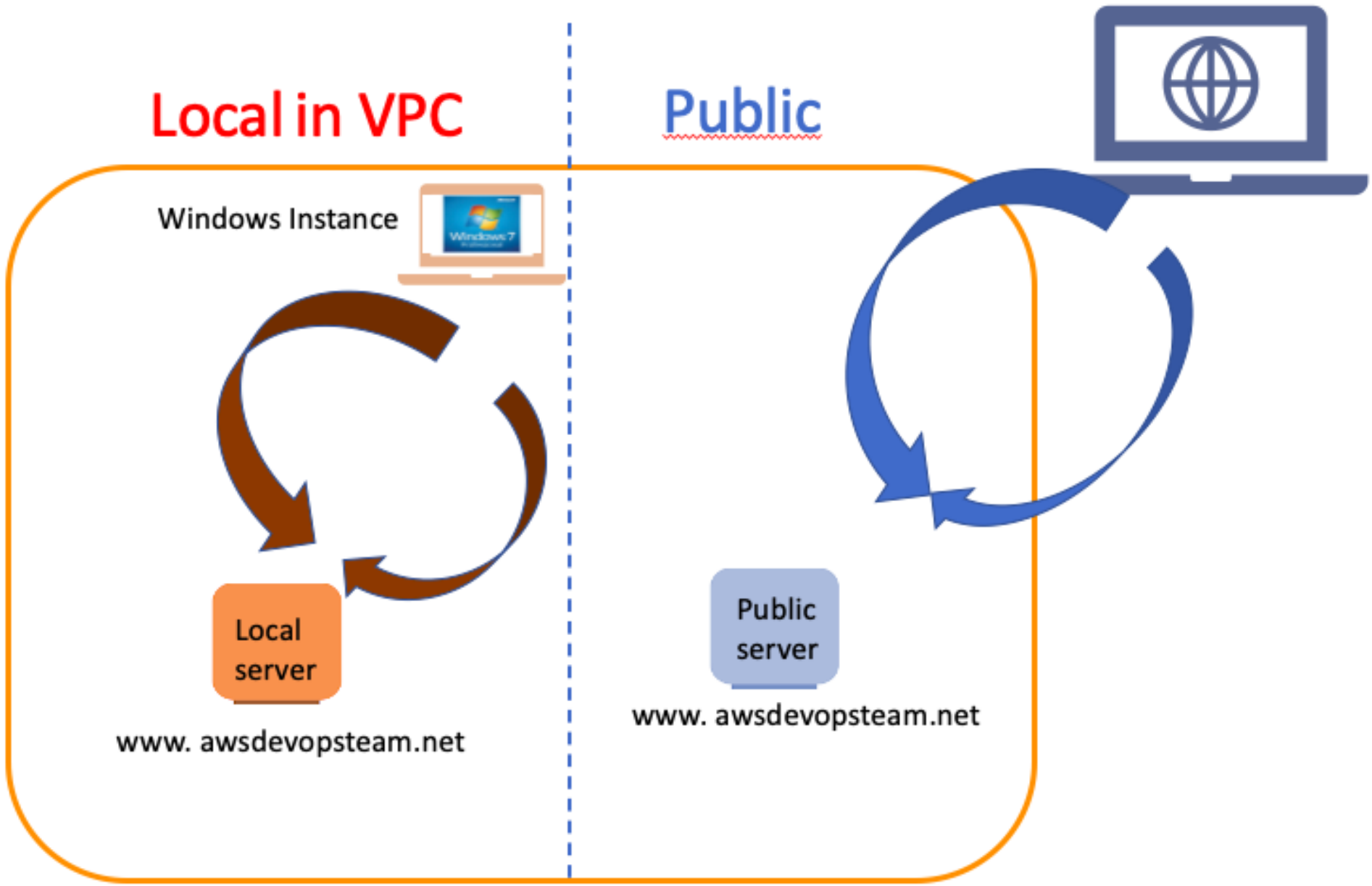


It depends on where the user is

Weighted

90

10


Local in VPC
Public
Windows Instance
Local server
www. awsdevopsteam.net
Public server
www. awsdevopsteam.net