

Configuring Load Balancing

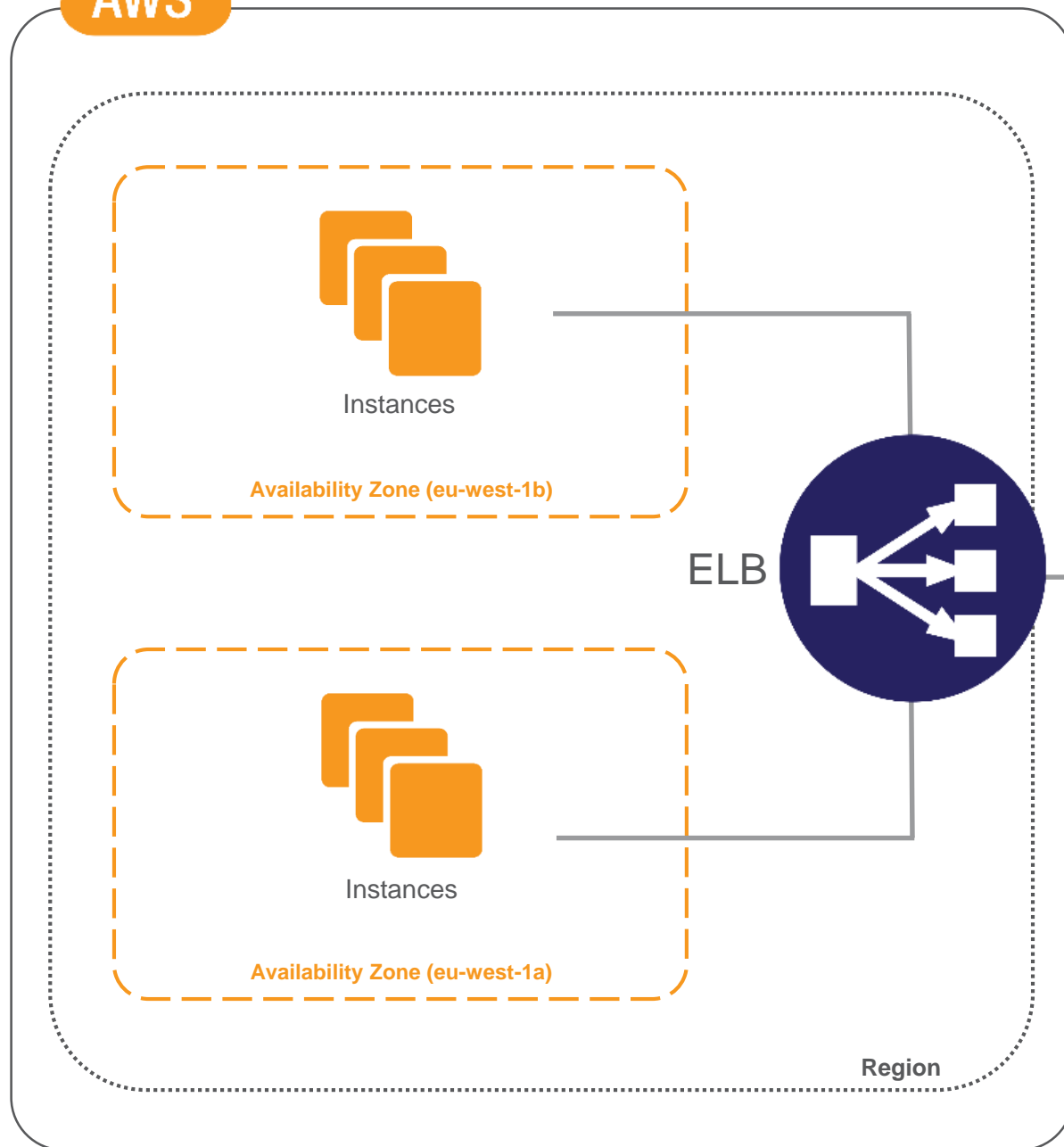


Nigel Poulton

@nigelpoulton | www.nigelpoulton.com



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Elastic Load Balancer (ELB)

- Scalable
- Resilient
- High performance

Module Overview



Elastic Load Balancing Theory

Implementing an Elastic Load Balancer

The High Level Stuff

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Instances

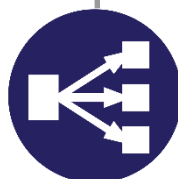
Availability Zone (eu-west-1b)



Instances

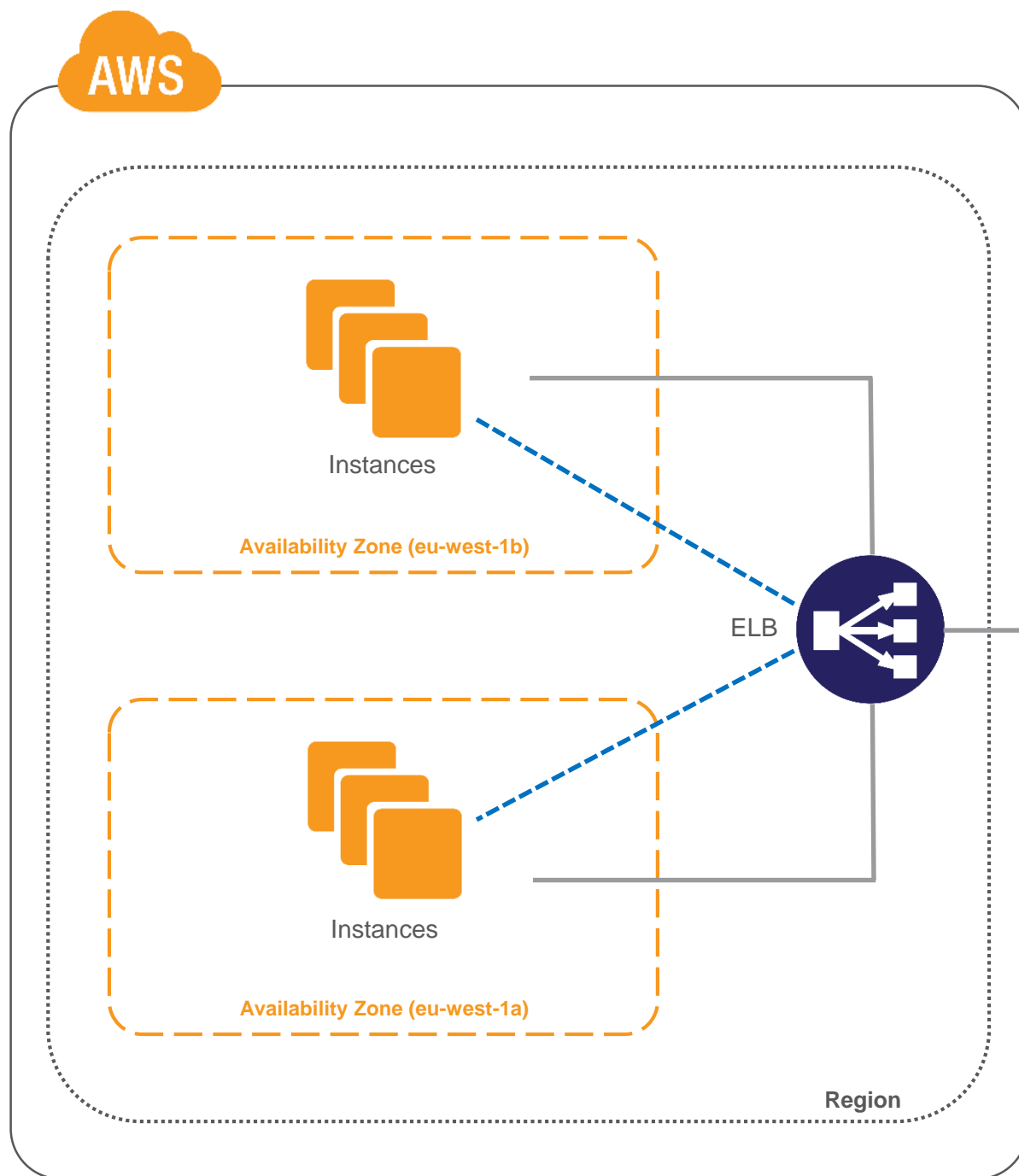
Availability Zone (eu-west-1a)

ELB



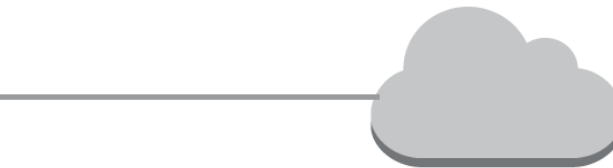
Region





Availability Zone Load balances across Availability Zones

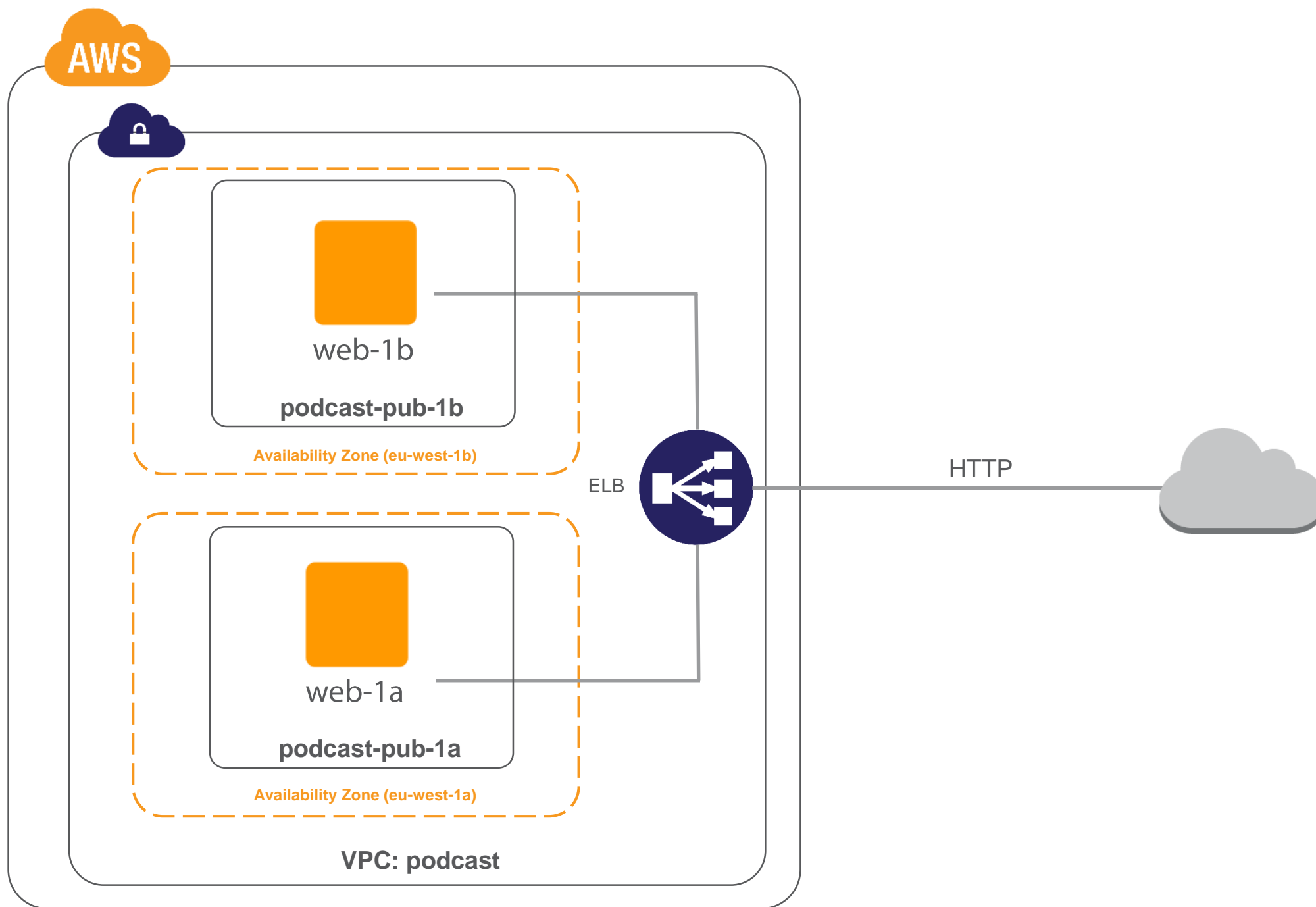
AWS AWS only



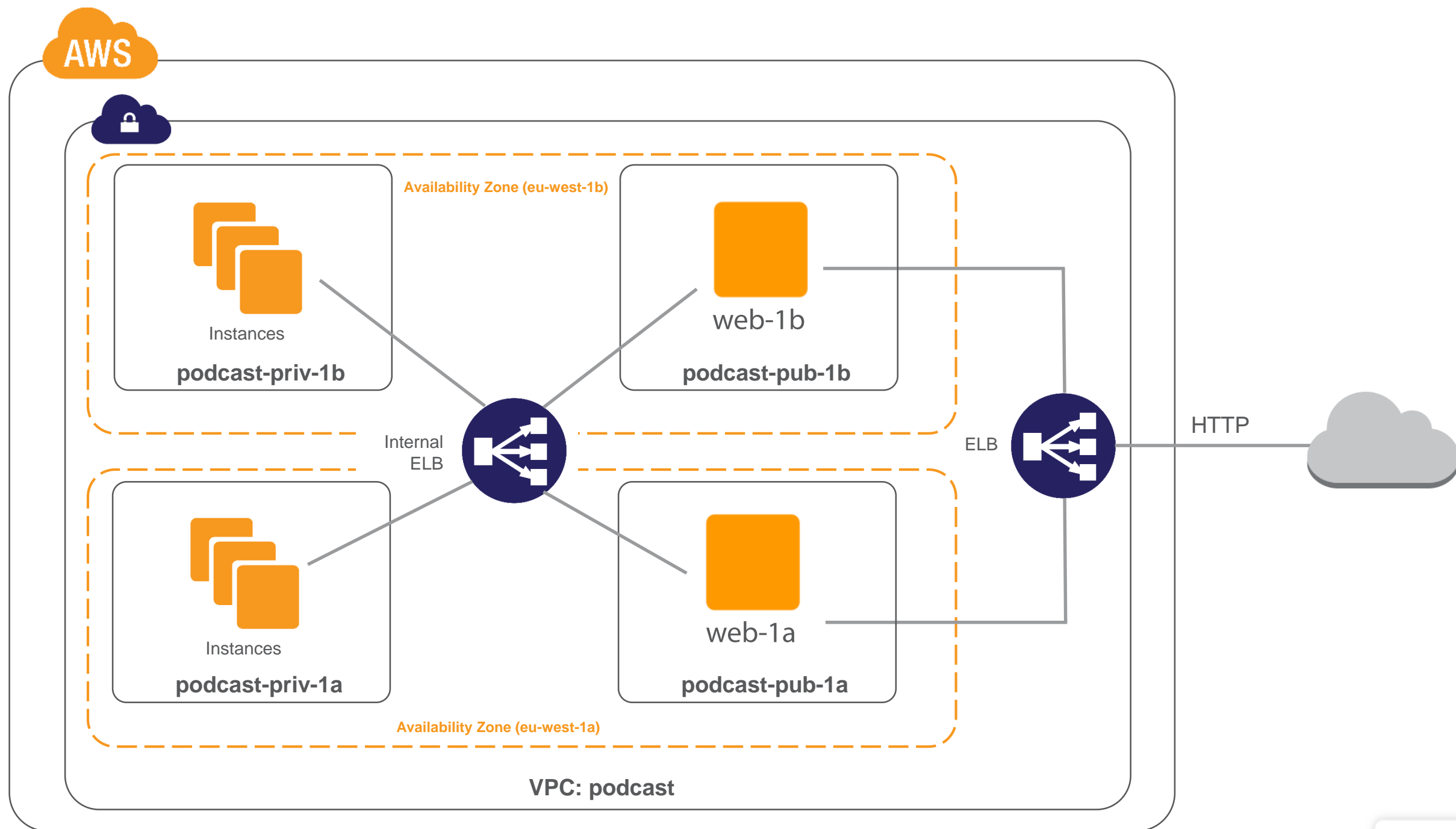
Health Check



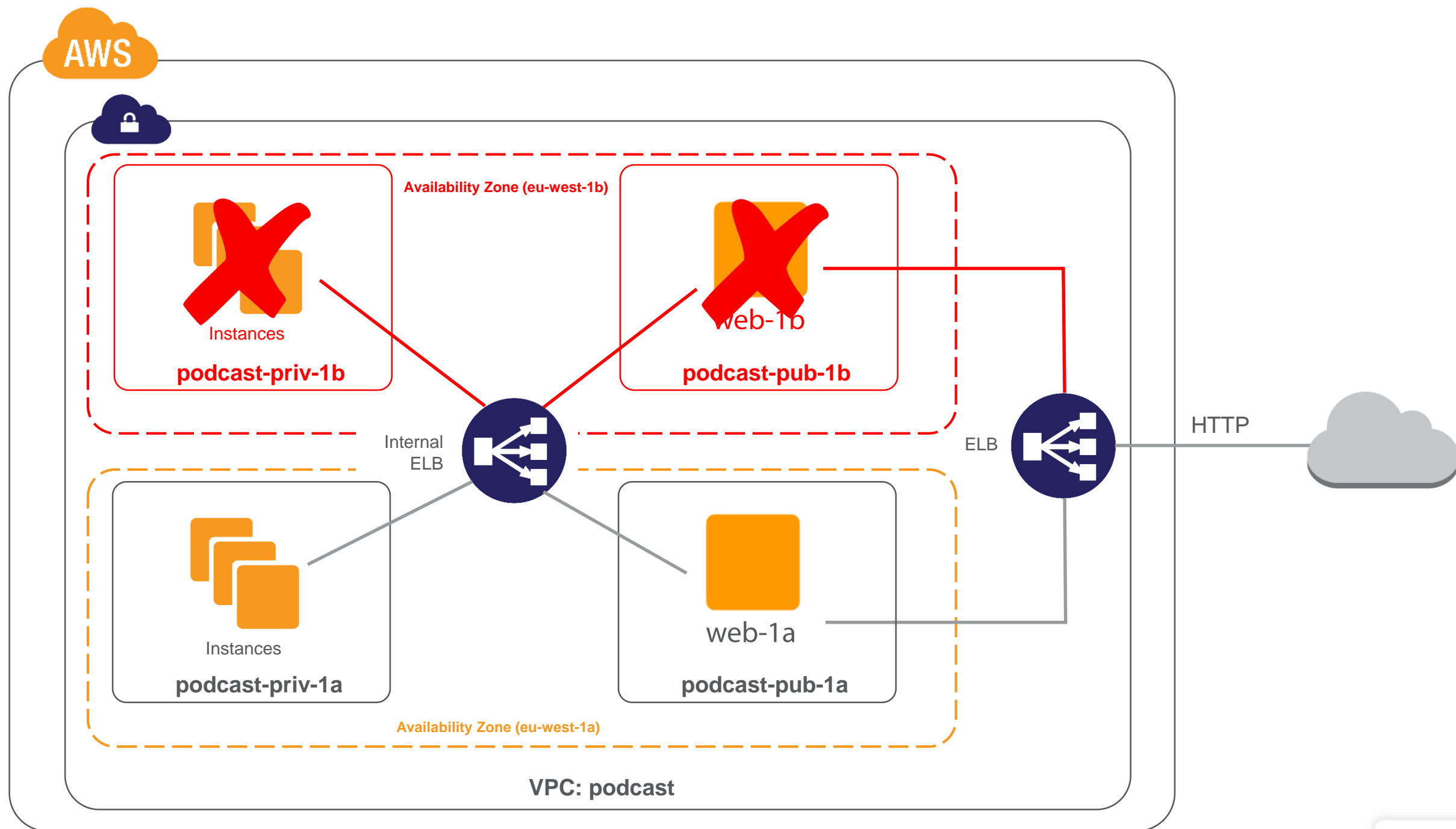
Integrates with Auto Scaling

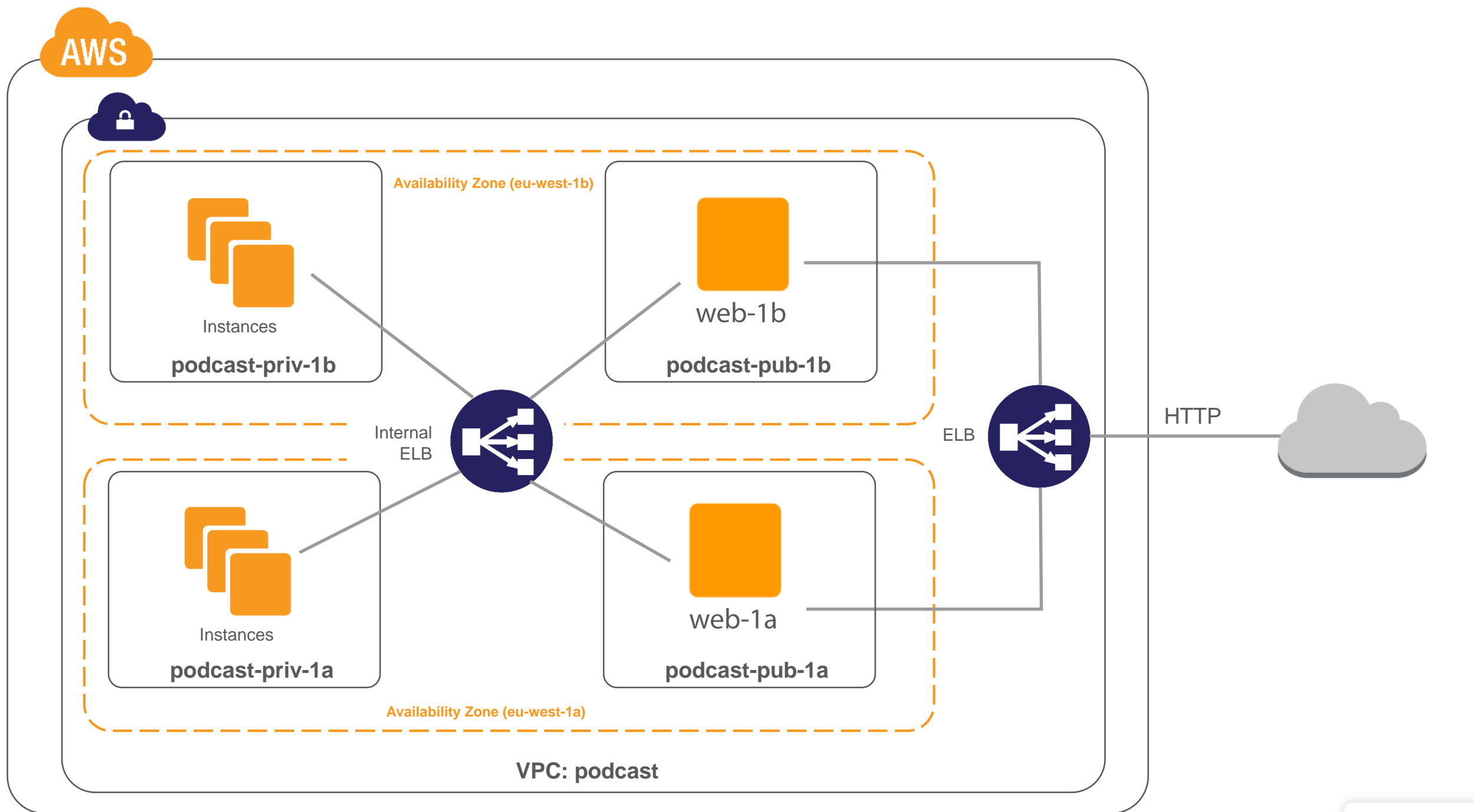


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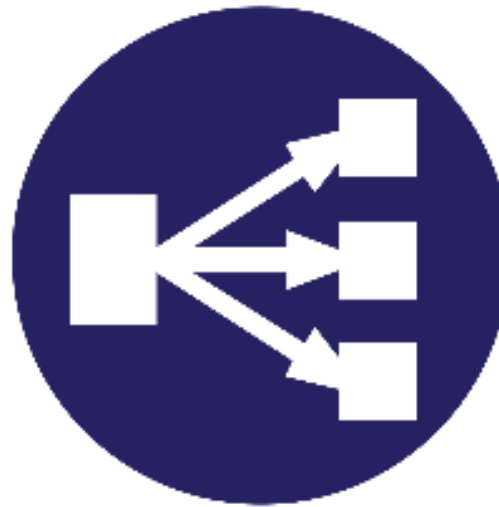
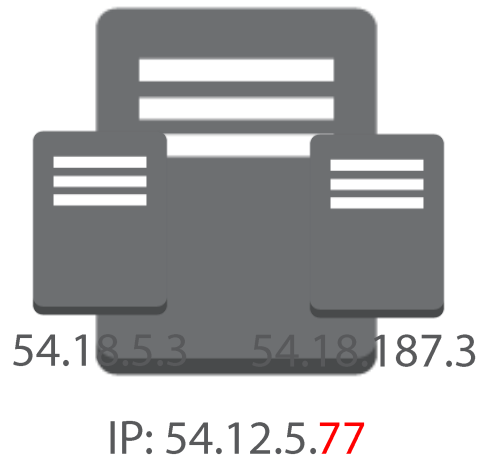


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Behind the scenes



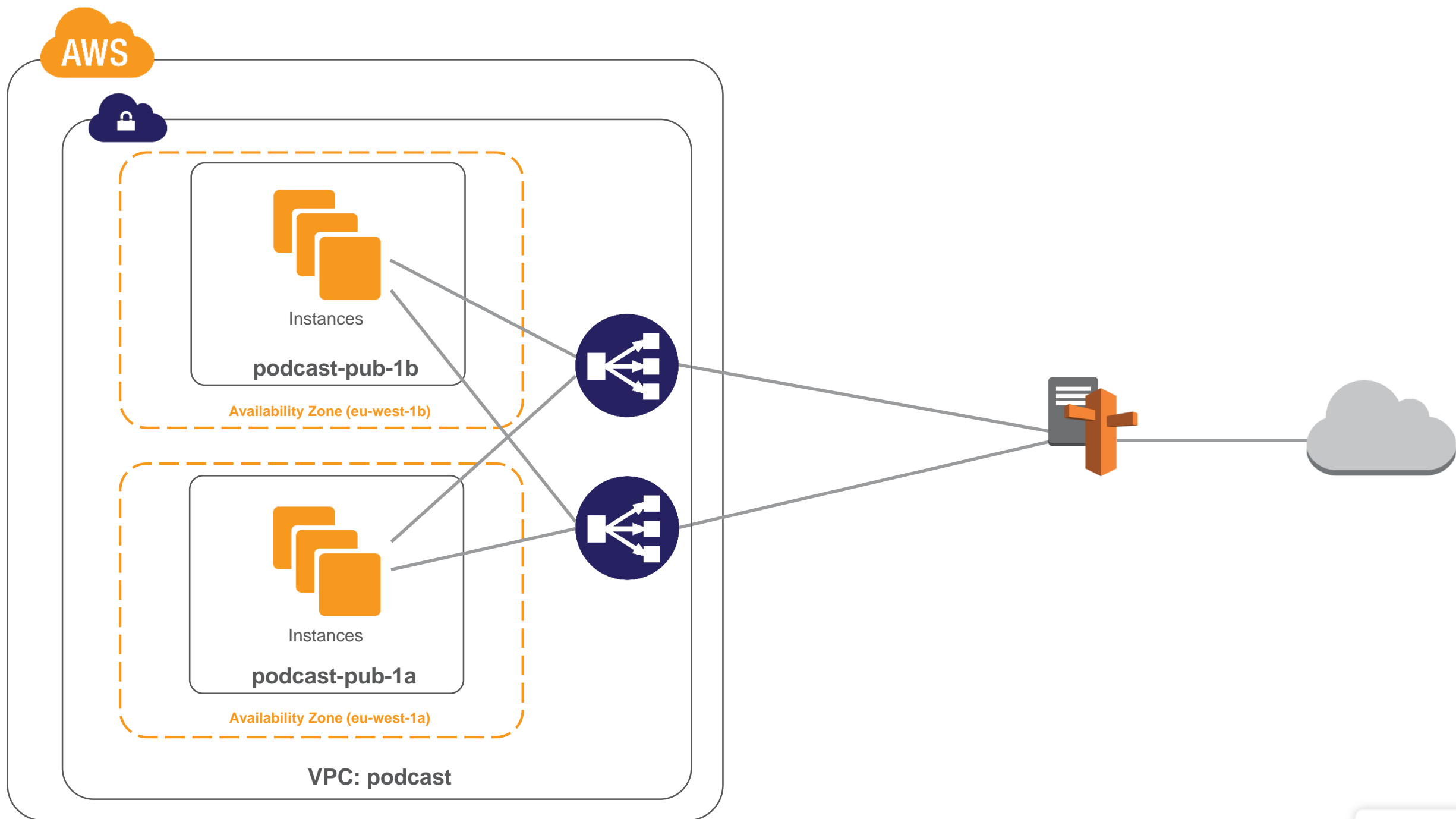
ELB Service

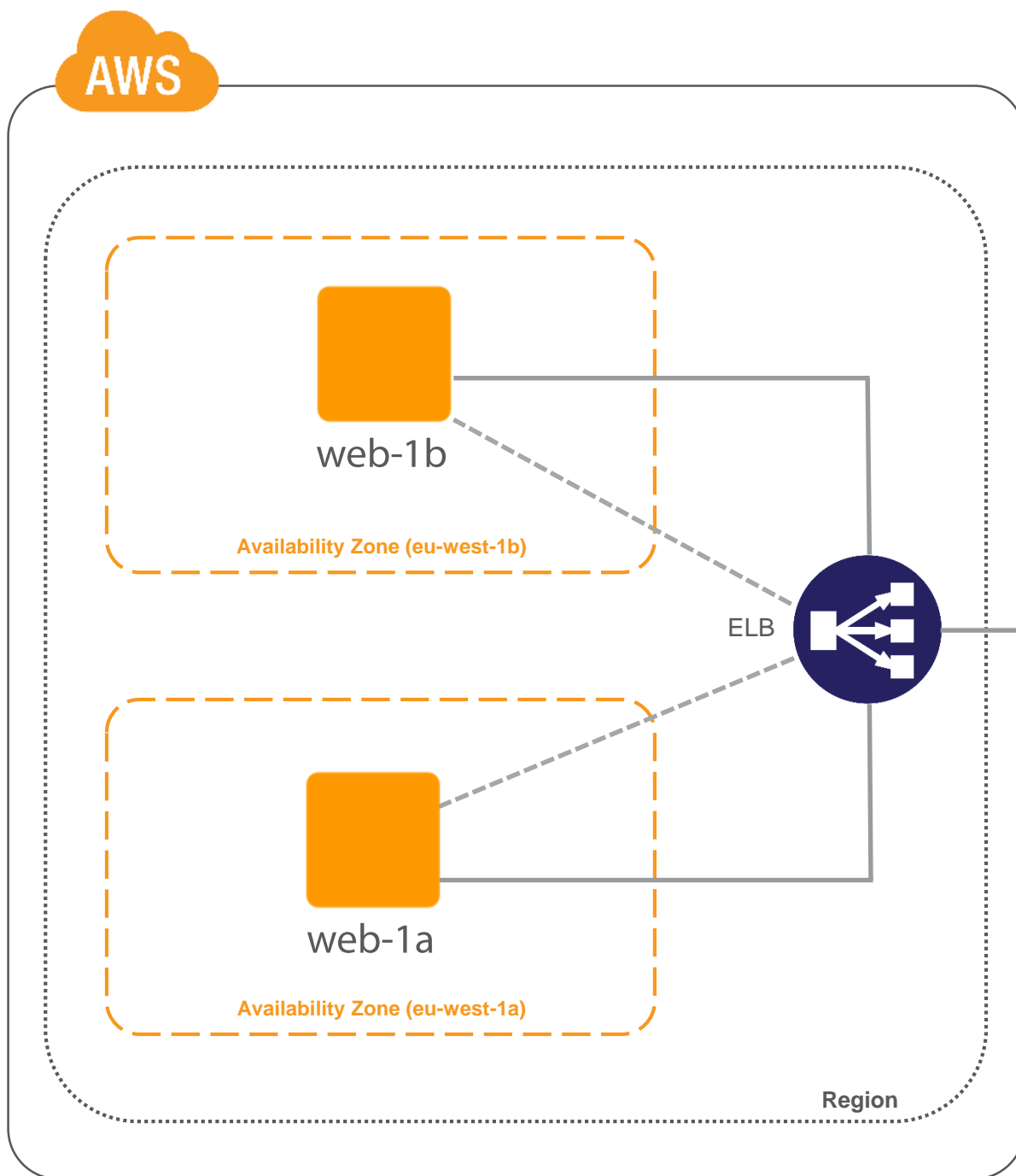


Load

Summary

Elastic Load Balancing is a ***service***





LB Protocol	LB Port	Instance Protocol	Instance Port
HTTP	80	HTTP	80

Cross-Zone Load Balancing: Enabled

Connection Draining: 300 seconds

Health Check: HTTP:80/index.html

- Unhealthy Threshold: 2
- Interval: 10 seconds
- Healthy Threshold: 2