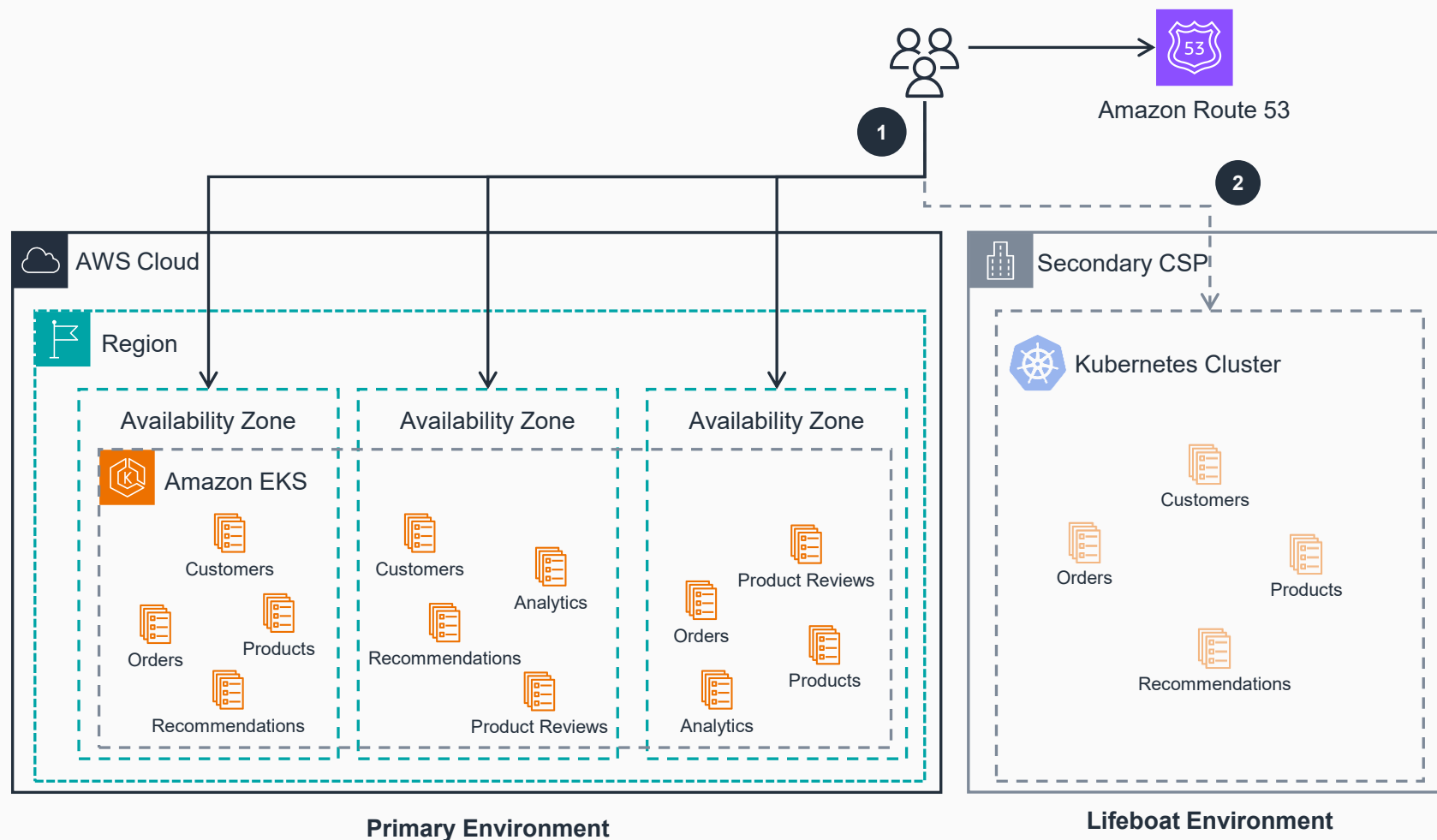


# Guidance for Multicloud Resilience on AWS

This architecture diagram illustrates how to implement a multicloud resilience strategy on AWS using the Lifeboat pattern. It shows how an organization can maintain business continuity by running its full workload on a primary Cloud Service Provider while keeping a critical subset of applications on a secondary CSP as a recovery target, with DNS-based routing controlling traffic direction between environments.



**1 Primary path.** Under normal operating conditions, Amazon Route 53 routes all end-user traffic to the primary CSP (AWS). The primary environment hosts the complete application portfolio deployed across multiple Availability Zones, serving all business functions at full capacity.

**2 Lifeboat path.** If an event impacts the ability of the system to receive and process traffic on the primary CSP, traffic is redirected to the secondary CSP through pre-configured DNS routing mechanisms. The failover process follows static stability principles — all routing configurations and health checks are established ahead of time so that the failover executes without requiring operators to make real-time changes to the control plane. The lifeboat environment runs a critical subset of applications on a separate infrastructure, purpose-built to sustain minimum business continuity until the primary environment is restored.

