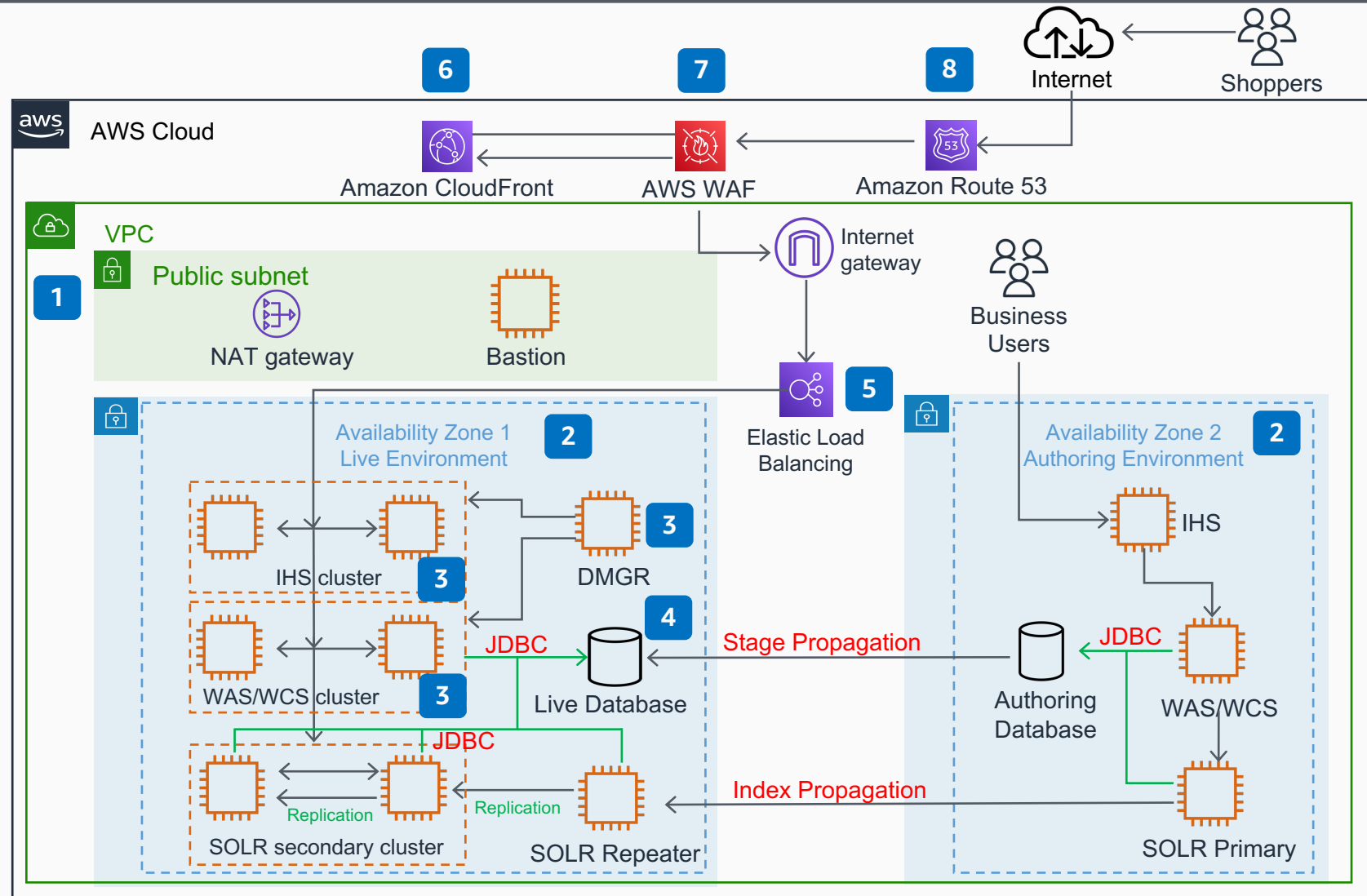


WebSphere Commerce (WCS) on AWS

Reference architecture for a lift and shift approach to move legacy ecommerce website from on-premises to AWS, allowing for unlimited resources to scale your ecommerce website when you need it. For more details, see [Three Steps for Modernizing Your DTC Ecommerce Website](#).



- 1 Single AWS Region and single **Amazon Virtual Private Cloud (Amazon VPC)** provide similar architecture as an on-premise data center setup.
- 2 Multiple Availability Zones provide resilience and separate authoring workload from live.
- 3 Out-of-the-box WebSphere Commerce clusters are set up to provide high availability and instance management via DMGR (deployment manager).
- 4 Use an [AWS partner solution to run production workload on Oracle RAC](#) or [Create highly available IBM Db2 databases in AWS](#).
- 5 Elastic Load Balancing distributes network traffic to improve the scalability and availability of your applications across multiple instances.
- 6 **Amazon CloudFront** provides a highly secure and programmable content delivery network (CDN).
- 7 **AWS WAF** is the web application firewall that protects the ecommerce website against common web exploits.
- 8 **Amazon Route 53** provides DNS configuration.



Reviewed for technical accuracy May 20, 2021
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AWS Reference Architecture