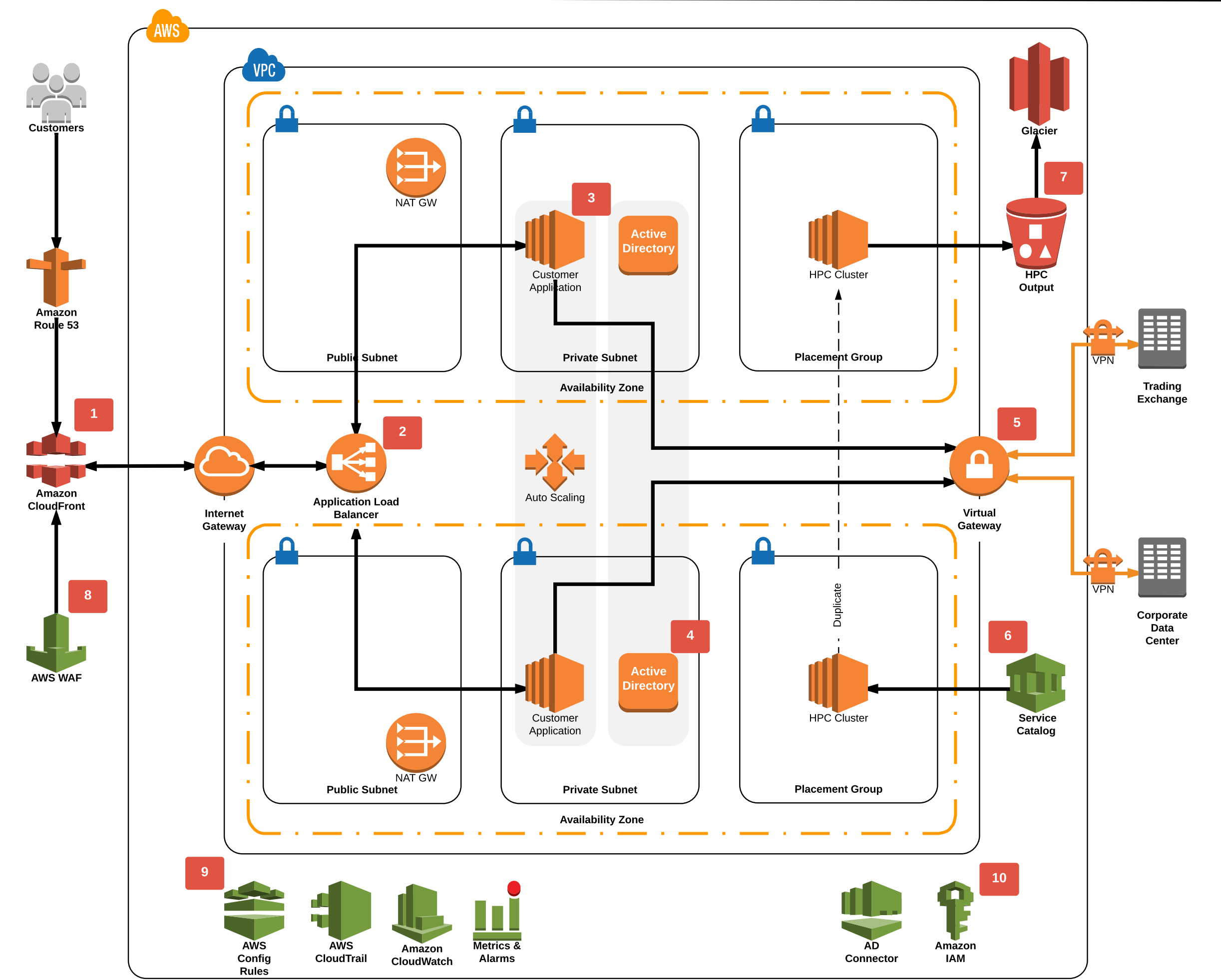


Financial Services

AWS Reference Architecture

Financial services are the economic services provided by the finance industry, which encompasses a broad range of businesses that manage money, including credit unions, banks, credit-card companies, insurance companies, accountancy companies, consumer-finance companies, stock brokerages, investment funds, individual managers and some government-sponsored enterprises.



- 1 Use Amazon CloudFront for caching and delivery of content from the Customer-facing Application.
- 2 Use an Application Load Balancer to distribute traffic to Amazon EC2 instances running in multiple Availability Zones.
- 3 Leverage Auto Scaling Groups to scale applications horizontally. DevSecOps can be implemented to harden, and update application tiers.
- 4 Replicate Active Directory from a corporate data center to leverage existing security policies, and integrate with AWS services using the AD Connector.
- 5 Establish secure connections with existing data centers, or vendors, via VPN Connections and/or MPLS networks.
- 6 Securely deploy compute grids on-demand with AWS Service Catalog, while adhering to existing governance policies. Run multiple grids to parallelize streams of work.
- 7 Conveniently store grid output in S3 for future reference, and analysis. Terminate compute grids after use to reduce, and manage costs. Assign lifecycle policies to output buckets to reduce storage costs of infrequently accessed data.
- 8 Secure web applications from common exploits with AWS Web Application Firewall.
- 9 Audit resource access with AWS CloudTrail. Monitor resources with CloudWatch. Assess compliance adherence, and enforce change policies with AWS Config. Use AWS Config to view historical configuration of resources.
- 10 Develop fine-grained access policies and roles using Amazon Identity & Access Management (IAM). Map roles to on-premise Active Directory users and groups using AD Connector.

9

AWS Config Rules

AWS CloudTrail

Amazon CloudWatch

Metrics & Alarms

AD Connector

Amazon IAM

10



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