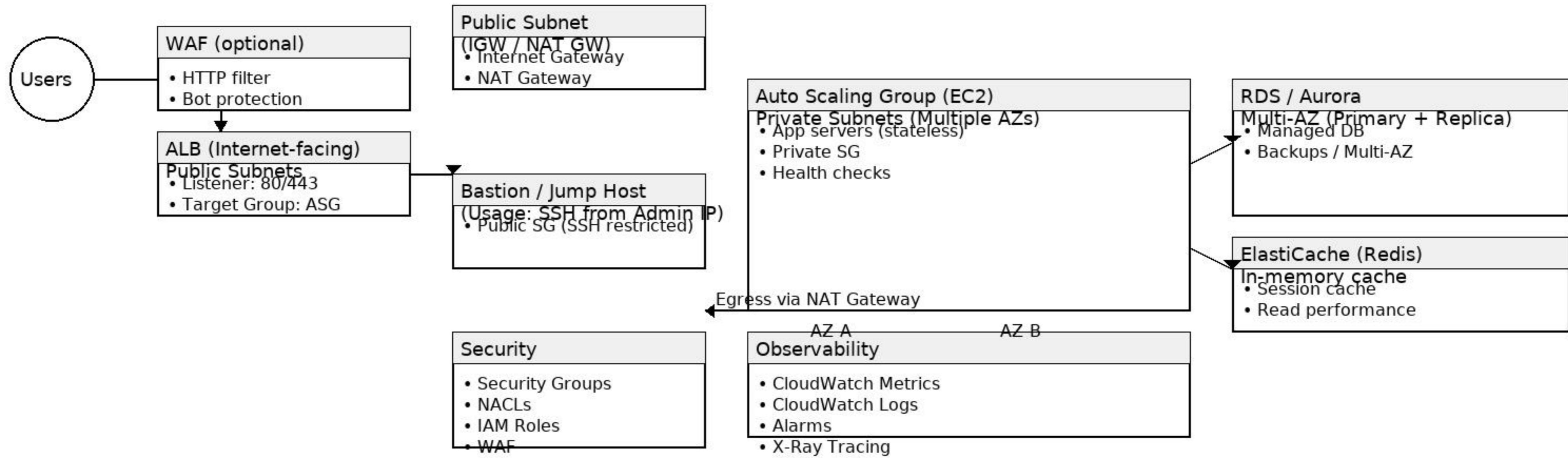


Highly Scalable AWS Web App Architecture (10,000 concurrent users)



Design notes: ALB distributes traffic to ASG in private subnets. ASG scales EC2s based on CPU/Request metrics.

RDS Aurora provides managed multi-AZ DB with replicas for read scaling. ElastiCache reduces DB load.

Security: ALB SG allows 80/443, EC2 SG allows traffic only from ALB SG. NACLs provide subnet-level control.

Observability: CloudWatch metrics/logs + alarms + optional X-Ray for tracing. WAF in front of ALB for protection.