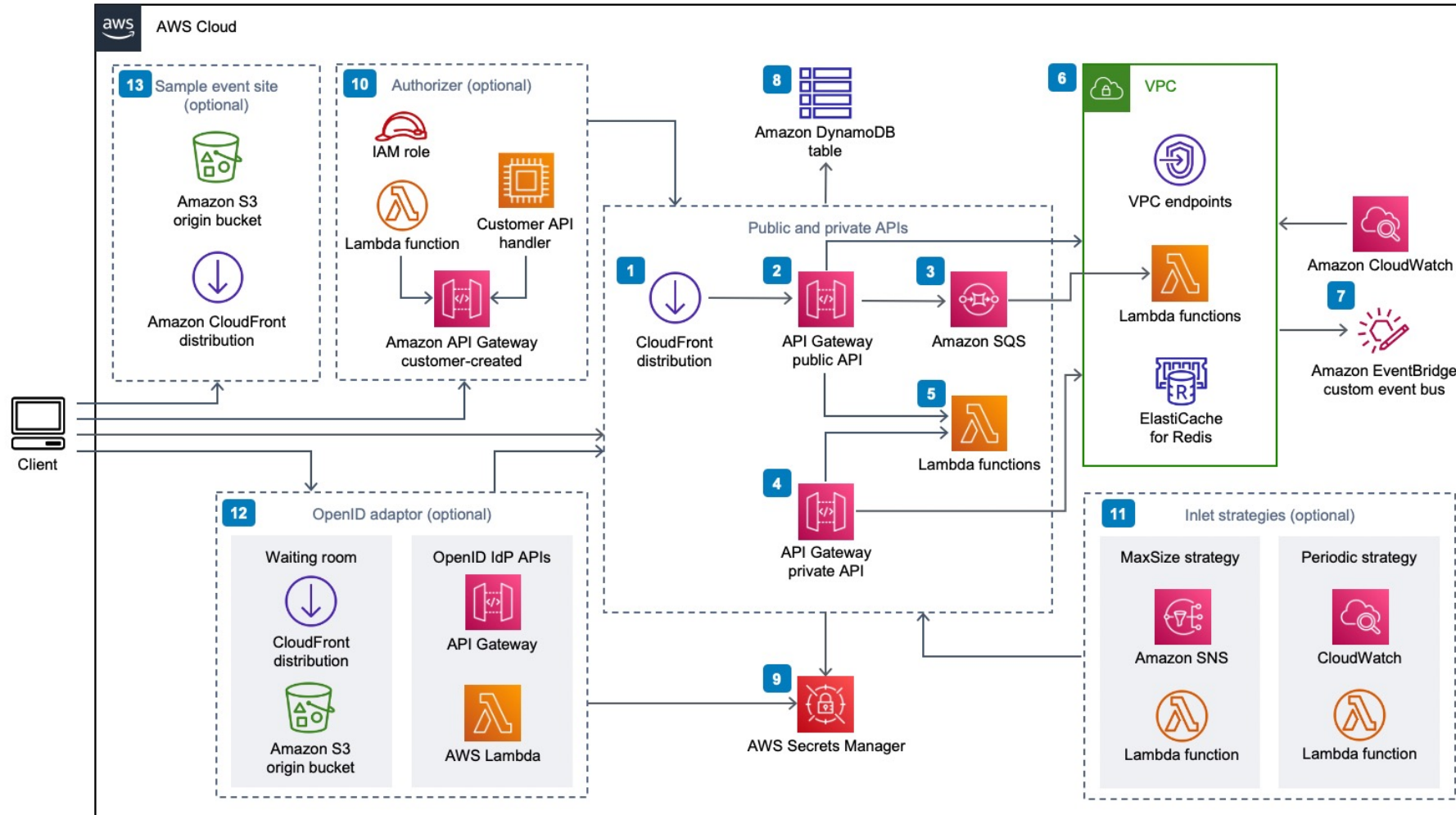


AWS Virtual Waiting Room

This solution helps buffer incoming user requests to your website during unusually large bursts of traffic to enable seamless scalability and protect downstream systems. To deploy this solution using the available AWS CloudFormation templates, select **Deploy with AWS**.



- 1 An **Amazon CloudFront** distribution to deliver public API calls for the client.
- 2 **Amazon API Gateway** public API resources to process queue requests from the virtual waiting room.
- 3 An **Amazon Simple Queue Service (Amazon SQS)** queue to regulate traffic.
- 4 **API Gateway** private API resources to support administrative functions.
- 5 **AWS Lambda** functions to validate and process public and private API requests.
- 6 **Amazon Virtual Private Cloud (VPC)** to host Lambda functions that interact with the **Amazon ElastiCache for Redis** cluster.
- 7 An **Amazon CloudWatch** rule to work with a custom **Amazon EventBridge** bus to periodically broadcast status updates.
- 8 An **Amazon DynamoDB** table to store token data.
- 9 **AWS Secrets Manager** to store keys for token operations and other sensitive data.
- 10 Optional Authorizer component.
- 11 Two optional inlet strategy components.
- 12 Optional OpenID adaptor component.
- 13 Optional sample waiting room web application.

