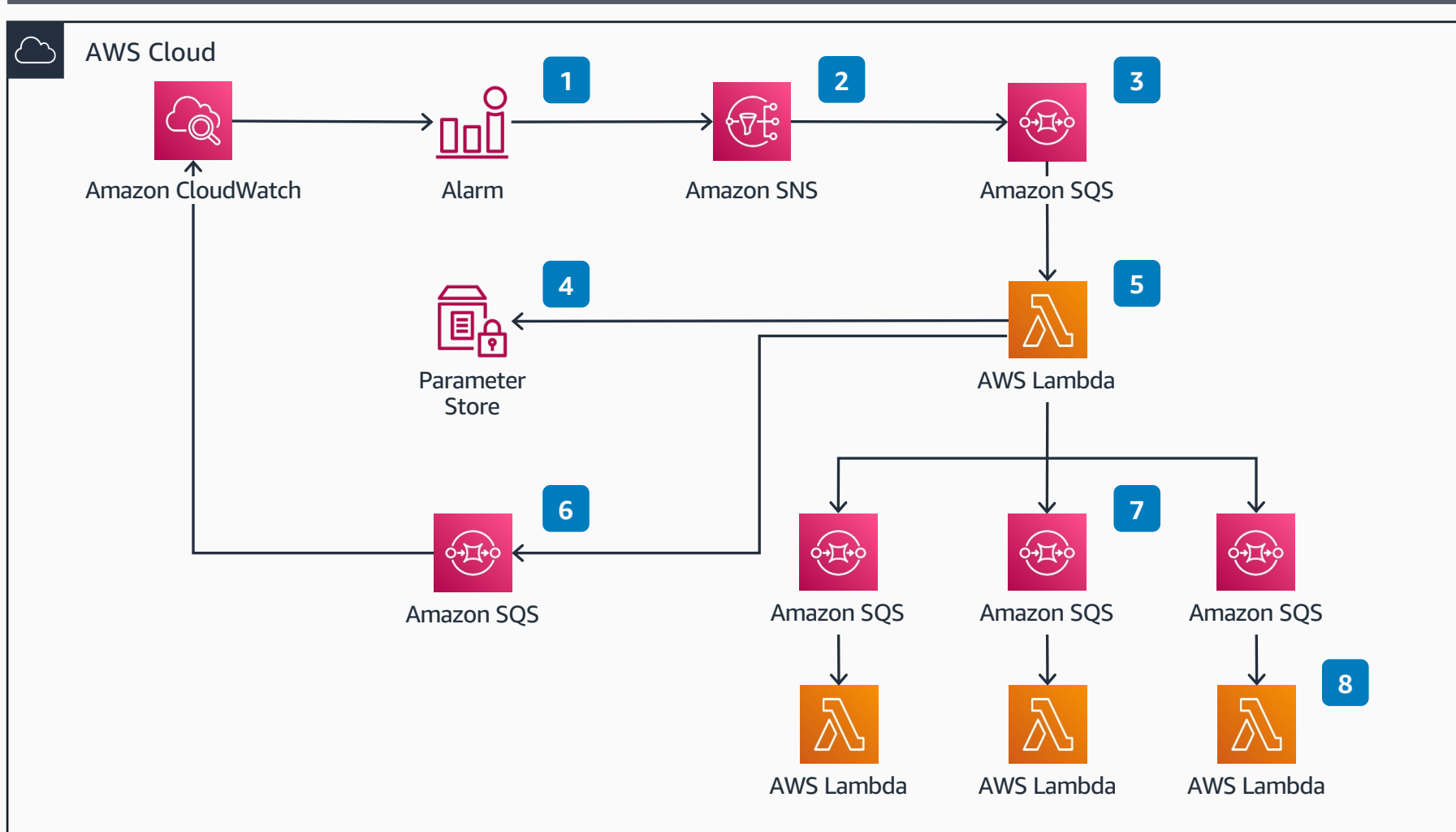# Centralized Alarms and Notifications

Configure workload-specific notifications

Deployment of a serverless monitoring and alarm system configured to send workload-specific notifications.

1 Cross-account **Amazon CloudWatch** alarms are created in central monitoring account. **CloudWatch** alarms can be tagged with resource identifiers.

2 Central **Amazon Simple Notification Service (Amazon SNS)** topic is configured to receive alarm events.

3 (Optional) Use intermediary **Amazon Simple Queue Service (Amazon SQS)** to buffer **AWS Lambda** invocations if concurrency issues occur.

4 Workload-specific configuration is stored in central monitoring account containing details on connected workload **Amazon SNS** topics.

5 Serverless function receives alarm event, and queries parameter store for account and workload **Amazon SNS** delivery topics. Validation occurs to check for configured topics. The function cycles through configured **Amazon SNS** topics and sends payload.

6 Messages where no workload configuration exists are sent to monitoring **Amazon SQS** dead letter queue (DLQ).

7 **Amazon SNS** topics configured to receive the message invoke an associated **AWS Lambda** function to process the message.

8 Each **AWS Lambda** function performs a unique action (for example, send email).

AWS Reference Architecture