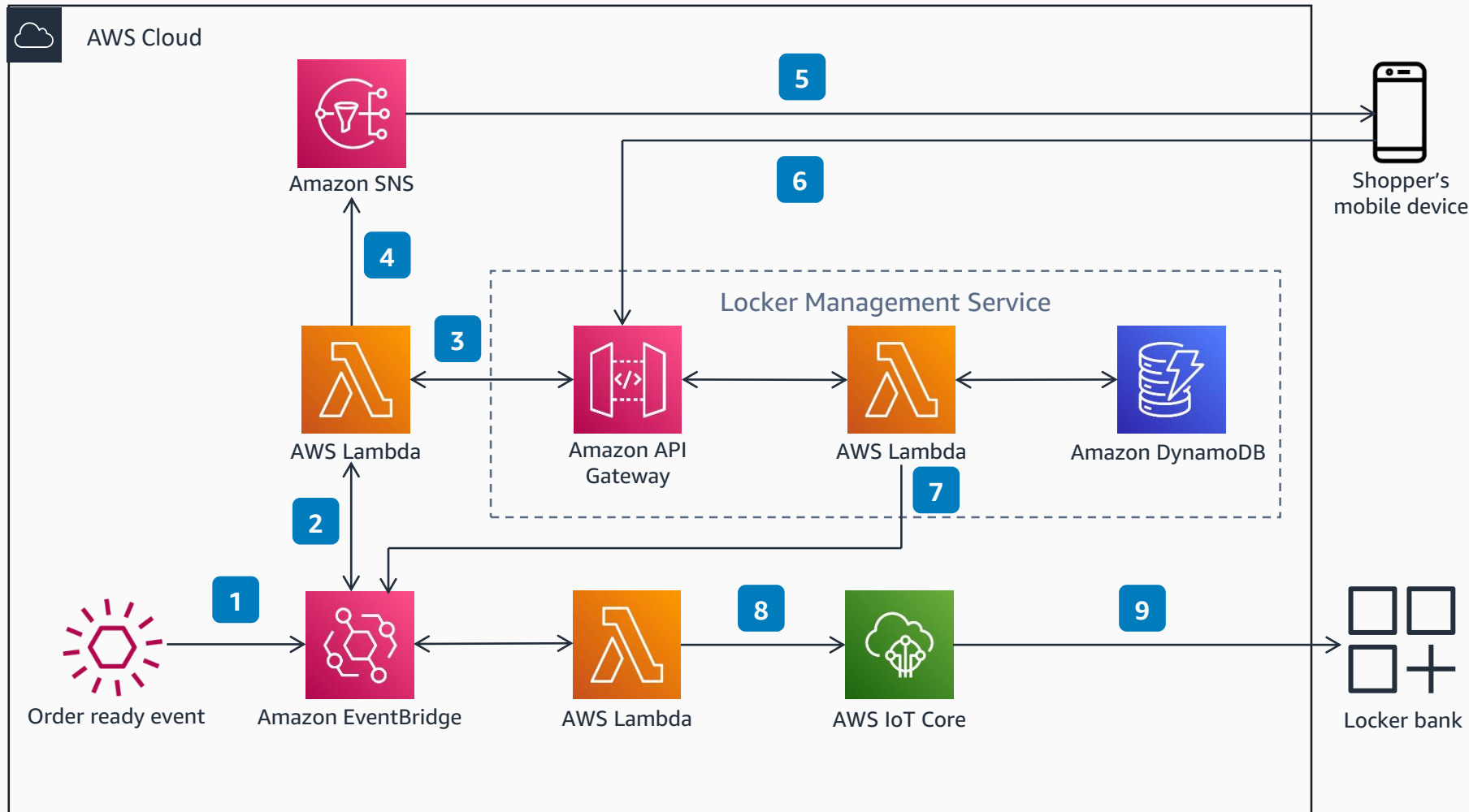# Guidance for Buy Online Pickup in Store/Curbside on AWS

This serverless architecture allows a shopper to pick up their order from a bank of lockers.

1. The order ready event containing locker information is published to **Amazon EventBridge**.

2. The **AWS Lambda** function subscribes to the order ready event.

3. The **Lambda** function calls the **Amazon API Gateway** backed by another **Lambda** function, which retrieves a one-time use passcode from **Amazon DynamoDB**.

4. The initial **Lambda** function uses **Amazon Simple Notification Service (Amazon SNS)** to notify the shopper that their order is ready for pickup.

5. **Amazon SNS** sends a push notification or SMS message to the shopper's mobile device that includes a link with the one-time use passcode to open the locker(s).

6. When the shopper arrives at the locker, they confirm the one-time use passcode.

7. **Lambda** sends an order pickup event to **EventBridge**.

8. Another **Lambda** function is subscribed to this event. This **Lambda** function looks up the locker(s) for the shopper, then sends the event to **AWS IoT Core**.

9. **AWS IoT Core** sends a message to open the shopper's locker(s).

AWS Reference Architecture