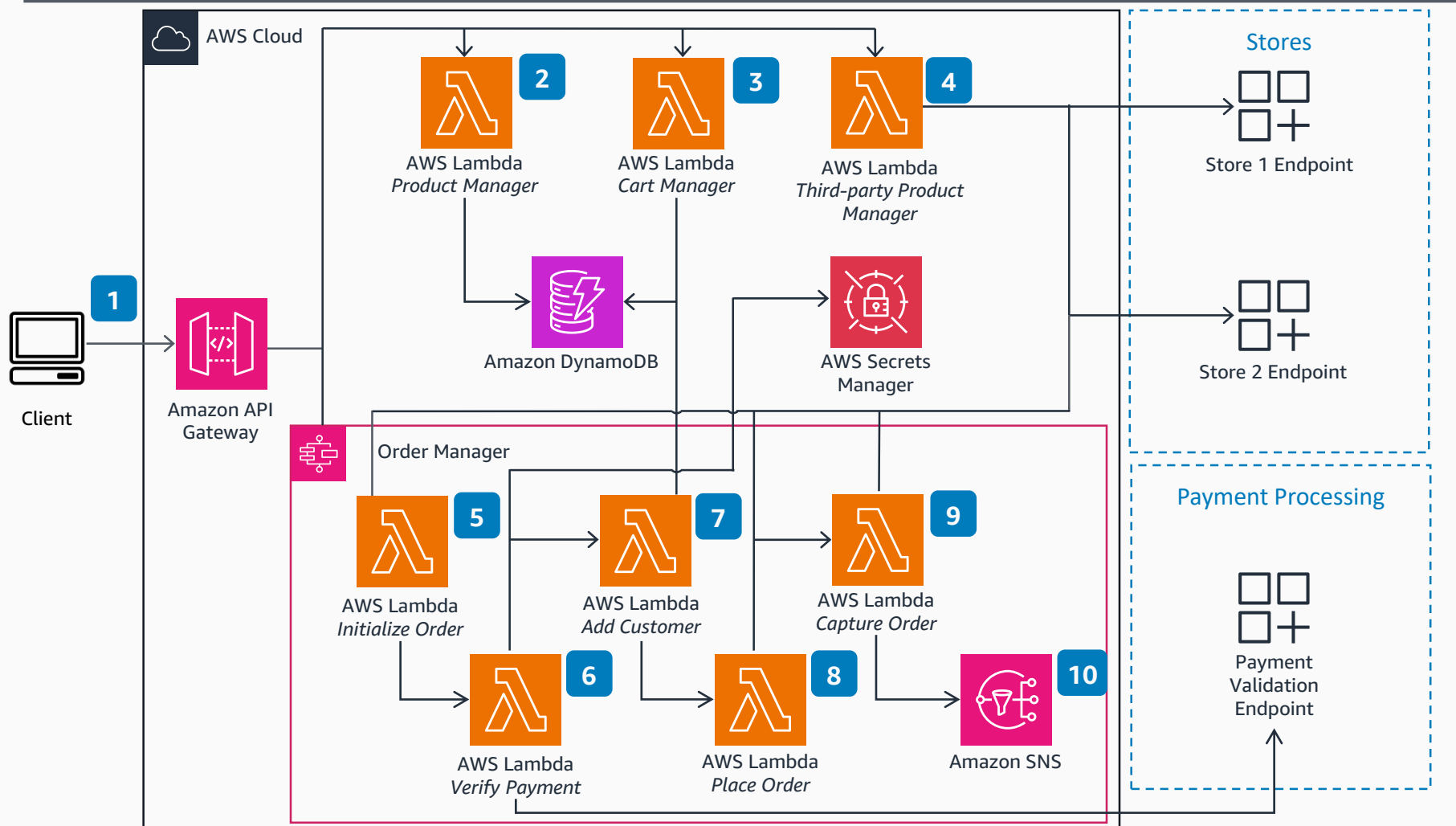


Guidance for Buy-It-Now on Third-Party Websites on AWS

This architecture diagram shows how customers can buy third-party retail products without leaving the brand website.



- 1 Amazon API Gateway authenticates the client.
- 2 The client browses the available products on the brand website using the *Product Manager* AWS Lambda function. Amazon DynamoDB stores the products.
- 3 The client selects the items they want to purchase and adds them to a cart in DynamoDB using the *Cart Manager* Lambda function.
- 4 The client views the cost of the items in the cart using the *Third-party Product Manager* Lambda from multiple stores. The third-party store endpoints retrieve the price of the items in the cart.
- 5 AWS Step Functions *Order Manager* workflow places the order. The *Initialize Order* Lambda function locks the inventory in the third-party store using the selected store endpoint.
- 6 The *Verify Payment* Lambda function uses the secrets stored in AWS Secrets Manager to verify the payment details using the third-party payment validation endpoint.
- 7 The *Add Customer* Lambda function adds the client's details and any store loyalty details to the DynamoDB table.
- 8 The *Place Order* Lambda function uses the selected store endpoint to place the order.
- 9 The *Capture Order* Lambda function captures the order details from the previous step and stores it in the DynamoDB table.
- 10 Amazon Simple Notification Service (Amazon SNS) updates the status of the order. If the client has subscribed to the SNS topic, they will receive an email with the order details.

