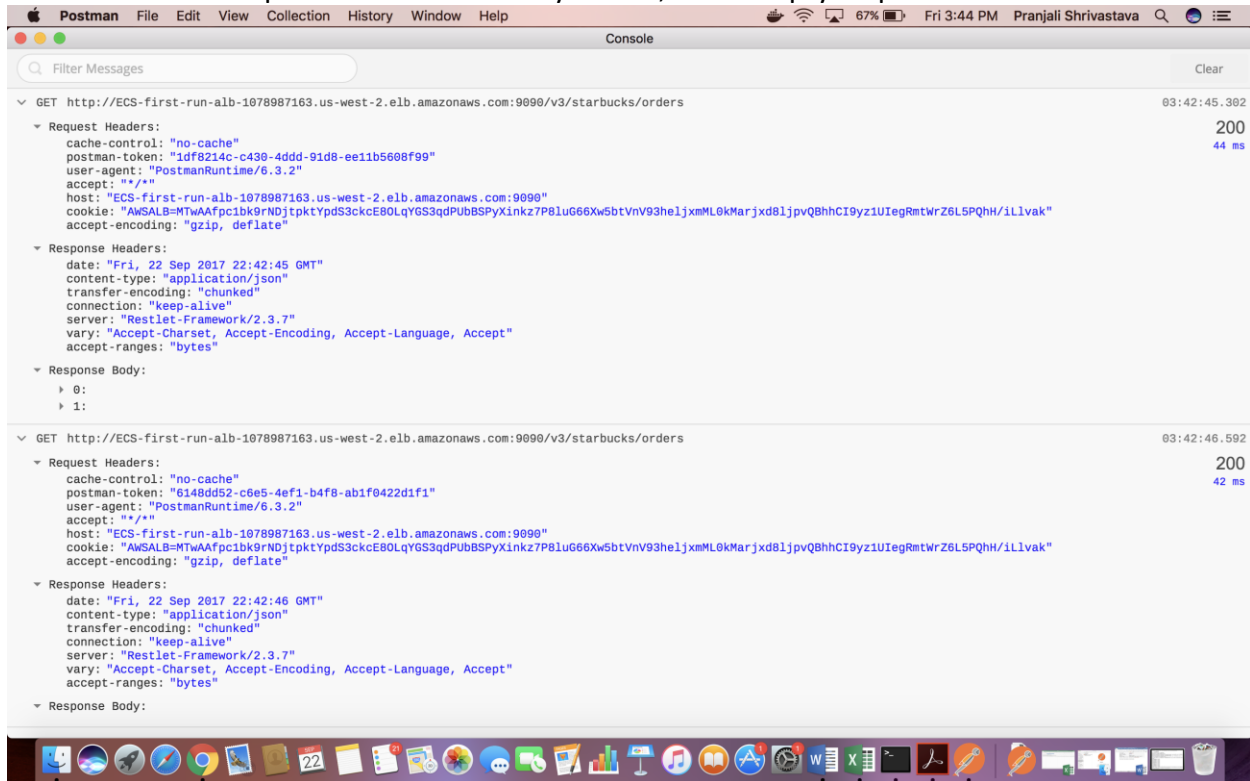
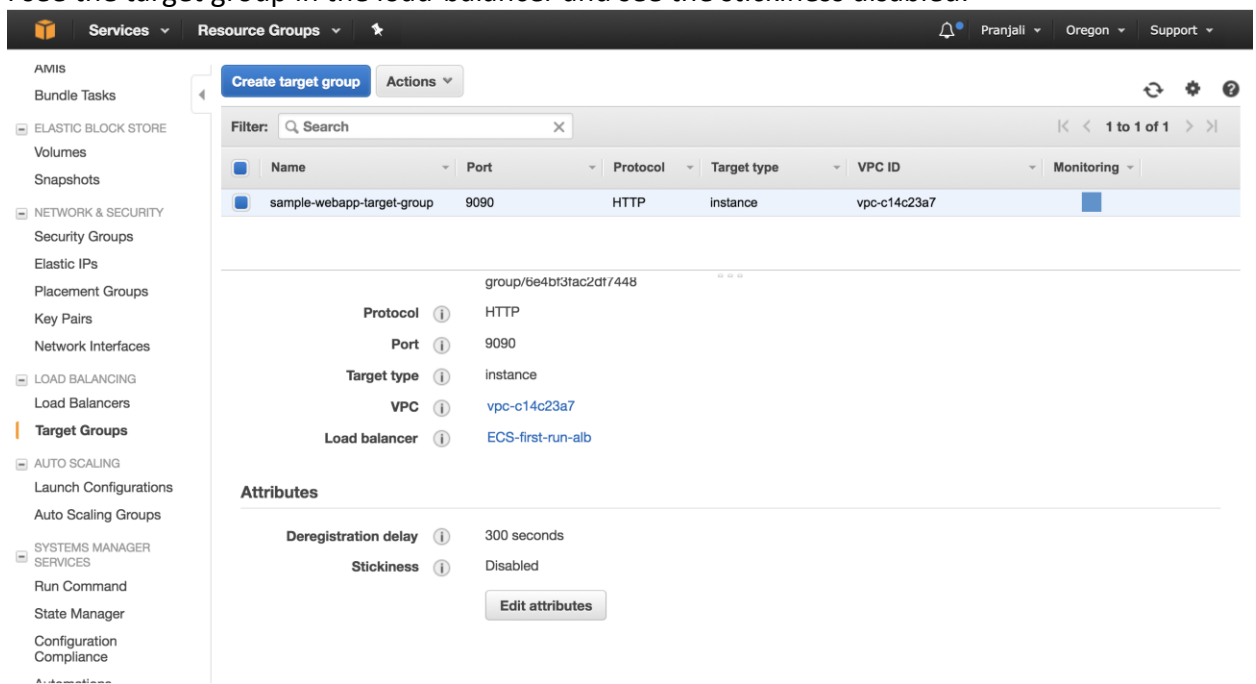


Solution of the stated problem:

1. I hit the starbucks_v3 service from the postman to get the placed order details and see 2 different responses (a correct one and an empty one), the screenshot shows the 2 different responses: 1st contains my orders, 2nd is empty response.



2. I see the target group in the load-balancer and see the stickiness disabled:



3. I enable the stickiness to a desired period of time.

The screenshot shows the AWS Management Console interface for configuring a Target Group. The left sidebar lists various services, with 'Target Groups' selected under 'LOAD BALANCING'. The main panel displays the configuration for a target group named 'sample-webapp-target-group'. The configuration includes:

- Name:** sample-webapp-target-group
- Port:** 9090
- Protocol:** HTTP
- Target type:** instance
- VPC ID:** vpc-c14c23a7
- Monitoring:** Enabled

Below the configuration, the 'Attributes' section shows:

- Deregistration delay:** 300 seconds
- Stickiness:** Enabled: Load balancer stickiness (1 minute)

An 'Edit attributes' button is visible at the bottom of the attributes section.

4. Now my session is stick to one EC2 instance and each time I hit the service, I get the response from the same instance. Below snapshot shows the 2 responses after enabling the stickiness. Both responses contain my order details.

The screenshot shows a Postman test runner with two consecutive GET requests to the Starbucks API. Both requests return a 200 status code and the same response body, demonstrating session stickiness.

Request 1: GET http://ECS-first-run-alb-1078987163.us-west-2.elb.amazonaws.com:9090/v3/starbucks/orders. Response: 200, 128 ms.

Request 2: GET http://ECS-first-run-alb-1078987163.us-west-2.elb.amazonaws.com:9090/v3/starbucks/orders. Response: 200, 45 ms.

Both responses contain the same JSON data, including order details and headers.