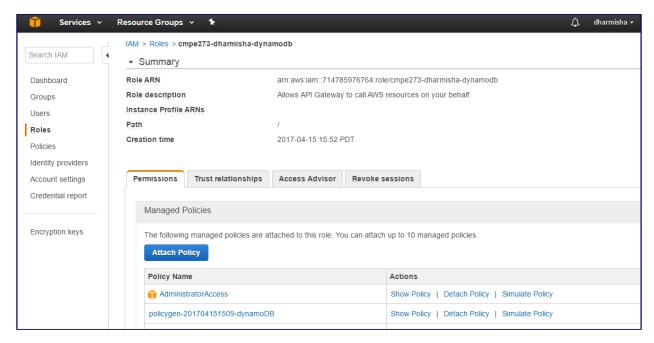
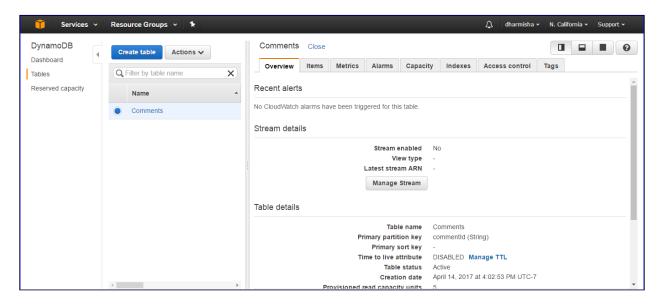
LAB-2

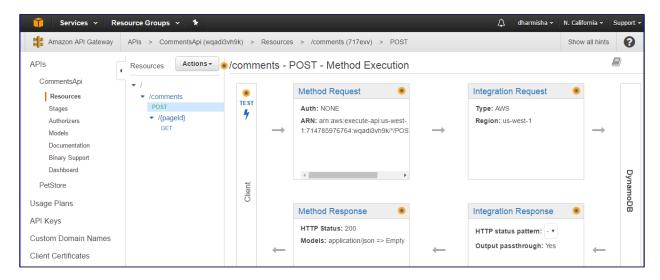
Creating IAM Role and policy for accessing Dynamo DB through API



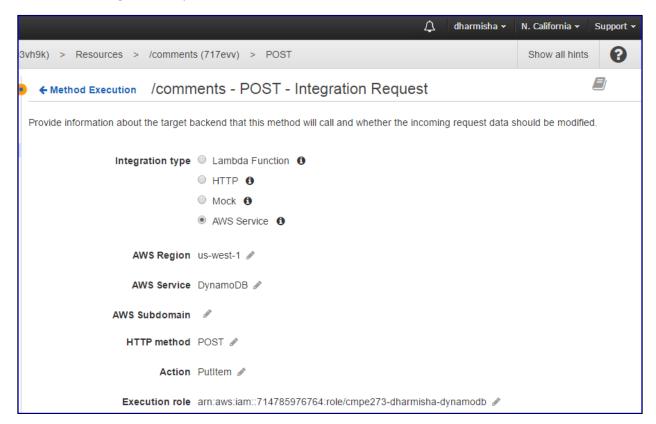
Comments Table



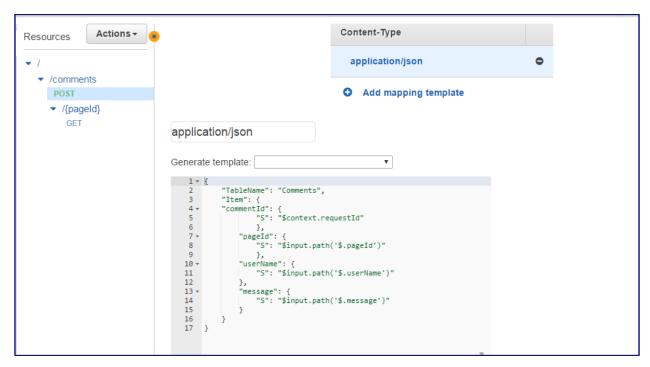
• Resources created



• Post Integration Request



• Post Integration request: application/json template



Request Body for POST

```
Request Body

1 * {
2     "pageId": "01",
3     "userName": "Dharmisha",
4     "message": "Lab 2 Completed successfuly"

5  }

1 * [
2     "pageId": "01",
3     "userName": "Dharmisha",
4     "message": "Lab 2 Completed successfuly"

5  }
```

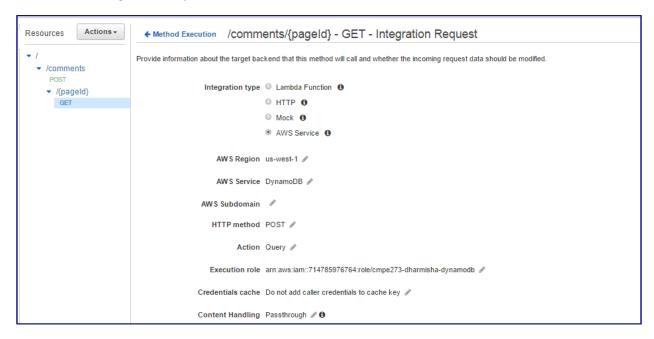
POST Logs

```
Δ
                                                       dharmisha 🕶
                                                                     N. California *
                                                                        Show all hints
     ********7fabbb, X-Amz-Date=20170420T060007Z, x-amzn-apigateway-api-id=wqadi3vh9
k, Accept=application/json, User-Agent=AmazonAPIGateway_wqadi3vh9k, X-Amz-Security-Token
=AgoGb3JpZ2luEHoaCXVzLXdlc3QtMSKAAnV4aMIAm6woCCpa6BgFLOb1v68FZnBQX3xcHupMf5cQczFYtj/r09e
e8pUM7WJIhf3NIGm4ewMnAXOIIBMhqAYB9RCwIDvQYtQxlLmFGIzayeuzoVftGBXn1mYhUP8R8t00D0iCxs5Xssy
6WdxL9N0AktEs+zSNyeGiDooGceWGN9qYIXpb/pftUgYWH9tI7LPCyX33IavGfEMCVWBpH7gccMA1QaSj1YxC3Jo
czZxIEBmsbSHlwLUSJaORdtbNdTEpZvzkYOGERkOTGYH0We0VZe1Ir/vQVLj3859hZVdox4IcgPcpvIjfHV8mUMN
W4+YxooWqnAoWge4XM5Tq0KIqgQMIbxAAGgw3MTQ3ODU5NzY3NjQiDC/Ww1znM/yk9E3YhireApsorMQ5cOicN/S
fMOfPTjM/E0I24CS80f0iaghXrsNAtp9dV5MSPY2xnKxdHKu1BNtyPjMZ6EZzrEWziadf6/utz9gRrohXe08p5nR
[TRUNCATED]
Thu Apr 20 06:00:07 UTC 2017 : Endpoint request body after transformations: {
    "TableName": "Comments",
    "Item": {
        "commentId": {
           "S": "test-invoke-request"
           },
        "pageId": {
           "S": "01"
           },
        "userName": {
           "S": "Dharmisha"
        },
        "message": {
           "S": "Lab 2 Completed successfuly"
Thu Apr 20 06:00:07 UTC 2017 : Endpoint response body before transformations: {}
Thu Apr 20 06:00:07 UTC 2017 : Endpoint response headers: {Server=Server, Connection=kee
p-alive, x-amzn-RequestId=A0NBB3IRQHLFQK6GHL0QNUC6V3VV4KQNSO5AEMVJF66Q9ASUAAJG, x-amz-cr
c32=2745614147, Content-Length=2, Date=Thu, 20 Apr 2017 06:00:07 GMT, Content-Type=appli
cation/x-amz-json-1.0}
Thu Apr 20 06:00:07 UTC 2017 : Method response body after transformations: {}
Thu Apr 20 06:00:07 UTC 2017 : Method response headers: {X-Amzn-Trace-Id=Root=1-58f84e67
-7b6c8dc948c78567ed3f4af9, Content-Type=application/json}
Thu Apr 20 06:00:07 UTC 2017 : Successfully completed execution
Thu Apr 20 06:00:07 UTC 2017 : Method completed with status: 200
```

Post inserted in dynamo table



• GET: Integration Request



• GET: Mapping Template

GET: Test



GET: Logs

```
Thu Apr 20 07:23:55 UTC 2017 : Endpoint request body after transformations: {
    "TableName": "Comments",
    "IndexName": "pageId-index",
    "KeyConditionExpression": "pageId = :v1",
    "ExpressionAttributeValues": {
        ":v1": {
           "S": "01"
Thu Apr 20 07:23:55 UTC 2017 : Endpoint response body before transformations: {"Count":
1, "Items":[{"userName":{"S":"Dharmisha"}, "message":{"S":"Lab 2 Completed successful
y"},"commentId":{"S":"test-invoke-request"},"pageId":{"S":"01"}}],"ScannedCount":1}
Thu Apr 20 07:23:55 UTC 2017 : Endpoint response headers: {Server=Server, Connection=kee
p-alive, x-amzn-RequestId=I6QN67SDP15I4E3J3TF35H4S83VV4KQNSO5AEMVJF66Q9ASUAAJG, x-amz-cr
c32=684523606, Content-Length=175, Date=Thu, 20 Apr 2017 07:23:55 GMT, Content-Type=appl
ication/x-amz-json-1.0}
Thu Apr 20 07:23:55 UTC 2017 : Method response body after transformations: {
    "comments": [
            "commentId": "test-invoke-request",
            "userName": "Dharmisha",
            "message": "Lab 2 Completed successfuly"
Thu Apr 20 07:23:55 UTC 2017 : Method response headers: {X-Amzn-Trace-Id=Root=1-58f8620b
-65d9fbbcdd88128f4ffe0969, Content-Type=application/json}
Thu Apr 20 07:23:55 UTC 2017 : Successfully completed execution
Thu Apr 20 07:23:55 UTC 2017 : Method completed with status: 200
```

• After Deploying GET



• After accessing the URL and substituting '01' as the pageID, following output is obtained

```
← → C Secure | https://wqadi3vh9k.execute-api.us-west-1.amazonaws.com/lab2/comments/01

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{

"comments": [

"commentId": "test-invoke-request",

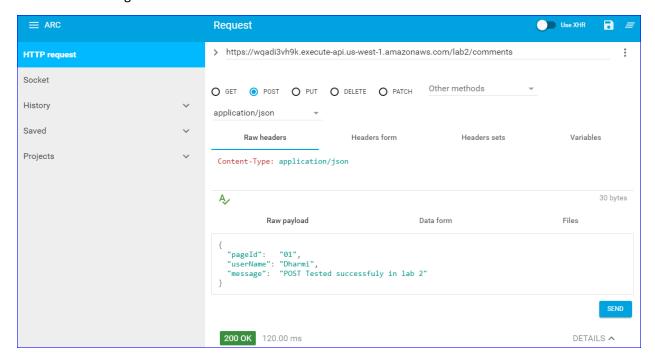
"userName": "Dharmisha",

"message": "Lab 2 Completed successfuly"

}

}
```

POST using advanced REST Client



• Executing GET after POST which shows POST was successful

Table View after POST

