# AWS Project On CRUD OperationsHow to access DynamoDB from AWS Lambda - Cloud well served

# A Small project using AWS S3 , API Gateway, Lambda, DynamoDB, Amplify

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Lambda function codes

Nodejs16

Postdata

const AWS = require("aws-sdk");

const docClient = new AWS.DynamoDB.DocumentClient();

exports.handler = (event, context, callback) => {

const tableName = "employeedata";

const params = {

TableName : tableName,

Item:{

"id" : event.id,

"firstname" : event.firstname,

"lastname" : event.lastname,

"age" : event.age,

}

};

docClient.put(params, function(err, data) {

if (err) {

callback(err, null);

} else {

callback(null, `Successfully updated data for the ${event.id}`);

}

});

};

LambdaFunction

const AWS = require('aws-sdk');

const docClient = new AWS.DynamoDB.DocumentClient();

exports.handler = async (event) => {

const id = event.id;

const tableName = "employeedata";

if (id) {

const params = {

TableName: tableName,

Key: {

"id": id

}

};

try {

const data = await docClient.get(params).promise();

const { id, firstname, lastname, age } = data.Item;

return {

id, firstname, lastname, age

};

} catch (err) {

return {

statusCode: 500,

body: JSON.stringify(err),

};

}

} else {

const params = {

TableName: tableName

};

try {

const data = await docClient.scan(params).promise();

const items = data.Items.map(({ id, firstname, lastname, age }) => ({ id,

firstname, lastname, age }));

return items;

} catch (err) {

return {

statusCode: 500,

body: JSON.stringify(err),

};

}

}

};

DeleteData

const AWS = require('aws-sdk');

var docClient = new AWS.DynamoDB.DocumentClient();

var tableName = "employeedata";

exports.handler = (event, context, callback) => {

console.log(event.id);

var params = {

TableName: tableName,

Key: {

"id": event.id

}

};

docClient.delete(params, function(err, data) {

if(err){

callback(err, data);

}else{

callback(null,`successfully deleted data for ${event.id}`);

}

});

};