

# Deploying AWS Lambda Step-by-Step

Create, Configure, and Test Your  
First Function

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# What is AWS Lambda?

- AWS Lambda is a serverless compute service.
- - Runs code without provisioning servers
- - Triggers from events (e.g., S3, API Gateway)
- - Supports multiple languages (Python, Node.js, etc.)



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# Prerequisites

- - AWS Account
- - Basic knowledge of programming (e.g., Python, Node.js)
- - IAM Permissions to access Lambda and CloudWatch



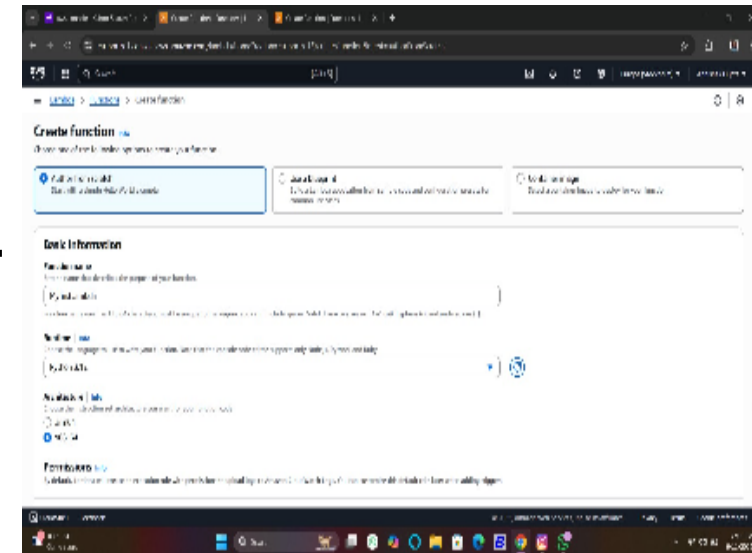
# Step 1 - Log in to AWS Console

- Go to: <https://console.aws.amazon.com>
- 1. Sign in with your AWS credentials
- 2. Navigate to AWS Lambda from the Services menu



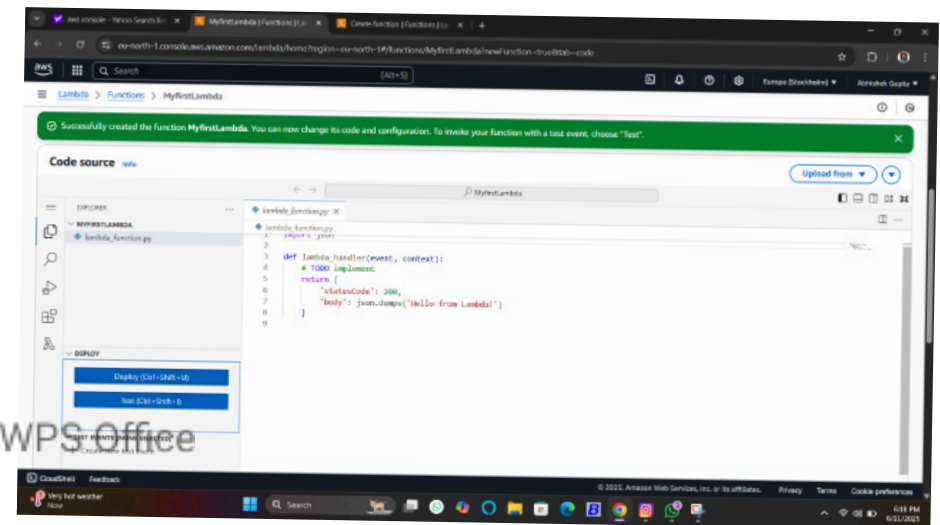
# Step 2 - Create a Lambda Function

- Click Create Function
- - Choose: Author from scratch
- - Name: MyFirstLambda
- - Runtime: e.g., Python 3.12
- - Execution Role:
  - - Choose existing or
  - - Create new role with basic Lambda permissions



# Step 3 - Write Your Code

- Inline Editor:
- `def lambda_handler(event, context):`
- `return {`
- `'statusCode': 200,`
- `'body': 'Hello from Lambda!'`
- `}`
- - Click Deploy to save the code



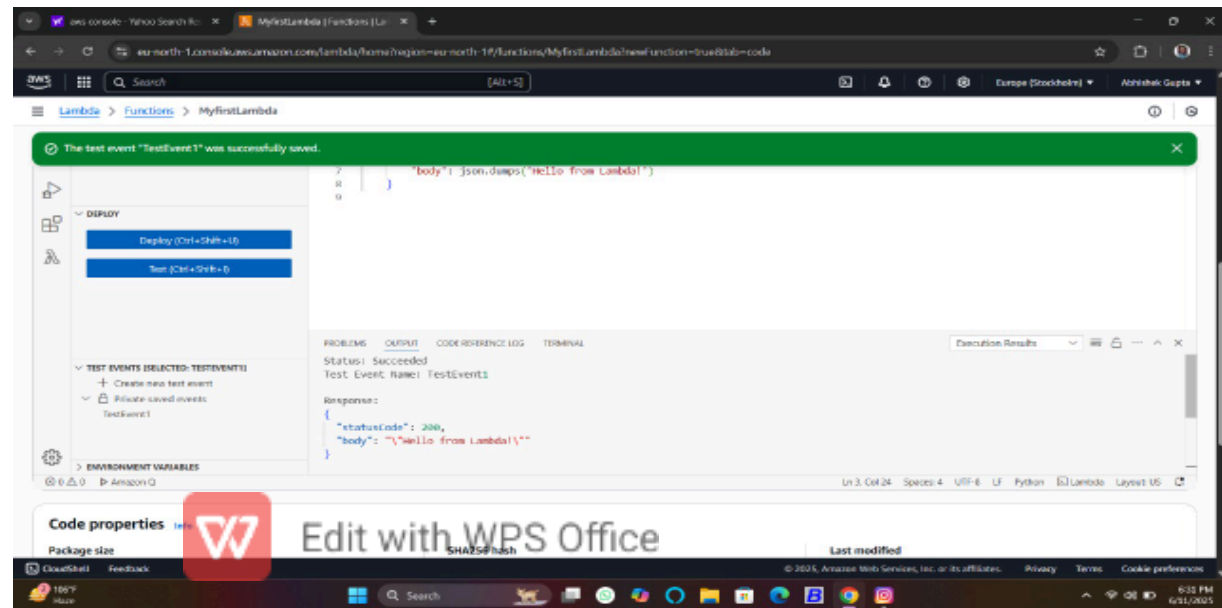
# Step 4 - Configure a Test Event

- Click Test
- - Create a new test event (use default or add sample JSON)
- - Name: TestEvent1
- - Click Test again to run your Lambda



# Step 5 - Check the Output

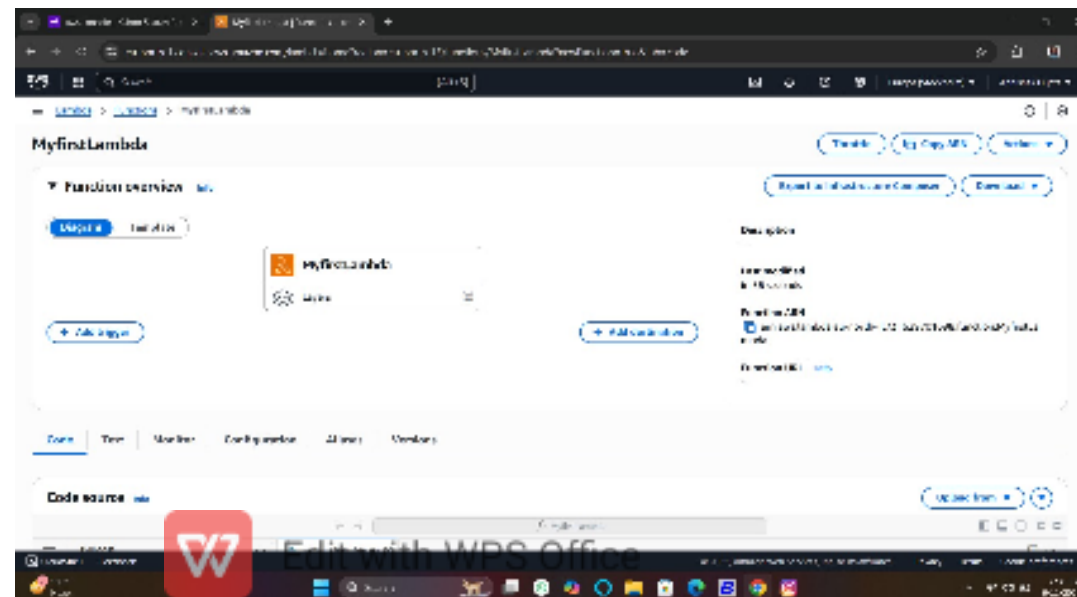
- View:
  - - Execution result
  - - Log output (CloudWatch)
  - - Response, duration, memory used





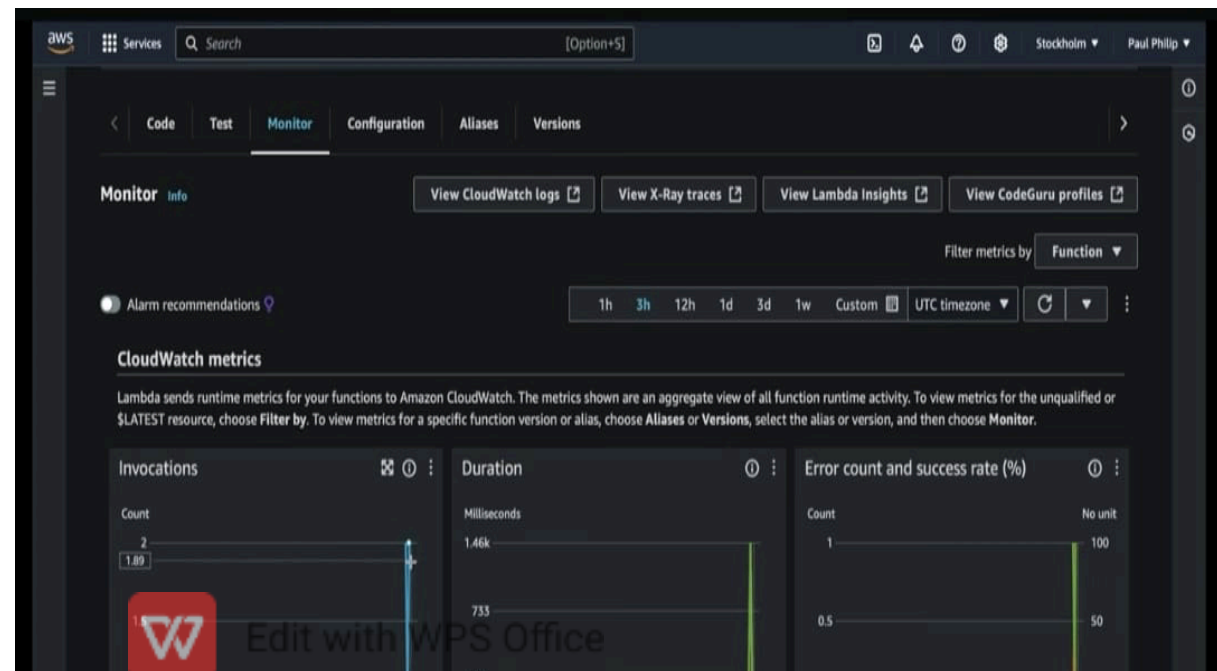
# Step 6 - Trigger Setup (Optional)

- Add Trigger (e.g., S3, API Gateway)
- - Go to the Configuration > Triggers
- - Click Add Trigger
- - Choose a service and configure details



# Step 7 - Monitor with CloudWatch

- Logs are auto-sent to CloudWatch
- - Go to Monitor tab
- - Or open CloudWatch > Logs
- - View function logs and metrics



# Summary

- - Created Lambda function
- - Deployed simple code
- - Tested and viewed logs
- - (Optional) Set up triggers



# Next Steps

- Try real use cases:
  - - Integrate with API Gateway
  - - Connect to DynamoDB or S3
  - - Add environment variables, layers

