The whole exercise is written in Terraform, excluding a Key-pair created for the EC2 instance in advance for convenience.

Resources created (documented for deletion purposes at the end):

* VPC: “ori-vpc”
* Public subnet: “ori-subnet-1”
* Private subnet: “ori-subnet-2”
* Internet Gateway for the public subnet: “ori-igw”
* Route Table for the public subnet: “ori-rt”
* NAT Gateway on the public subnet: “ori-ngw”
* Route Table for the private subnet: “ori-rt2”
* EFS file system: "ori-efs"
* Security group for the efs mount targets: "allow\_access\_to\_efs"
* EC2 Instance: "ori-instance"
* EC2 Instance security group: "ori\_instance"
* Lambda function: "ori-lambda"
* Customized IAM Policy for the Lambda function: "ori-lambda-policy"
* IAM Role for the Lambda function: "lambda\_role\_ori"
* Lambda function security group: "ori lambda security group"

Log of a successful Lambda function execution:



Validation of the efs from within the EC2 instance:

