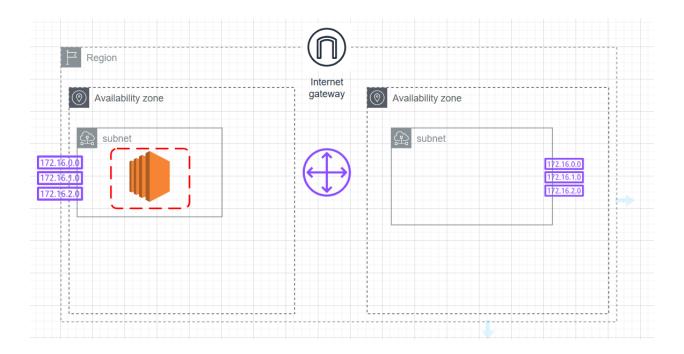
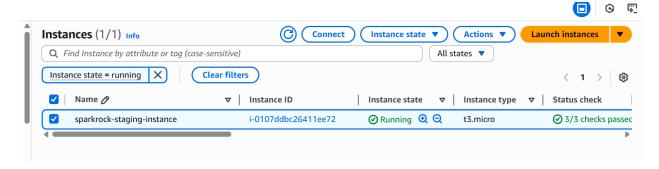
# Application images:

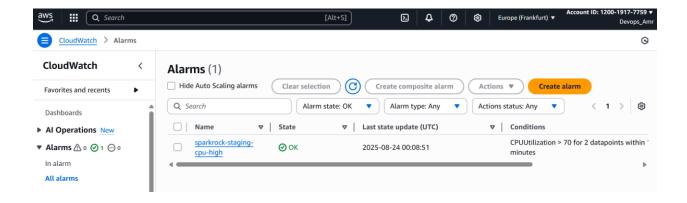
Simple architecture but for the best architecture we should use public and private subnet with vpn server and load balancer but this architecture for the task only



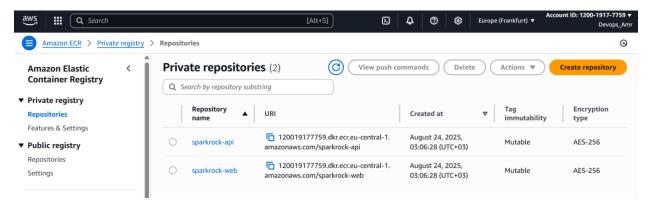
Running instance after run terraform code:



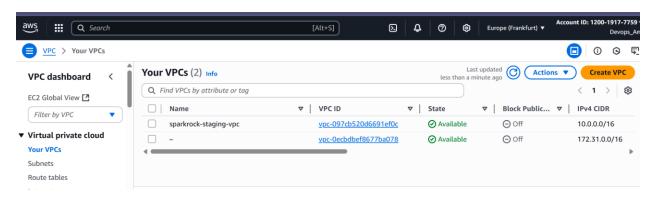
Cloudwatch alarm



### ECR Registry:



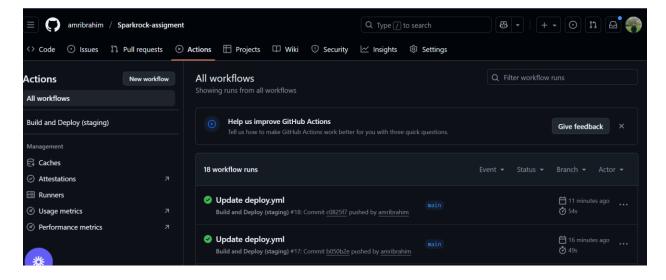
#### VPC:



Terraform code after running:

```
aws_instance.app_instance: Creating...
aws_route_table_association.public_b: Creating...
aws_route_table_association.public_a: Creation complete after 0s [id=rtbassoc-06a499fa4ce2c15ef]
aws_route_table_association.public_b: Creation complete after 0s [id=rtbassoc-0148c830c92e790f1]
aws_instance.app_instance: Still creating... [10s elapsed]
aws_instance.app_instance: Creation complete after 13s [id=i-043ee90cf68dd77d9]
aws_cloudwatch_metric_alarm.cpu_high: Creating...
aws_cloudwatch_metric_alarm.cpu_high: Creation complete after 0s [id=sparkrock-staging-cpu-high]
Apply complete! Resources: 21 added, 0 changed, 0 destroyed.
Outputs:
application_direct_url = "http://3.127.221.235"
application_http_url = "http://3.127.221.235:8080"
application_https_url = "https://3.127.221.235"
ecr_api_repo_url = "120019177759.dkr.ecr.eu-central-1.amazonaws.com/sparkrock-api"
ecr_web_repo_url = "120019177759.dkr.ecr.eu-central-1.amazonaws.com/sparkrock-web"
instance_public_ip = "3.127.221.235"
amribrahim@LAPTOP-3KQROCM8:~/sparkrock-assignment/infrastructure$
```

## Github action pipeline:



APP:

# Sparkrock Dashboard (Demo Frontend)

This is a tiny static front-end served via Nginx.



Click the button to call /api/hello