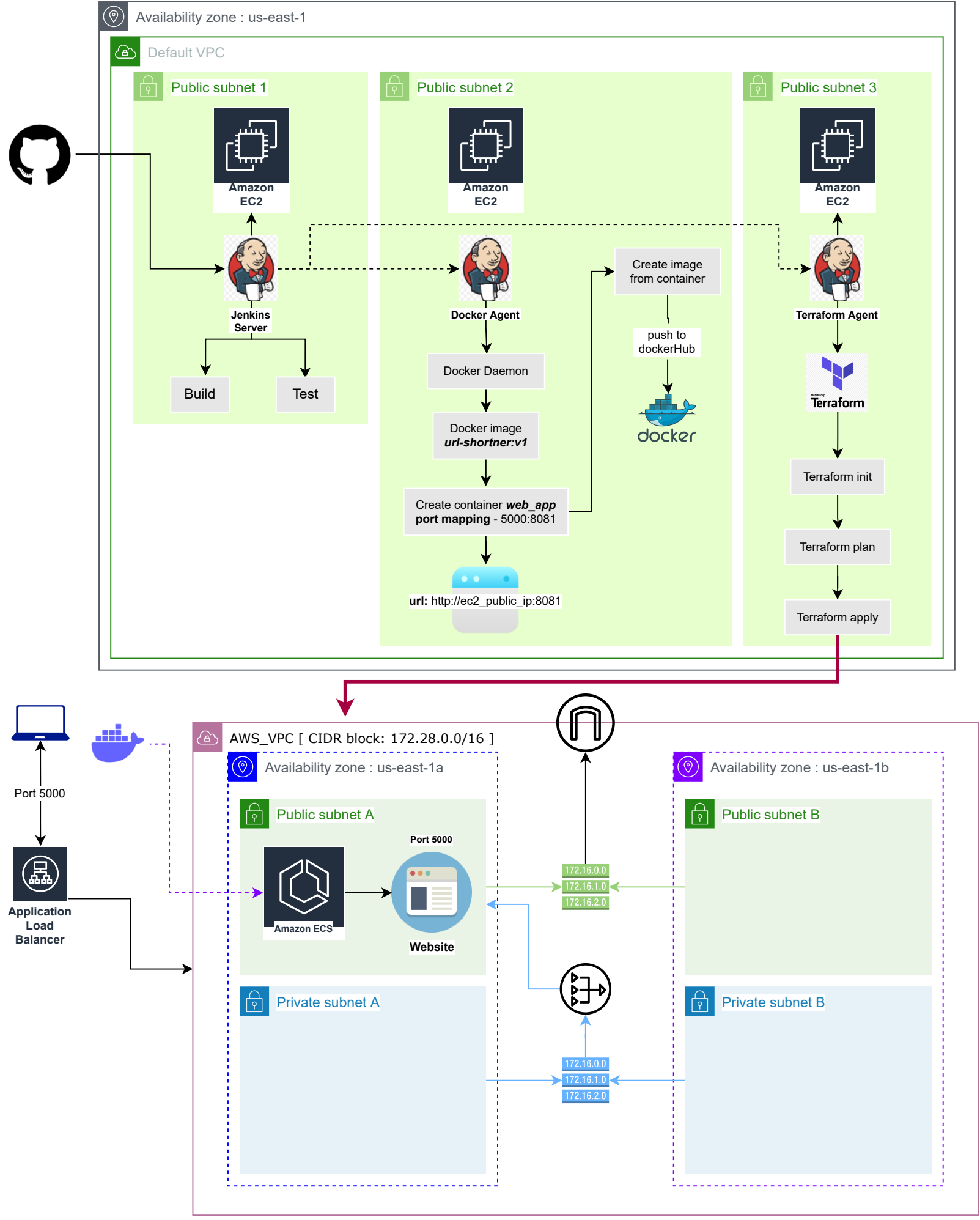
Availability zone : us-east-1
Default VPC
Public subnet 1
Amazon EC2
Jenkins Server
Build
Test
Public subnet 2
Amazon EC2
Docker Agent
Docker Daemon
Docker image
url-shortner:v1
Create container web_app
port mapping - 5000:8081
url: http://ec2_public_ip:8081
Create image from container
push to dockerHub
docker
Public subnet 3
Amazon EC2
Terraform Agent
Terraform
Terraform init
Terraform plan
Terraform apply
Port 5000
Application Load Balancer
AWS_VPC [CIDR block: 172.28.0.0/16]
Availability zone : us-east-1a
Public subnet A
Port 5000
Amazon ECS
Website
Private subnet A
172.16.0.0
172.16.1.0
172.16.2.0
Availability zone : us-east-1b
Public subnet B
Private subnet B
172.16.0.0
172.16.1.0
172.16.2.0