**Activity 5**

3. Prepare a PDF report containing the following information

1. Content of your terraform file.

terraform {

required\_providers {

docker = {

source = "kreuzwerker/docker"

version = "~> 2.17"

}

}

}

provider "docker" {

host = "unix:///var/run/docker.sock"

}

resource "docker\_network" "todo\_net" {

name = "todo\_network"

}

resource "docker\_image" "redis\_image" {

name = "redis:latest"

keep\_locally = false

}

resource "docker\_container" "redis" {

name = "redis"

image = docker\_image.redis\_image.name

networks\_advanced {

name = docker\_network.todo\_net.name

}

ports {

internal = 6379

external = 6379

}

}

resource "docker\_image" "todo\_image" {

name = "natawut/todo-service:release-2.1"

keep\_locally = false

}

resource "docker\_container" "todo" {

name = "todo-service"

image = docker\_image.todo\_image.name

networks\_advanced {

name = docker\_network.todo\_net.name

}

ports {

internal = 8000

external = 8000

}

env = [

"REDIS\_HOST=redis",

"REDIS\_PORT=6379"

]

depends\_on = [

docker\_container.redis

]

}

1. Use Screenshot of running terraform in each step

A screenshot of a computer program

AI-generated content may be incorrect.

terraform init

A screenshot of a computer

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terraform plan

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terraform plan result

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terraform apply

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terraform apply result

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docker ps

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curl result