ICT & Infra S3 S/NO week 3: AWS VPC introduction

Date: Feb 2022
Version 2.0

Class:

Student numbers:

Student names:

Introduction

NO: In this exercise you will learn to create initial VPC design, configure basic VPC components.

How to deliver your assignments?

Fill in this document with required information. Answer questions and upload the document to Canvas at most one week after the assignment is given.

Assignment: Make initial VPC design and configure basic VPC components

Difficulty: ★★☆☆☆. Estimated time: 45-60 minutes.

Brainstorm with your group members about your VPC design and basic VPC components for your case-study:

- How many subnets, what is their functional use?

  4 subnets, 2 private and 2 public. There is 2 of each in different availability zones for redundancy

- Do you plan to support multiple regions?

  No, all subnets are in Frankfurt. We plan to in the future for more redundancy

- What are your considerations for high-availability VPC design?

  We plan on supporting multiple regions

- What is the mapping of your subnets to availability zones?

  We have 2 public and 2 private subnets, we are currently only using 1

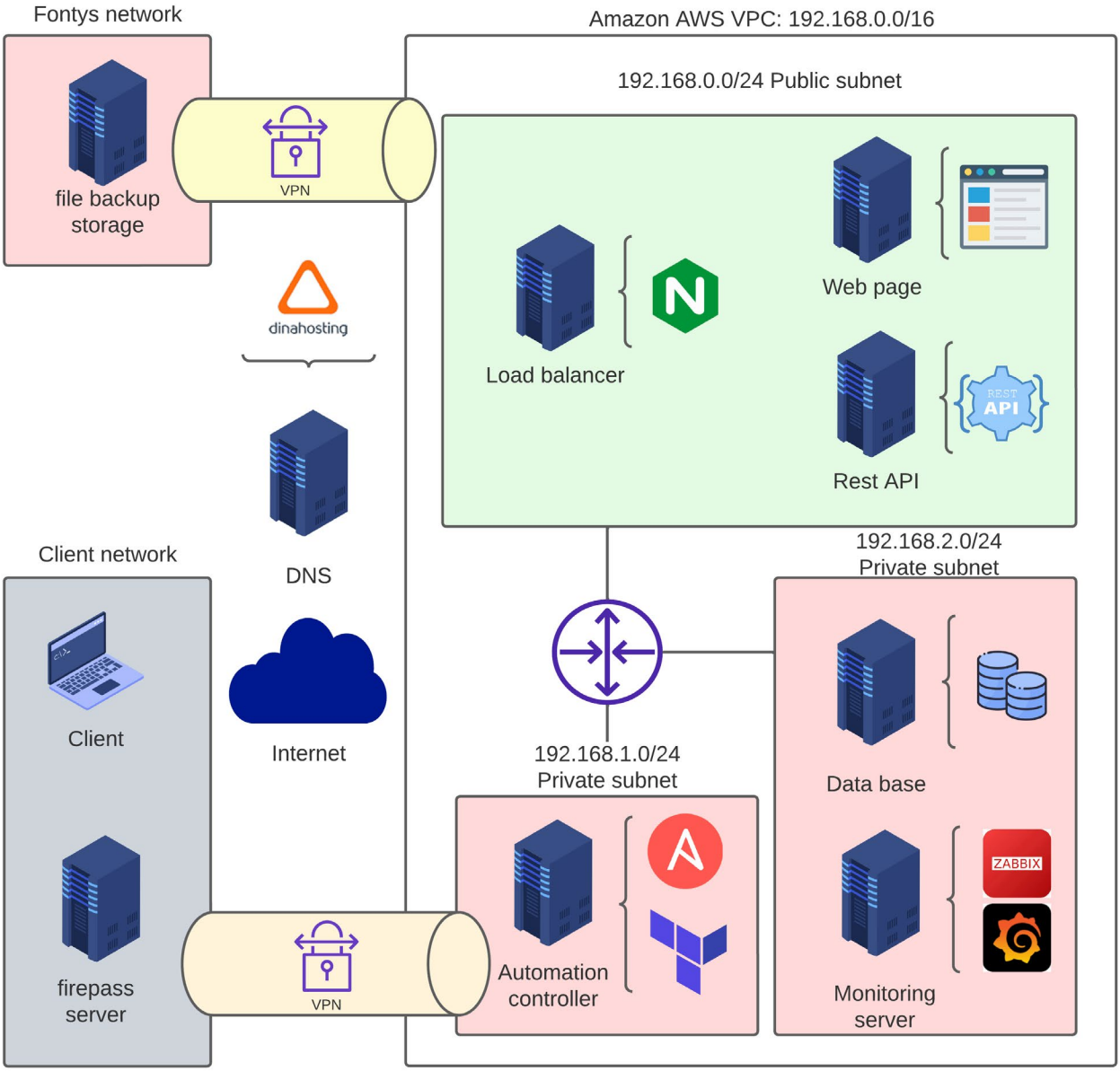
- Are you going to use endpoints? What kind of? What for?

  We currently have plans to implement AWS endpoints as we are using ngnix proxy manager

- Do you need to deploy your own endpoint service(s) with a load balancer?

  We deployed a load balancer using ngnix

Make configurations in AWS of what is possible and draw a component diagram.



Provide screenshots and descriptions of the steps above