Rodrigo Brasil 10/2023

1. **How can one host within a VPC any services that need to be public?**
   1. It can be done by creating the VPC, dividing it into subnets, creating a gateway, configuring appropriate security groups, creating EC2 instance, assigning a public IP to the EC2, check if the routing tables have a route to the gateway, configure rules for the security groups and thats it.
2. **What are examples of services that would live in the publicly-accessible part of the VPC?** 
   1. Some examples are web servers, VPN servers, authentication services, game servers and more.
   2. **The privately-accessible part?**
      1. Some examples for privately-accessible parts are application servers, data servers, cache servers, internal API’s, Development and staging and more.
3. **What are the trade-offs of using a VPC vs traditional infrastructure?**
   1. Some trade offs are dependency of a cloud provider which can limit flexibility. Low network latency, cost which can be high depending on the amount of data and security, if badly configured can have vulnerabilities.