

Part 1

1. What are 3 common job roles that combine security and cloud skills? [Cloud pen tester, cloud architect, and DevSecOps](#)
2. What are the 3 biggest cloud provider platforms? [Aws, Azure, and Google Cloud](#)
3. What are the 6 most common cloud services (and their acronyms)? [1. Infrastructure as a Service \(IaaS\) 2. Platform as a Service \(PaaS\), 3. Software as a Service \(SaaS\), 4. Data as a Service/Database as a Service \(DaaS/DBaaS\), 5. Communications as a Service \(CaaS\), 6. Anything as a Service \(XaaS\)](#)
4. What is the difference between a virtual network and a physical network? [A Physical network uses actual hardware equipment to create a network. A virtual network uses the same devices but all of the equipment is software.](#)
5. What is the point of setting your first firewall rule to block *all* traffic? [To help prevent the network from malware or limit what an attacker can do if they have compromised a system.](#)
6. What is the difference between physical computing components (CPU, RAM, HDD/SSD) and virtual computing components? [Physical components are actual hardware devices and virtual components are software devices.](#)
7. What is the purpose of using an encrypted ssh key to connect to a machine? [It allows secure sign-ins over unsecured connections and it makes the machine less vulnerable than using passwords by avoiding brute-force attacks.](#)
8. What is the difference between a container and a virtual machine? [A container is smaller than a VM which means they can be downloaded and distributed more easily or destroyed and redeployed whenever needed.](#)
9. What is a provisioner? Provide 3 examples of common provisioning software. [Provisioners are tools that configure VM's automatically instead of manually configuring files. Common provisioning software include Ansible, Puppet, and Chef.](#)
10. What is meant by Infrastructure as Code? [Infrastructure as a Code is a concept of defining all equipment and network with a code.](#)
11. What is Continuous Integration/Continuous Deployment? [Continuous Integration is where code changes from multiple contributors are combined into a single software project. Continuous Deployment is where code is tested in short cycles with a high](#)

degree of automation.

12. What is a VPN and when should you use one? A VPN is a virtual private network and is used to create a direct connection between a local network and a remote network.

13. What is the purpose of a load balancer? A load balancer distributes incoming traffic to healthy machine instances.

14. What is a resource group in Azure? It is a logical grouping of all resources being used for a project and allows engineers to sort related resources into different groups.

15. What is Region in Azure? In Azure, a region is a set of data centers deployed within certain latency perimeters and connected through low-latency networks.

Part 2

https://drive.google.com/file/d/1QzF556gmAJ_2DXM0l8pLhGL3cVrZB7QN/view?usp=sharing



