Please note, you can share your solution for this test via GitHub, S3 or via email. You are also welcome to answer written text questions in the boxes provided below.

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| Question 1: Design a golden master AMI build work-flow identifying the key stages, and suggest technologies which might be used to implement. Use of AWS native services is preferred. | We have 2 options for golden image creation.   1. Using AWS Native service “EC2 Image Builder” 2. Golden image with Qualys agent embedded in it. |
| Question 2: Currently connectivity between AWS accounts and on premise networks are provided via peering and site-to-site vpn’s. Design a network topology that will allow scalable connectivity both across accounts and to on premise networks, and discuss:  - Network migration strategies.  - Security considerations and provisions. |  |
| Question 3: Design an enterprise IAM solution to provide access to users, Applications, and services across the organization while ensuring controls are in place to ensure restrictions can be implemented on a least privileged requirement. |  |
| Question 4: I have deployed a service in VPC B and am invoking an API call to the service from an instance inside VPC A. The API call fails. How do I troubleshoot? |  |
| Question 5 : A CMK key I have created and used to encrypt contents of my S3 bucket is deleted by mistake, how do I recover the contents or key ? |  |
| Question 6: Please confirm your salary expectations (inclusive of superannuation) for this role.  Please also confirm if you are an Australian citizen or permanent resident, and if not, what working rights you currently have? |  |