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Exam Professional Cloud Security Engineer All Questions

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EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 126 DISCUSSION

Actual exam question from Google's Professional Cloud Security Engineer

Question #: 126

Topic #: 1

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Which type of load balancer should you use to maintain client IP by default while using the standard network tier?

- A. SSL Proxy
- B. TCP Proxy
- C. Internal TCP/UDP
- D. TCP/UDP Network

[Show Suggested Answer](#)

by [Tabayashi](#) at April 29, 2022, 3:27 a.m.

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[mikesp](#) [Highly Voted](#) 2 years, 1 month ago

Selected Answer: D

Internal load balancer (C) is also a non-proxied load balancer but it is supported only in premium-tier networks.
<https://cloud.google.com/load-balancing/docs/load-balancing-overview>

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- 📄 👤 **desertlotus1211** Most Recent 11 months ago
Answer is D: <https://cloud.google.com/network-tiers/docs/overview#:~:text=Premium%20Tier%20enables%20global%20load,Standard%20Tier%20regional%20IP%20address>.
- Order of elimination : TCP and SSL proxy is with Premium Tier. Can't be Internal TCP/UDP as Standard Tier is across the Internet. So D is correct
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Selected Answer: D
D. TCP/UDP Network
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Selected Answer: D
D is the answer.

https://cloud.google.com/load-balancing/docs/load-balancing-overview#choosing_a_load_balancer
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- 📄 👤 **piyush_1982** 1 year, 12 months ago
Selected Answer: D
Definitely D
https://cloud.google.com/load-balancing/docs/load-balancing-overview#backend_region_and_network
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TCP Proxy Load Balancing terminates TCP connections from the client and creates new connections to the backends. By default, the original client IP address and port information is not preserved.
Answer is D
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Yes, D is right
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Selected Answer: D
Ans: D (though it should have been "External TCP/UDP Network load balancers")
Can't be (C), as they are not supported on standard tier:
<https://cloud.google.com/load-balancing/docs/load-balancing-overview>
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Answer is (C).

Use Internal TCP/UDP Load Balancing in the following circumstances:
You need to forward the original packets unproxied. For example, if you need the client source IP address to be preserved.
https://cloud.google.com/load-balancing/docs/internal#use_cases
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I disagree with you, both C and D can keep the Client IP, however only TCP/UDP Network is for standard network.

<https://cloud.google.com/load-balancing/docs/network>
<https://cloud.google.com/load-balancing/docs/load-balancing-overview>
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