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## Exam Professional Cloud Security Engineer All Questions

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### 📄 EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 119 DISCUSSION

Actual exam question from Google's Professional Cloud Security Engineer

Question #: 119

Topic #: 1

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You are a member of your company's security team. You have been asked to reduce your Linux bastion host external attack surface by removing all public IP addresses. Site Reliability Engineers (SREs) require access to the bastion host from public locations so they can access the internal VPC while off-site. How should you enable this access?

- A. Implement Cloud VPN for the region where the bastion host lives.
- B. Implement OS Login with 2-step verification for the bastion host.
- C. Implement Identity-Aware Proxy TCP forwarding for the bastion host.
- D. Implement Google Cloud Armor in front of the bastion host.

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by [mT3](#) at May 22, 2022, 11:42 a.m.

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

**Selected Answer: C**

The answer is clear in this case.

👍 ↩ 🚩 upvoted 6 times

🗄️ 👤 **Xoxoo** Most Recent 10 months, 2 weeks ago

**Selected Answer: C**

To enable access to the bastion host from public locations while reducing the Linux bastion host external attack surface by removing all public IP addresses, you should implement Identity-Aware Proxy TCP forwarding for the bastion host. This will allow Site Reliability Engineers (SREs) to access the internal VPC while off-site.

Identity-Aware Proxy TCP forwarding allows you to securely access TCP-based applications such as SSH and RDP without exposing them to the internet. It provides a secure way to access your applications by verifying user identity and context of the request before granting access. By implementing Identity-Aware Proxy TCP forwarding for the bastion host, you can ensure that only authorized users can access the internal VPC while off-site, reducing the risk of unauthorized access and data breaches.

👍 ↩ 🚩 upvoted 3 times

🗄️ 👤 **bruh\_1** 1 year, 3 months ago

C is correct

👍 ↩ 🚩 upvoted 1 times

🗄️ 👤 **AzureDP900** 1 year, 8 months ago

C. Implement Identity-Aware Proxy TCP forwarding for the bastion host.

👍 ↩ 🚩 upvoted 2 times

🗄️ 👤 **mT3** 2 years, 2 months ago

**Selected Answer: C**

Correct.

Ref.[https://cloud.google.com/architecture/building-internet-connectivity-for-private-vms#configuring\\_iap\\_tunnels\\_for\\_interacting\\_with\\_instances](https://cloud.google.com/architecture/building-internet-connectivity-for-private-vms#configuring_iap_tunnels_for_interacting_with_instances)

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