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Exam Professional Cloud Security Engineer All Questions

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📄 **EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 109 DISCUSSION**

Actual exam question from Google's Professional Cloud Security Engineer

Question #: 109

Topic #: 1

[All Professional Cloud Security Engineer Questions]

Your organization has had a few recent DDoS attacks. You need to authenticate responses to domain name lookups. Which Google Cloud service should you use?

> A. Cloud DNS with DNSSEC
>
> B. Cloud NAT
>
> C. HTTP(S) Load Balancing
>
> D. Google Cloud Armor

Show Suggested Answer

by 👤 **Tabayashi** at *April 29, 2022, 3:13 a.m.*

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⊟ 👤 **Tabayashi** Highly Voted 👍 2 years, 3 months ago

Answer is (A).

The Domain Name System Security Extensions (DNSSEC) is a feature of the Domain Name System (DNS) that

authenticates responses to domain name lookups. It does not provide privacy protections for those lookups, but prevents attackers from manipulating or poisoning the responses to DNS requests.
https://cloud.google.com/dns/docs/dnssec

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

Agreed, A is right

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⊟ 👤 **Xoxoo** `Most Recent ⊙` 10 months, 2 weeks ago

`Selected Answer: A`

To authenticate responses to domain name lookups and protect your organization from DDoS attacks, you can use Cloud DNS with DNSSEC. DNS Security Extensions (DNSSEC) is a feature of the Domain Name System (DNS) that authenticates responses to domain name lookups and prevents attackers from manipulating or poisoning the responses to DNS requests. Cloud DNS supports DNSSEC and automatically manages the creation and rotation of DNSSEC keys (DNSKEY records) and the signing of zone data with resource record digital signature (RRSIG) records. By enabling DNSSEC in Cloud DNS, you can protect your domains from spoofing and poisoning attacks.

Keyword here is domain name lookup so it must be A.

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⊟ 👤 **risc** 1 year, 9 months ago

`Selected Answer: A`

A, as explained by Tabayashi

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⊟ 👤 **AwesomeGCP** 1 year, 9 months ago

`Selected Answer: A`

A. Cloud DNS with DNSSEC

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⊟ 👤 **zellck** 1 year, 10 months ago

`Selected Answer: A`

A is the answer.

👍 ↩ ⚑ upvoted 2 times