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📄 EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 251 DISCUSSION

Actual exam question from Google's Professional Cloud Security Engineer
Question #: 251
Topic #: 1
[All Professional Cloud Security Engineer Questions]

Your organization has a centralized identity provider that is used to manage human and machine access. You want to leverage this existing identity management system to enable on-premises applications to access Google Cloud without hard coded credentials. What should you do?

A. Enable Secure Web Proxy. Create a proxy subnet for each region that Secure Web Proxy will be deployed. Deploy an SSL certificate to Certificate Manager. Create a Secure Web Proxy policy and rules that allow access to Google Cloud services.

B. Enable Workforce Identity Federation. Create a workforce identity pool and specify the on-premises identity provider as a workforce identity pool provider. Create an attribute mapping to map the on-premises identity provider token to a Google STS token. Create an IAM binding that binds the required role(s) to the external identity by specifying the project ID, workload identity pool, and attribute that should be matched.

C. Enable Identity-Aware Proxy (IAP). Configure IAP by specifying the groups and service accounts that should have access to the application. Grant these identities the IAP-secured web app user role.

D. Enable Workload Identity Federation. Create a workload identity pool and specify the on-premises identity provider as a workload identity pool provider. Create an attribute mapping to map the on-premises identity provider token to a Google STS token. Create a service account with the necessary permissions for the workload. Grant the external identity the Workload Identity user role on the service account.

Show Suggested Answer

by 👤 **yokoyan** at *Sept. 6, 2024, 1:22 a.m.*

Comments

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⊟ 👤 **Art** `Highly Voted 👍` 9 months, 2 weeks ago

`Selected Answer: D`

It's D
"You want to leverage this existing identity management system to enable on-premises applications to access Google Cloud without hard coded credentials"
Workload Identity Federation is used for applications when Workforce Identity Federation is used for humans

👍 ↩ 🏳 upvoted 5 times

  ⊟ 👤 **MoAk** 8 months ago

  This is the best explanation if anyone still not sure.

  👍 ↩ 🏳 upvoted 1 times

⊟ 👤 **nah99** `Most Recent ⊙` 8 months ago

`Selected Answer: D`

The requirement of the question is for applications, not persons. So D.

👍 ↩ 🏳 upvoted 1 times

⊟ 👤 **eychdee** 9 months, 1 week ago

its B. keyword is workforce and not workload

👍 ↩ 🏳 upvoted 1 times

⊟ 👤 **d0fa7d5** 10 months, 3 weeks ago

`Selected Answer: D`

"Since it mentions 'on-premises applications,' I believe the correct answer is D, not B."

👍 ↩ 🏳 upvoted 4 times

⊟ 👤 **1e22522** 10 months, 3 weeks ago

`Selected Answer: D`

Im pretty sure its D

👍 ↩ 🏳 upvoted 1 times

  ⊟ 👤 **1e22522** 10 months, 3 weeks ago

  I am wrong its B

  👍 ↩ 🏳 upvoted 1 times

⊟ 👤 **yokoyan** 10 months, 3 weeks ago

`Selected Answer: B`

I think it's B.

👍 ↩ 🏳 upvoted 2 times

  ⊟ 👤 **KLei** 8 months, 2 weeks ago

  Workload Identity Federation allows applications running outside of Google Cloud (like on-premises systems) to authenticate to Google Cloud services using tokens from an existing identity provider without needing to manage or deploy long-lived credentials.

  👍 ↩ 🏳 upvoted 2 times

    ⊟ 👤 **yokoyan** 8 months, 1 week ago

    Workforce Identity : https://cloud.google.com/iam/docs/workforce-identity-federation#what_is_workforce_identity_federation
    Workload Identity : https://cloud.google.com/iam/docs/workload-identity-federation
    Yes, in this question we want to grant access to the application, so D might be the correct answer! Thanks!

    👍 ↩ 🏳 upvoted 1 times

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