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## Exam Professional Cloud Security Engineer All Questions

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### EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 243 DISCUSSION

Actual exam question from Google's Professional Cloud Security Engineer

Question #: 243

Topic #: 1

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An administrative application is running on a virtual machine (VM) in a managed group at port 5601 inside a Virtual Private Cloud (VPC) instance without access to the internet currently. You want to expose the web interface at port 5601 to users and enforce authentication and authorization Google credentials.

What should you do?

- A. Configure the bastion host with OS Login enabled and allow connection to port 5601 at VPC firewall. Log in to the bastion host from the Google Cloud console by using SSH-in-browser and then to the web application.
- B. Modify the VPC routing with the default route point to the default internet gateway. Modify the VPC Firewall rule to allow access from the internet 0.0.0.0/0 to port 5601 on the application instance.
- C. Configure Secure Shell Access (SSH) bastion host in a public network, and allow only the bastion host to connect to the application on port 5601. Use a bastion host as a jump host to connect to the application.
- D. Configure an HTTP Load Balancing instance that points to the managed group with Identity-Aware Proxy (IAP) protection with Google credentials. Modify the VPC firewall to allow access from IAP network range.

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by [MisterHairy](#) at Nov. 21, 2023, 11:12 p.m.

## Comments

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  **glb2** 10 months, 1 week ago

**Selected Answer: D**

D. Configuring an HTTP Load Balancing instance with Identity-Aware Proxy (IAP) protection ensures that access to the web interface at port 5601 is authenticated and authorized using Google credentials. IAP verifies user identity before allowing access to the backend service.

   upvoted 2 times

  **PhuocT** 11 months, 1 week ago

**Selected Answer: D**

D is the answer

   upvoted 1 times

  **mjcts** 11 months, 3 weeks ago

**Selected Answer: B**

The only viable option

   upvoted 1 times

  **PhuocT** 11 months, 1 week ago

How B could enforce authentication and authorization Google credentials?

   upvoted 1 times

  **MisterHairy** 1 year, 2 months ago

**Selected Answer: D**

The correct answer is D. Configure an HTTP Load Balancing instance that points to the managed group with Identity-Aware Proxy (IAP) protection with Google credentials. Modify the VPC firewall to allow access from IAP network range.

This approach allows you to expose the web interface securely by using Identity-Aware Proxy (IAP), which provides authentication and authorization with Google credentials. The HTTP Load Balancer can distribute traffic to the VMs in the managed group, and the VPC firewall rule ensures that access is allowed from the IAP network range.

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