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EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 314 DISCUSSION

Actual exam question from Google's Professional Data Engineer

Question #: 314

Topic #: 1

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You are configuring networking for a Dataflow job. The data pipeline uses custom container images with the libraries that are required for the transformation logic preinstalled. The data pipeline reads the data from Cloud Storage and writes the data to BigQuery. You need to ensure cost-effective and secure communication between the pipeline and Google APIs and services. What should you do?

- A. Disable external IP addresses from worker VMs and enable Private Google Access.
- B. Leave external IP addresses assigned to worker VMs while enforcing firewall rules.
- C. Disable external IP addresses and establish a Private Service Connect endpoint IP address.
- D. Enable Cloud NAT to provide outbound internet connectivity while enforcing firewall rules.

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by [m_a_p_s](#) at Dec. 24, 2024, 8:29 p.m.

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Pime13 3 months, 4 weeks ago

Selected Answer: A

A. Disable external IP addresses from worker VMs and enable Private Google Access.

This approach ensures that your worker VMs can access Google APIs and services securely without using external IP addresses, which reduces costs and enhances security by keeping the traffic within Google's network

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🗂️ 👤 **m_a_p_s** 4 months, 1 week ago

Selected Answer: A

While option C is technically implementable, option A is a straightforward and a simpler solution.

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