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**QUESTION 1**

You are required to create an integration from your Appian cloud instance to an application hosted within a customer's self-managed environment.

The customer's IT team has provided you with a REST API endpoint to test with; `https://InternalNetworkVapi/api/ping`

Which recommendation should you make to progress this integration?

- A. Expose the API as a SOAP-based web service.
- B. Deploy the API / service into Appian Cloud
- C. Add Appian Cloud's IP address ranges to the customer network's allowed IP listing
- D. Set up a VPN tunnel

Correct Answer: D

To create an integration from your Appian cloud instance to an application hosted within a customer's self-managed environment, you need to ensure that there is a secure and reliable connection between the two systems. One way to do this is to set up a VPN tunnel, which is a virtual private network that encrypts and transports data over the internet. A VPN tunnel allows you to access the customer's internal network and API endpoint from your Appian cloud instance, without exposing them to the public internet. This way, you can ensure the security and privacy of the data that is exchanged between the two systems. Verified References: [Appian Cloud VPN], [Appian Integration Guide]

QUESTION 2

You are the lead developer for an Appian project, in a backlog refinement meeting you are presented with the following user story.

As a restaurant customer. I need to be able to place my food order online to avoid waiting in line for take out.'

Which two functional acceptance criteria would you consider 'good'?

- A. The user will click Save, and the order information will be saved in the ORDER table and have audit history
- B. The user will receive an email notification when their order is completed.
- C. The system must handle up to 500 unique orders per day
- D. The user cannot submit the form without filling out all required fields.

Correct Answer: BD

Functional acceptance criteria are the conditions that a user story must satisfy to be accepted by the user or stakeholder. They should be specific, measurable, achievable, relevant, and testable. In this case, two functional acceptance criteria that would be considered 'good' are: The user will receive an email notification when their order is completed. This is a specific, measurable, achievable, relevant, and testable criterion that describes a feature that the user needs to be informed of their order status. The user cannot submit the form without filling out all required fields. This is a specific, measurable, achievable, relevant, and testable criterion that describes a feature that the user needs to provide valid and complete information for their order. The other options are not as good. Option A, the user will click Save, and the order information will be saved in the ORDER table and have audit history, is not a functional acceptance



criterion, but rather a technical implementation detail that is not relevant or visible to the user. Option C, the system must handle up to 500 unique orders per day, is not a functional acceptance criterion, but rather a non-functional requirement that describes a performance or quality attribute of the system.

QUESTION 3

You are on a protect with an application that has been deployed to Production and is live with users. The client wishes to increase the number of active users.

You need to conduct load testing to ensure Production can handle the increased usage

Review the specs for four environments in the following image.

Cloud Environment	Server Name	Purpose	Disk (GB)	Memory (GB)	vCPUs
acmedev.appiancloud.com	acmedev	Non-production	30	16	2
acmetest.appiancloud.com	acmetest	Non-production	75	32	4
acmeuat.appiancloud.com	acmeuat	Non-production	75	64	8
acme.appiancloud.com	acme	Production	75	32	4

Which environment should you use for load testing?

- A. acmeuat
- B. acmedev
- C. acme
- D. acmetest

Correct Answer: C

The best environment to use for load testing is acme, which is the production environment. This is because load testing should be performed on an environment that is as close as possible to the actual production environment, in terms of hardware, software, configuration, data, and user behavior. This way, the results of the load testing will be more realistic and reliable, and can help to identify and resolve any performance issues or bottlenecks before increasing the number of active users. Verified References: Appian Documentation, section "Load Testing".

QUESTION 4

You are asked to design a case management system for a client in addition to storing some basic metadata about a case, one of the client's requirements is the ability for users to update a case. The client would like any user in their organization of 500 people to be able to make these updates. The users are all based in the company's headquarters, and there will be frequent cases where users are attempting to edit the same case. The client wants to ensure no information is lost when these edits occur and does not want the solution to burden their process administrators with any additional effort.

Which data locking approach should you recommend?



- A. Allow edits without locking the case GDI
- B. Use the database to implement two-level pessimistic locking.
- C. Add an @Version annotation to the case COT to manage view locking
- D. Design a process report and query to determine who opened the edit form first

Correct Answer: C

The @Version annotation is a feature of Appian that allows for optimistic locking of CDTs. Optimistic locking assumes that concurrent updates to the same data are rare and does not lock the data until it is saved. If two users try to save changes to the same data, the user who saves first will succeed, while the user who saves second will get an error message and will have to resolve the conflict manually. This approach is suitable for the client's requirement, as it allows any user to update a case without locking it, ensures no information is lost when concurrent edits occur, and does not require any additional effort from the process administrators. Verified References: [Appian Documentation], section "Optimistic Locking".

QUESTION 5

Your Appian project just went live with the following environment setup; DEV > TEST (SIT/DAT) > PROD

Your client is considering adding a support team to manage production defects and minor enhancements, while the original development team focuses on Phase 2. Your client is asking you for a new environment strategy that will have the least impact on Phase 2 development work.

Which option involves the lowest additional server cost and the least code retrofit effort?

- A. Phase 2 development work stream: DEV > TEST (SIT) > STAGE (UAT) > PROD Production support work stream DEV > TEST2 (SIT/UAT) > PROD
- B. Phase 2 development work stream: DEV > TEST (SIT) > STAGE (UAT) > PROD Production support work stream DEV2 > STAGE (SIT/UAT) > PROD
- C. Phase 2 development work stream: DEV > TEST (SIT/UAT) > PROD Production support work stream DEV > TEST2 (SIT/UAT) > PROD
- D. Phase 2 development work stream: DEV > TEST (SIT/DAT) > PROD Production support work stream. DEV2 > TEST (SIT/UAT) > PROD

Correct Answer: B

The option B involves the lowest additional server cost and the least code retrofit effort, as it only requires one additional environment (DEV2) for the production support work stream. The production support work stream can use the existing STAGE environment for testing and user acceptance testing, as it is shared with the phase 2 development work stream. This way, there is no need to create a separate TEST2 environment or to retrofit any code from TEST to STAGE or from STAGE to PROD. Verified References: [Appian Certified Lead Developer study guide], page 16, section "Environment Strategy".