

# Salesforce Arch-303

Salesforce Certified B2C Commerce Architect

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# Latest Version: 6.0

## Question: 1

A client has just pushed a new site live to Production. However during smoketesting. It's found that some customers are not seeing the correct pricing on the Product Detail Page.

What three places would the Architect begin to look for the cause of this Issue?

Choose 3 answers

- A. Check Log Center
- B. Check the Quota Status page.
- C. Check the Global Preferences to be sure the settings are correct.
- D. Check that there was not an error during replication.
- E. Check that the cache is set correctly

**Answer: C, D, E**

Explanation:

To resolve issues where some customers are not seeing the correct pricing on the Product Detail Page, the following places should be examined:

Global Preferences (C): It's critical to check the global preferences settings to ensure they align with the intended pricing strategy and configurations. This includes checking currency settings, pricing rules, and tax configurations, which can all influence the pricing displayed to customers.

Error during replication (D): If there were errors during data replication, this could lead to inconsistencies such as incorrect pricing being shown. Ensuring that data has been replicated correctly and without errors is essential, particularly when moving from staging to production environments.

Cache settings (E): Incorrect cache settings or outdated cached data can cause old or incorrect pricing to be displayed. Clearing the cache or verifying that cache invalidation rules are correctly set can resolve such issues.

These steps are critical for ensuring that the displayed pricing is accurate and consistent, providing a seamless user experience.

## Question: 2

An Architect has been asked by the Business to integrate a newpayment LINK cartridge. As part of the integration, the Architect has created four new services to access various endpoints in the integration.

How can the Architect move the new services to Production when the integration is ready for launch?

- A. The new services will be moved to Production with a Data Replication.

- B. The new services will be moved to production with a Site Import.
- C. The new services must be manually exported from staging and Imported into Production.
- D. The new services will be moved to Production with a Code Replication.

**Answer: D**

Explanation:

For deploying new services related to a payment LINK cartridge to Production, the correct method is through Code Replication (D). This approach ensures that all new code changes, including the integration services, are consistently applied across different environments. Code replication covers deploying all changes made in code, scripts, and service configurations from a staging or development environment to the production environment. This process ensures that all new functionalities are tested in a controlled environment before being moved to production, reducing the risk of errors affecting the live site.

### Question: 3

The Client is Crowing and decided to migrate its ecommerce website to B2C Commerce. The Client provided the Architect with the f metrics for its existing website over the past 12 months and forecasted into the next year:

<b>Average visits per hour</b>	<b>500</b>
<b>Peak visits per hour</b>	<b>1000</b>
<b>Average page views per hour</b>	<b>10000</b>
<b>Peak page views per hour</b>	<b>20000</b>
<b>Average orders per hour</b>	<b>100</b>
<b>Peak orders per hour</b>	<b>250</b>
<b>Average items per order</b>	<b>2.1</b>
<b>Average order value</b>	<b>300 USD</b>
<b>Expected growth percentage</b>	<b>300</b>

Noting these historical metrics and the forecasted growth of 300%, which load test targets meet best practices for testing the new B2C Commerce site?

- A. 15000 visits per hour, 300000 page views per hour, and 3750 orders per hour

- B. 150000 visits per hour, 3000000 page views per hour, and 37500 orders per hour
- C. 15000 visits per hour, 300000 page views per hour, and 3750 orders per hour
- D. 3000 visits per hour, 60000 page views per hour, and 750 orders per hour

**Answer: A**

Explanation:

Considering the existing metrics and forecasted 300% growth, the appropriate load testing targets for the new B2C Commerce site would be:

15000 visits per hour: This figure is calculated by applying the expected growth to the peak visits per hour (1000 visits), resulting in 4000 visits. The choice of 15000 provides a higher buffer to accommodate unforeseen spikes in traffic.

300000 page views per hour: Similarly, this is scaled up from the peak page views per hour (20000) considering the growth, ensuring the site can handle high demand and interactions.

3750 orders per hour: This target is based on the peak orders per hour (250) with the growth applied, allowing testing of the system's ability to handle transactions under significant load.

These targets ensure that the system is robust enough to handle increased traffic and transactions without performance degradation, crucial for maintaining customer satisfaction and operational stability.

## Question: 4

During code review, the Architect found that there is a service call on every visit of the product detail page (PDP).

What best practices should the Architect ensure are followed for the service configuration?

Choose 2 answers

- A. Circuit breaker is enabled.
- B. Service timeout is set.
- C. Service mock up call is configured.
- D. Service logging is disabled.

**Answer: C**

Explanation:

For logging practices in a complex LINK cartridge integration, the recommendation is:

Get logger for cartridge-specific category (C): This practice allows for more precise and relevant logging by focusing on the specific cartridge, making troubleshooting more efficient.

Report debug level message for the back-end asynchronous communication: This ensures that all detailed interactions are logged, providing valuable data for diagnosing issues.

Report all errors at error level message: This categorizes all critical issues under error logs, which is essential for quick identification and resolution of problems affecting the system's operations.

This structured logging strategy enhances the ability to monitor and troubleshoot the system effectively, especially in complex integrations where multiple components interact asynchronously.

### Question: 5

An Architect to notify by the Business that order conversion dramatically dropped a few hours after go live. Further investigation points out that customers cannot proceed to checkout anymore. The Architect is aware that a custom inventory checks with a third-party API is enforced at the beginning of checkout, and that customers are redirected to the basket page when items are no longer in stock

Which tool can clearly confirm that the problem is indeed caused by the inventory check?

- A. Sales Dashboard from Reports and Dashboards
- B. Service Status from Business Manager
- C. Pipeline Profiler from Business Manager
- D. Realtime Report from Reports and Dashboards

**Answer: C**

Explanation:

The appropriate tool to verify that the problem is indeed caused by the inventory check at the beginning of checkout is the Pipeline Profiler in Business Manager. This tool allows an architect to analyze the performance of specific code execution paths, including those involving third-party API calls. It helps identify bottlenecks and inefficiencies in the pipeline execution, particularly useful in situations where custom code like inventory checks may impact site functionality. The use of the Pipeline Profiler would enable the architect to pinpoint if the custom inventory check is causing the checkout process to fail or redirect users inappropriately.

### Question: 6

An Architect is documenting the technical design for a single B2C Commerce storefront. The Client has a business requirement to provide pricing that is customized to specific groups:

- 50 different pricing groups of customers
- 30 different pricing groups of employees
- 10 different pricing groups of vendors

Which items should the Architect include in the design in order to set applicable price books based on these requirements"

Choose 2 answers

- A. - 50 customer groups for customers- 30 customer groups for employees- 10 customer groups for vendors

- B. - One customer group and 50 subgroups for customers- One customer group and 30 subgroups for employees- One customer group and 10 subgroups for vendors
- C. - One campaign and multiple promotions for each customer group
- D. - One promotion and 50 campaigns for customers- One promotion and 30 campaigns for employees- One promotion and 10 campaigns for vendors

**Answer: A, C**

Explanation:

For handling multiple pricing groups with specific discounts or prices for different customer groups, the optimal approach involves setting up separate customer groups for customers, employees, and vendors (Answer A). This setup allows the storefront to apply specific price books to each group accurately based on their designation. Furthermore, utilizing campaigns and multiple promotions tailored to each customer group (Answer C) facilitates targeted marketing efforts and pricing strategies effectively. These practices ensure that each group receives relevant pricing adjustments and promotional offers, thereby enhancing the shopping experience and managing financial transactions efficiently within Salesforce B2C Commerce.

### Question: 7

A developer is checking for Cross Site Scripting (XSS) and found that the quick search is not escaped (allows inclusion of Javascript) in the following script:

```
<script>  
var searchPhrase = '${searchPhrase}';  
</script>
```

How would the developer resolve this issue?

- A. Replace ' with double Quote\*
- B. Use <isprint value="\${searchPhrase}\* encoding-'jshtml' />
- C. Use <isprint value='\${searchPhrase} encoding-'jsblock' />
- D. Use <toPrint value="\${searchPhrase}" />

**Answer: B**

Explanation:

To resolve the issue of Cross Site Scripting (XSS) where the quick search is not escaped, the developer should use the <isprint> tag with the 'jshtml' encoding option (Answer B). This method ensures that any JavaScript included in the search phrase is properly escaped, preventing the execution of potentially malicious scripts. The 'jshtml' encoding is specifically

designed to encode text for HTML contexts where JavaScript is embedded, providing a secure way to handle user input in Salesforce B2C Commerce.

## Question: 8

During implementation, the team found that there is a notification controller exposed for an external service that marks the order as paid when notification is received. The notification URL is sent to the service together with the payment request and contains only the URL with orderID as the parameter.

What should the Architect recommend to the team in order to prevent the unauthorized usage of the controller to mark the orders as paid?

- A. Add a customer number in the callback URL and match the customer number against the one stored on the order.
- B. Add HTTPS restriction to the controller start node.
- C. Add an order token in the callback URL and match the token against the one stored on the order.
- D. Add a session attribute and validate it on the callback.

**Answer: C**

Explanation:

To enhance the security of the notification controller exposed for marking orders as paid, the recommended approach is to add an order-specific token to the callback URL (Answer C). This token should be verified against a stored value on the order to ensure the authenticity and integrity of the payment notification. This method prevents unauthorized use of the controller, as only callbacks containing the correct, order-specific token would be allowed to mark orders as paid. This strategy is essential in maintaining secure and reliable transaction processes within Salesforce B2C Commerce.

## Question: 9

An Architect is performing an audit of production logs via Log Center and finds some potentially dangerous custom log output.

**When**

1 minute, 8 seconds ago

**Timestamp**

2018-04-11 13:00:19.409

**Severity**

INFO

**Hostname**

blade2-3.mon.demandware.net

**Domain**

Sites-NTO-Site

**Request**

STOREFRONT

**Category**

custom

**Thread**

```
PipelineCallServlet|32665673|Sites-NTO-Site|COPlaceOrder-Submit|PipelineCall|G02U-2j1CppUHELDt1bCP9tYK4eJyqKzmVQkWBbegLatTjbtG0foT8-3l2yeHjjCQXZH5QInuBQGhk8lgZYvEQ==  
{ } order: 867173; email: peter@family.guy; firstName: Peter; lastName: Griffin;  
address: 31 Spooner St; city: Quahog; state: RI; country: US;  
nameOnCard: "Peter L. Griffin"; card: 4215837137516263; type: visa; code: 387; exp: 12/2023;
```

In which two ways is this log output improper in a production environment? Choose 2 answers

- A. The log information includes the customer's card name as it appears along with the credit card number (PAN), which violates PCI.
- B. The log information includes the customer's card CV (card security code) and expiration date, which violates PCI.
- C. Information logs should not be used in a production environment
- D. The log information includes the order number and customer's email, which violates PCI.

**Answer: A, D**

**Explanation:**

In a production environment, logging sensitive customer information such as credit card details (PAN, CVV, expiration date) can lead to severe security and compliance issues, specifically violating PCI DSS (Payment Card Industry Data Security Standard) requirements. The standards strictly prohibit the storage of CVV codes and mandate that any PAN displayed must be masked. Storing such data in logs is not only a risk for data breaches but also non-compliance with these standards can lead to penalties.

Option A: Including the customer's card name along with the full credit card number in logs is a clear violation of PCI DSS requirements, which stipulate that no more than the last four digits of the card number may be displayed.

Option B: Logging the card security code (CVV) and expiration date is explicitly prohibited by PCI DSS, which requires that sensitive authentication data, including CVV, must never be stored post-authentication, even if it is encrypted.

**Question: 10**

The Client plans to deploy a new payment provider and Order Management System on its existing B2C Commerce website. They have asked an Architect to advise which environment it should use to conduct load testing of its new integrations.

Which environment should be used as the ideal environment for this kind of load test?

- A. The Development Instance of a rental Realm.
- B. The Development Instance of the existing Realm.
- C. The Production instance of the existing Realm.
- D. The Production Instance of a rental Realm.

**Answer: B**

Explanation:

For conducting load testing of new integrations with a payment provider and Order Management System, it is recommended to use the Development Instance of the existing Realm (Option B). This approach ensures that any issues found during testing do not affect the live production environment, while still allowing tests to be conducted in an environment that mirrors the production setup as closely as possible. This minimizes the risk of disruptive downtime or customer-facing errors when the integration goes live.

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