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Question 1

Question Type: MultipleChoice

With what frequency are widgets updated during a war room scenario?

Options:

- A- Near real-time
- B- Every 5 minutes
- C- Every 10 minutes
- D- Every 60 minutes

Answer:

A

Explanation:

During a war room scenario, which is a real-time troubleshooting session, widgets in AppDynamics dashboards update in near real-time. This allows teams to observe the immediate impact of changes and identify issues as they occur.

AppDynamics documentation on War Rooms:

Question 2

Question Type: MultipleChoice

A development team responsible for the front-end shopping application has asked to receive an email every time the Java container thread count exceeds 25. Which alert and response capabilities settings will provide the email?

Options:

- A-** Node Health - JMX Thread Pools (> Specific Value) + Notification Action (Send an Email)
- B-** Node Health - Thread Pools (> Specific Value) + Notification Action (Send an Email)
- C-** Node Health - Thread Pools (> Specific Value) + Notification Action (Custom Action)
- D-** Node Health - JMX Thread Pools (> Baseline) + Notification Action (Send an Email)

Answer:

B

Explanation:

In AppDynamics, you can create health rules to monitor various metrics and set up actions based on the thresholds defined for these metrics. For monitoring Java container thread counts, you can set a health rule based on Node Health - specifically on thread pools - to trigger when the thread count exceeds a specific value. The Notification Action can then be configured to send an email to the development team whenever this threshold is breached.

AppDynamics documentation on Health Rules: <https://docs.appdynamics.com/21.6/en/infrastructure-visibility/health-rules>

Question 3

Question Type: MultipleChoice

A Performance Analyst notices an increase in Business Transaction error rate that is much higher than normal alerts. The Performance Analyst can see these are related to the Health Rules defined for the Shopping Service that is monitored with AppDynamics Browser RUM. While troubleshooting the Performance Analyst wants details on which Browsers and Devices are affected. Which section of the Browser App Dashboard will provide this detail for a given time period?

Options:

- A- Usage Stats
- B- Sessions
- C- Pages & Ajax Requests
- D- Overview

Answer:

A

Explanation:

In the Browser Real User Monitoring (RUM) Dashboard, the Usage Stats section provides insights into user demographics, including the types of browsers and devices they are using. This section would help the Performance Analyst understand which browsers and devices are affected during a specific time period when there has been an increase in the Business Transaction error rate.

AppDynamics documentation on Browser RUM: <https://docs.appdynamics.com/21.6/en/end-user-monitoring/browser-monitoring/browser-real-user-monitoring>

Question 4

Question Type: MultipleChoice

What are two examples of backend calls? (Choose two.)

Options:

- A- a request coming from a browser
- B- a tier-to-tier request
- C- an asynchronous request
- D- a remote services call

Answer:

B, D

Explanation:

Backend calls in AppDynamics are the interactions that an application component has with external components or services. These can include calls to databases, remote service calls, and interactions between different tiers of an application.

A tier-to-tier request refers to any internal call that happens between different tiers (or nodes) within the same application. For example, a web tier calling an API service tier within the same application ecosystem.

A remote services call is an external call from an application to a service that resides outside of the application's environment, like a call to an external web service, REST API, or a third-party service provider.

AppDynamics documentation on Backend Detection: <https://docs.appdynamics.com/21.6/en/application-monitoring/identify-backends>

Question 5

Question Type: MultipleChoice

Which two match conditions can be added when you configure an Information Point? (Choose two.)

Options:

- A- Match based on a regex applied to the method
- B- Match based on the invoked object
- C- Match based on the Business Transaction
- D- Match based on the return value

Answer:

A, B

Explanation:

When configuring an Information Point in AppDynamics, you can add match conditions to refine what gets measured. Match conditions based on a regex applied to the method allow you to specify which methods to include based on a regular expression pattern. Matching based on the invoked object allows you to specify which objects' methods are included, filtering the data according to the object type or instance. These conditions help in pinpointing specific methods or objects for which you want to collect runtime information. Reference: AppDynamics documentation on Information Points and Match Conditions.

Question 6

Question Type: MultipleChoice

Refer to exhibit.



Refer to the exhibit. Using this heap utilization graph, which method is used to confirm if a memory leak is occurring during a certain time frame?

Options:

- A- In metric browser go through Application Infrastructure > Hardware Resources and select Memory Total (MB) and Used (MB)
- B- Refer to the Tiers and Nodes section and into the Memory tab and visualize Heap Utilization (%) and Heap Current Usage (MB) Vs Max (MB)

C- Refer to the Tiers and Nodes section and into the JMX tab and select JVM > Memory > Heap > Max Available (MB) and Current usage (MB)

D- In metric browser go through Application Infrastructure > Hardware Resources > Memory Total (MB) and Swap Used (MB)

Answer:

B

Explanation:

To confirm if a memory leak is occurring, one should refer to the Tiers and Nodes section of the AppDynamics Controller UI, navigate to the Memory tab, and observe the Heap Utilization over time in relation to the Heap's Current Usage (MB) versus the Maximum (MB) allocated. Consistent growth in heap utilization or an upward trend that does not decrement even after garbage collection indicates a potential memory leak.

Question 7

Question Type: MultipleChoice

A team of developers deploys new Java servlet code that should create new business transactions in AppDynamics. After applying load on the new code function, there are no new Business Transactions on the Business Transaction Dashboard. Which two options should

the developers check in AppDynamics to make sure the Business Transactions can be discovered?

[Choose two.]

Options:

- A- The metric browser to see if the new transactions appear under Business Transaction Performance.
- B- The tier with the new code does not have any rules excluding it.
- C- Auto discovery for service endpoints is turned on.
- D- There is a health rule created to check for transaction performance.
- E- Auto Discovery for servlet is turned on for Java agents.

Answer:

B, E

Explanation:

When new business transactions are not appearing on the Business Transaction Dashboard after deploying new code, developers should verify that there are no exclusion rules in place on the tier where the new code was deployed. Additionally, it is crucial to ensure that the Auto Discovery feature for servlets is enabled for Java agents, as this allows AppDynamics to automatically detect and name business transactions based on incoming requests to servlets. Both of these checks are necessary to ensure that new business transactions can be discovered and monitored. Reference: AppDynamics documentation on Business Transaction detection and Java

Agent configuration.

Question 8

Question Type: MultipleChoice

How does a Performance Analyst identify if automatic remediation has been taken for a health rule violation?

Options:

- A- Expand on the 'Description' field to display 'Actions Executed'.
- B- Review the 'Application Dashboard' and review 'Actions Executed'
- C- Right-click on 'view details' and click on the 'Actions Executed' button.
- D- Click on the link inside the Health Rule field and look for the 'Affects' tab to display the Executed Actions.

Answer:

A

Explanation:

To identify if automatic remediation actions have been taken for a health rule violation in AppDynamics, a Performance Analyst should expand the 'Description' field of the health rule violation event. This section will provide details on the actions executed as part of the automatic remediation process. These details help analysts understand the steps taken by the system to mitigate the issue without manual intervention. Reference: AppDynamics documentation on Health Rule Violations and Automated Actions.

Question 9

Question Type: MultipleChoice

An AppDynamics deployment has Business Transaction Lock Down turned on. The company has just added an important service to its application and wants to track this service as a unique Business Transaction. What action is needed to achieve this?

Options:

- A-** Use the Business Transaction Dashboard for the tier-specific All Other Traffic to register the Business Transaction
- B-** Modify the Automatic Transaction Discovery rule to include the Web Service Name and Operation Name
- C-** Use live preview to identify the Business Transaction and Register it from there

D- Create a Custom Transaction Match Rule based on the Web Service Name and Operation Name

Answer:

D

Explanation:

When Business Transaction Lock Down is enabled in AppDynamics, no new business transactions will be automatically discovered to avoid uncontrolled growth in the number of business transactions. To track a new service as a unique Business Transaction, one needs to create a Custom Match Rule that specifies the criteria for identifying the business transaction. In this case, the Custom Match Rule should be based on the Web Service Name and Operation Name which are the distinguishing characteristics of the new service. This allows for the precise identification and monitoring of the service within the AppDynamics platform. Reference: AppDynamics documentation on Business Transaction configuration and Custom Match Rules.

Question 10

Question Type: MultipleChoice

A Performance Analyst has enabled Development Level Monitoring for an application. For a default configuration, in which scenario will Development Level Monitoring get automatically disabled?

Options:

- A- A maximum of 500 calls per minute limit is exceeded, and Maximum heap utilization percentage goes above 90%
- B- A maximum of 1500 calls per minute limit is exceeded, and Maximum heap utilization percentage goes above 90%
- C- A maximum of 1000 calls per minute limit is exceeded, and Maximum heap utilization percentage goes above 95%
- D- A maximum of 2000 calls per minute limit is exceeded, and Maximum heap utilization percentage goes above 95%

Answer:

A

Explanation:

Development Level Monitoring in AppDynamics is designed for use in a lower volume, non-production environment. For a default configuration, Development Level Monitoring will get automatically disabled if the monitored environment exceeds a threshold, typically a maximum of 1000 calls per minute, and the Maximum heap utilization percentage goes above 95%. These thresholds are in place to prevent excessive overhead in a production environment where such detailed monitoring could impact performance.

AppDynamics documentation on Agent Configuration: Provides information on configuration settings for monitoring levels, including when Development Level Monitoring is automatically disabled due to exceeding thresholds.

Question 11

Question Type: MultipleChoice

A Performance Analyst has an urgent need to gather more data for an ongoing issue. What should the Performance Analyst do?

Options:

- A- Enable Development Level Monitoring
- B- Browse the Metric Browser for errors
- C- Review the various transaction snapshots to identify anomalies
- D- Carefully monitor the snapshots for errors

Answer:

A

Explanation:

If a Performance Analyst has an urgent need to gather more data for an ongoing issue, they should enable Development Level Monitoring. This monitoring level increases the amount of detailed diagnostic data collected by the agent, such as snapshots and transaction traces, which can provide deeper insights into the issue at hand.

AppDynamics documentation on Monitoring Levels: Describes the different levels of monitoring available, including Development Level Monitoring and the types of data each level collects.

Question 12

Question Type: MultipleChoice

Which option, in addition to "minutes since creation", would a Performance Analyst use while configuring Automatic Cleanup of stale Business Transactions?

Options:

- A- Transaction Type
- B- Number of Calls
- C- Regular Expression
- D- Class/Method Filter

Answer:

B

Explanation:

When configuring Automatic Cleanup of stale Business Transactions, the 'minutes since creation' option is often paired with the 'Number of Calls' metric. This setting ensures that business transactions that have not been called within a certain timeframe and have had a negligible number of calls are automatically cleaned up, helping to maintain an organized and relevant set of business transactions in the monitoring system.

AppDynamics documentation on Business Transactions: Discusses best practices for managing business transactions, including the automatic cleanup based on time and call volume thresholds.

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