500-420^Q&As

Cisco AppDynamics Associate Performance Analyst

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QUESTION 1

Which type of Data Collector will capture code data such as method arguments, variables, and return values?

A. Method Invocation Data Collector

B. Servlet Container Collector

C. Transaction Data Collector

D. URI Data Collector

Correct Answer: A

The "Method Invocation Data Collector" is specifically designed to capture code-level data such as method arguments, variables, and return values. This type of data collector enables deep visibility into the execution of methods within
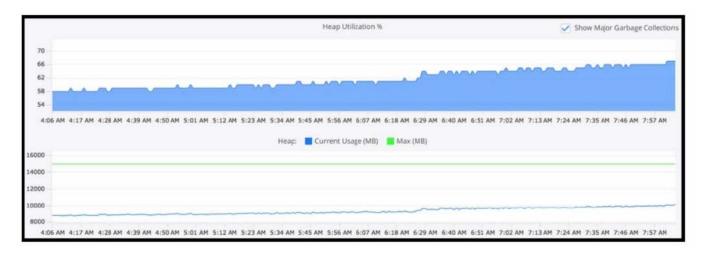
transactions, providing valuable insights into the application\\'s behavior and performance. This detailed level of monitoring is essential for diagnosing complex issues and understanding the inner workings of business transactions.

References:

AppDynamics documentation on Data Collectors: Details the types of data collectors available, including Method Invocation Data Collectors, and how they can be used to capture detailed code-level data.

QUESTION 2

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?

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)

Correct Answer: B

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.

References:AppDynamics documentation on Memory Leak Detection and Heap Analysis.

QUESTION 3

Which statement about Service End Points and Business Transactions is true?

A. Service End Points and Business Transactions can both be renamed by right clicking and selecting \\'rename\\'.

B. Service End Points and Business Transactions can both configure data collectors.

C. Service End Points and Business Transactions can both be split.

D. Service End Points and Business Transactions both provide percentile metrics.

Correct Answer: B

Both Service Endpoints and Business Transactions in AppDynamics have the capability to configure data collectors. Data collectors are used to gather detailed information about transactions or endpoints, such as method parameters, return values, and SQL statements. References: AppDynamics documentation on Data Collectors https://docs.appdynamics.com/latest/en/application-monitoring/configure-data-collection

QUESTION 4

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?

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

Correct Answer: D

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.References:AppDynamics documentation on Business Transaction configuration and Custom Match Rules.

QUESTION 5

A Performance Analyst has noticed a significant decrease in an application\\\'s workload (calls/min) and is trying to identify the root cause. Which option will give the Performance Analyst insight into the behavior of the affected Business Transactions?

A. Review Business Transactions and enable Show Trends

B. In Metric Browser Plot Calls/min for the Application

C. Review Top Business Transactions by Load in the Application Dashboard

D. Review the Transaction Score for the Application

E. Review all elements in the Application Flow Map and identify variations in load

Correct Answer: C

When a Performance Analyst observes a significant decrease in an application\\\'s workload (calls/min), reviewing the "Top Business Transactions by Load" in the Application Dashboard can provide valuable insights. This feature allows the

analyst to quickly identify which business transactions have experienced the most significant changes in load, potentially pinpointing the root cause of the overall workload decrease. It offers a focused view of the application\\\'s performance,

highlighting areas that may require further investigation or immediate action.

References:

AppDynamics documentation on Application Dashboard: Describes the features and capabilities of the Application Dashboard, including how to view and analyze the top business transactions by load.

AppDynamics documentation on Business Transactions: Details the importance of monitoring business transactions and how they can be used to understand application performance trends.

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