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Riverbed

499-01

Riverbed Certified Solutions Professional Application Performance Manager

Answer: A

QUESTION: 183
In a three-tier application with a web front-end, application middle tier, and database back-end, where is the best instrumentation point for end-to-end visibility?

A. It is best to instrument at all tiers for maximum visibility.
B. It is best to instrument at the web tier, since that is typically the client entry point into the application.
C. It is best to instrument at the application tier, since it sits between the web and database tiers.
D. It is best to instrument at the database tier, since it holds the data the client is requesting.

Answer: A

QUESTION: 184
Riverbed Performance Management allows you to view an application from end-to-end by instrumenting:

A. Each web page associated with the application
B. A back-end data adapter that identifies and tracks all tiers of the application
C. The front-end web application with JavaScript and the application tiers with agents
D. The front-end web application with agents and the back-end with specified scripts

Answer: C

QUESTION: 185
Which of the following applies when comparing AppInternals Xpert metric data with AppResponse Xpert data for the last 10 minutes?

A. Both provide average data, but AppInternals Xpert has data at 1-second granularity while AppResponse Xpert has data at 1-minute granularity.
B. Measuring common requests, AppResponse Xpert data provides network and server processing delay while AppInternals Xpert provides server processing delay only.
C. Assuming response time is being evaluated for a common request available

from both data sources, AppInternals Xpert data is the maximum response during each 1-second bucket while AppResponse Xpert data is averaged over a 1-minute bucket.
D. AppInternals Xpert "Max. Active" metrics on Servlet/JSP/Web Aggregate metrics should exactly match AppResponse Xpert "Connections" metric.

Answer: C

QUESTION: 186
Which of the following is not required to enable single sign-on between OPNET Authentication Service (OAS)-enabled products?

A. All products must use the same OAS server.
B. The fully qualified domain name (FQDN) all products use has a common "cookie domain."
C. The users' web browsers need to send the OAS cookies, which affects the choice of common "cookie domain."
D. All possible FQDNs must be registered within OAS to allow them to work.

Answer: D

QUESTION: 187
When investigating reports of web page performance problems, which of these integration pathways could be used? (Select 3)

A. RPM Dashboards -> AppResponse Xpert -> AppInternals Xpert -> Transaction Trace Warehouse
B. BrowserMetrix -> AppTransaction Xpert
C. Transaction Trace Warehouse -> AppInternals Xpert -> AppResponse Xpert -> AppTransaction Xpert
D. RPM Dashboards -> BrowserMetrix -> Transaction Trace Warehouse
E. RPM Dashboards -> AppInternals Xpert -> AppTransaction Xpert

Answer: A, C, D

QUESTION: 188
When diagnosing a user-reported performance problem for an application, what is the best conclusion to draw after analyzing the server log file and finding nothing wrong?

A. The servers cannot be the problem.
B. It must be the network.
C. There is no problem. The user's experience is normal and expected.
D. No conclusion can be made due to insufficient data.
E. More monitoring and analysis is required to identify and eradicate monitoring gaps at the end user, network, server, and back-end dependencies.

Answer: E

QUESTION: 189
When measuring end-user performance of internal .NET web applications, which solution provides the most valuable information and why?

A. AppResponse Xpert, because it shows server and network delays for individual page views.
B. AppInternals Xpert Transaction Trace Warehouse, because it includes network delay and indicates what happens within each tier.
C. BrowserMetrix SaaS, because it reports the most detail of end-user performance, is measured at the browser, and is easiest to set up.
D. AppTransaction Xpert, because it reports the most detail of transaction performance as seen by the workstation's network packets.
E. BrowserMetrix On-Premise, because it provides the most detail of end-user performance and the ability to see Transaction Trace Warehouse data for server-side delay information.

Answer: E

QUESTION: 190
Which of these product pairs are most likely to agree on response time of an individual web request?

A. Transaction Trace Warehouse and AppTransaction Xpert
B. BrowserMetrix and AppResponse Xpert Web Transaction Analysis
C. AppResponse Xpert HTTP Application and AppInternals Xpert metric data
D. AppResponse Xpert Web Transaction Analysis and AppTransaction Xpert
E. BrowserMetrix and Transaction Trace Warehouse

Answer: D

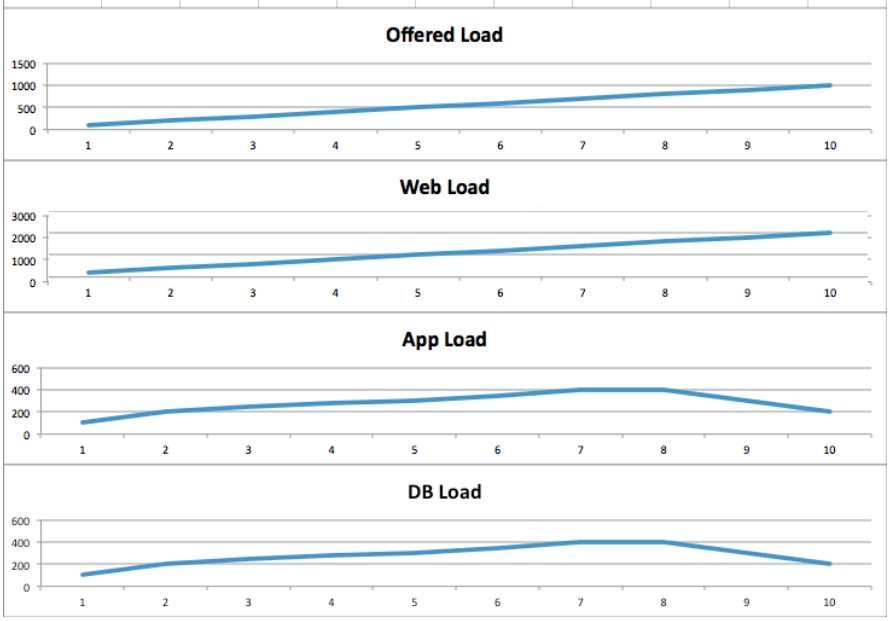
QUESTION: 191
After downloading Web Transaction Analysis page view packets from AppResponse Xpert and opening AppTransaction Xpert, you are prompted to enter Transaction Trace Warehouse information. Why did the prompt appear and what does it mean?

A. The prompt always appears when you use this workflow. It means AppResponse Xpert passed a parameter to AppTransaction Xpert, causing it to search the specified Transaction Trace Warehouse server for supporting server trace information.
B. The AppTransaction Xpert preferences were set to always import Transaction Trace Warehouse trace data no matter how the packets were obtained.
C. While importing the packets, AppTransaction Xpert noticed HTTP headers indicating the presence of transaction tracing. It is asking for the hostname and credentials of the appropriate Transaction Trace Warehouse server to download the specific transaction traces referenced in the HTTP headers of the packet trace.
D. When the AppInternals Xpert instrumentation is set to create trace files, it marks the TCP headers for each packet in that transaction so AppTransaction Xpert knows to look for supporting transaction data.

Answer: C

QUESTION: 192
Refer to the exhibit.

Offered Load	100	200	300	400	500	600	700	800	900	1000
Web Load	100	200	350	500	550	800	1200	1500	2000	2500
App Load	100	200	250	275	300	350	400	400	300	200
DB Load	100	200	250	275	300	350	400	400	300	200



This graph represents the number of requests waiting for a response across various tiers. With load being generated at a constantly increasing rate, which tier is the bottleneck and why?

A. The Web tier is the bottleneck because it has the most open requests waiting for a response.
B. The DB tier is the bottleneck because it is the lowest tier that is clearly not handling requests in time.
C. The App tier is the bottleneck because it is the first tier not handling the same number of requests as the tier above it.
D. The Web tier is the bottleneck because at an Offered Load of 300, there are still 50 requests waiting from the Web tier, and it never recovers. The lower tiers do not get the requests passed to them because the Web tier is not processing fast enough.
E. The App tier is the bottleneck because the DB tier is handling everything the App tier sends it.

Answer: D

QUESTION: 193
Which methods would diagnose why page views are not being counted in BrowserMetrix? (Select 3)

A. Look at the waterfall view for individual page views in AppResponse Xpert and verify it has the beacon.gif request to the BrowserMetrix Collector.
B. View the page source of a page that should be tracked in the browser to ensure it has the initial JavaScript snippet loaded.
C. Analyze network packets from the browser workstation with AppTransaction Xpert to verify it makes a request to the BrowserMetrix Collector.
D. View the transaction details from Transaction Trace Warehouse (assuming the back-end is also instrumented with AppInternals Xpert) to check the HTTP headers for presence of a BrowserMetrix cookie.
E. Look at AppResponse Xpert data for requests to the BrowserMetrix Collector process to validate they occur.

Answer: B, C, E

QUESTION: 194
To integrate the Riverbed product suite into your existing trouble ticketing system, which of the following could be done? (Select 3)

A. Use the built-in email and SNMP mechanism or a custom forensic script in AppInternals Xpert to send alerts to the existing system.
B. Configure alerts in AppResponse Xpert to send SNMP traps to the existing system.
C. Set up BrowserMetrix to send email alerts to an email gateway.
D. Add email alerts to the RPM Dashboard settings.
E. Configure Transaction Trace Warehouse to send email alerts to an email gateway when certain thresholds are met.

Answer: A, B, C

QUESTION: 195
A user imported HTTPS packets for analysis in AppTransaction Xpert from AppResponse Xpert. Although the user was able to see the decrypted packets in AppResponse Xpert, he only sees encrypted packets in AppTransaction Xpert. Why ?

A. The private key might not be imported in AppTransaction Xpert from AppResponse Xpert.
B. AppTransaction Xpert cannot analyze HTTPS packets.
C. The user must provide the SSL to AppTransaction Xpert.
D. AppTransaction Xpert needs TCP handshaking packets to decrypt SSL traffic.

Answer: C

QUESTION: 196
Refer to the exhibit.



In the diagram, what does the WIN<<7=17408 (in the red rectangle) indicate?

A. TCP window scaling
B. Maximum transmission unit (MTU)
C. TCP maximum segment size
D. Packet size

Answer: A

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