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IBM

C1000-161

IBM Certified Administrator - Instana V1.0.243 (C9005000)

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Question: 1

Which of the following integrations are supported by Instana? Choose the correct option(s).

Response:

A. Integration with Jenkins for continuous integration and delivery (CI/CD) pipelines.
B. Integration with cloud service providers like AWS, Azure, and GCP.
C. Integration with version control systems like Git.
D. Integration with social media platforms for application marketing.

Answer: A, B, C

Explanation: Instana supports integrations with Jenkins for CI/CD pipelines, cloud service providers like AWS, Azure, and GCP, and version control systems like Git. However, it does not integrate with social media platforms for application marketing purposes.

Question: 2

In Instana, what is the purpose of a snapshot?

Response:

A. To capture a single moment in time of the monitored environment
B. To record and replay application requests for troubleshooting
C. To create a backup of the Instana configuration
D. To analyze historical performance trends
E. To simulate user interactions with the application

Answer: A

Explanation: In Instana, a snapshot is used to capture a single moment in time of the monitored environment. It provides a snapshot of the system's state, including metrics, traces, and other relevant data, which can be used for analysis, troubleshooting, and performance monitoring.

Question: 3

Which two protocols are supported for OpenTelemetry ingestion in the host agent?

Response:

A. HTTP
B. UDP
C. RTP
D. TCP
E. GRPC

Answer: A, E

Explanation: The Instana host agent supports the ingestion of OpenTelemetry data using the HTTP and GRPC protocols. These protocols allow for the collection and transmission of telemetry data from various sources to the Instana platform for analysis and monitoring.

Question: 4

Which of the following configuration options are available in Instana? Choose the correct option(s).

Response:

A. Configuring alert thresholds for different application metrics.
B. Defining scheduled maintenance windows for application servers.
C. Configuring automatic scaling based on CPU utilization.
D. Configuring firewall rules for inbound network traffic.

Answer: A, B, C

Explanation: Instana provides configuration options such as configuring alert thresholds for different application metrics, defining scheduled maintenance windows for application servers, and configuring automatic scaling based on CPU utilization. However, it does not offer direct configuration of firewall rules for inbound network traffic.

Question: 5

Which of the following statements accurately describe Instana's scalability options? Choose the correct option(s).

Response:

A. Instana can scale horizontally by adding more Instana Agents to monitor additional hosts.
B. Instana can automatically scale application server resources based on performance metrics.
C. Instana can scale vertically by increasing the resources allocated to the Instana backend.
D. Instana supports auto-scaling of Kubernetes clusters.

Answer: A, C

Explanation: Instana offers scalability options such as scaling horizontally by adding more Instana Agents to monitor additional hosts and scaling vertically

by increasing the resources allocated to the Instana backend. It does not provide automatic scaling of application server resources or support auto-scaling of Kubernetes clusters.

Question: 6

What is the recommended method for installing the Instana host agent on a Linux system?

Response:

A. RPM package installation
B. Docker container deployment
C. Manual compilation from source code
D. Snap package installation
E. Ansible playbook deployment

Answer: A

Explanation: The recommended method for installing the Instana host agent on a Linux system is through RPM package installation. RPM packages provide an easy and standardized way to install and manage software on Linux distributions.

Question: 7

Which component of Instana is responsible for gathering and analyzing application performance metrics?

Response:

A. Unbounded Analytics

B. Trace Collector
C. Application Perspectives
D. Backend Traces
E. Service Maps

Answer: C

Explanation: The Application Perspectives component in Instana is responsible for gathering and analyzing application performance metrics. It provides detailed insights into the performance of individual applications, including metrics such as response time, throughput, and error rates.

Question: 8

Which of the following actions can be performed for troubleshooting in Instana? Choose the correct option(s).

Response:

A. Analyzing application logs and error messages.
B. Debugging application code within Instana's interface.
C. Rebooting application servers from the Instana dashboard.
D. Capturing and analyzing network traffic for performance issues.

Answer: A

Explanation: For troubleshooting in Instana, actions such as analyzing application logs and error messages can be performed. However, Instana does not provide the capability to debug application code within its interface, reboot application servers, or capture and analyze network traffic for performance issues.

Question: 9

Which integration method is used to collect infrastructure metrics from Kubernetes clusters in Instana?

Response:

A. Instana Agent
B. Instana OneAgent
C. Instana Collector
D. Instana Kubernetes Operator
E. Instana Prometheus Exporter

Answer: D

Explanation: The Instana Kubernetes Operator is used to collect infrastructure metrics from Kubernetes clusters in Instana. It deploys a dedicated Instana agent within the Kubernetes cluster to collect and transmit metrics related to the cluster's infrastructure, such as CPU usage, memory utilization, and network traffic.

Question: 10

Which of the following statements accurately describe Instana Concepts? Choose the correct option(s).

Response:

A. Instana is a containerized application monitoring solution.
B. Instana uses AI-powered analytics to automatically detect and analyze application performance issues.
C. Instana supports monitoring of only web applications.
D. Instana captures and analyzes network traffic to identify security

vulnerabilities.

Answer: A, B

Explanation: Instana is a containerized application monitoring solution that uses AI-powered analytics to automatically detect and analyze application performance issues. It supports monitoring of various types of applications, including web applications. However, it does not specifically capture and analyze network traffic for security vulnerabilities.

Question: 11

Which configuration file is used to define the instrumentation of custom applications in Instana?

Response:

A. instana.yaml
B. agent.properties
C. application.json
D. backend.properties
E. env.properties

Answer: A

Explanation: The "instana.yaml" configuration file is used to define the instrumentation of custom applications in Instana. It allows you to specify the configuration details for monitoring and tracing specific applications, including the collection of custom metrics and the definition of instrumented frameworks.

Question: 12

What is a key operation performed in Instana?

Response:

A. Collecting and visualizing application performance metrics.
B. Generating automated code fixes for application bugs.
C. Monitoring and managing database instances.
D. Optimizing network routing for improved application performance.

Answer: A

Explanation: A key operation performed in Instana is collecting and visualizing application performance metrics. It provides insights into various aspects of application performance, but it does not generate automated code fixes, monitor and manage database instances, or optimize network routing.

Question: 13

What is a prerequisite for installing Instana Agent on a host machine?

Response:

A. Docker installed and running on the host machine.
B. Java Development Kit (JDK) version 11 or higher installed on the host machine.
C. The host machine must have at least 16GB of RAM.
D. The host machine must be running a specific Linux distribution.

Answer: B

Explanation: To install Instana Agent on a host machine, a prerequisite is to have Java Development Kit (JDK) version 11 or higher installed on the host machine. Docker is not a requirement for installing the agent, and there are no

specific RAM or Linux distribution requirements.

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