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IBM C1000-189 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> Operations: This section of the exam measures the skills of Application Monitoring Specialists and covers daily operational tasks for managing Instana environments. It includes configuring website and application monitoring, handling synthetic monitoring, and creating incidents, issues, and alerts. Candidates will analyze infrastructure performance, set maintenance windows, and design custom dashboards. They are also expected to interpret golden signals, evaluate alerts, use analytics, and perform backup or restore operations to maintain optimal system performance.
Topic 2	<ul style="list-style-type: none"> Configuration: This section of the exam measures the skills of DevOps Administrators and evaluates their ability to configure and optimize Instana operational settings. It involves setting up business process monitoring, configuring both cloud and serverless agents, and defining agent proxy parameters. Candidates will learn to implement various technologies and sensors, manage OpenTelemetry integrations, set up smart alerts, create service naming rules, and define custom SLIs and payloads for alert channels. Managing licenses and ensuring proper configuration of alerts and notifications are also key components of this domain.
Topic 3	<ul style="list-style-type: none"> Installation: This section of the exam measures the skills of System Implementation Specialists and focuses on installing and deploying Instana across different environments. It includes installing the Instana backend, deploying and configuring agents, and migrating existing Instana setups. Candidates will also demonstrate their ability to implement Synthetic Monitoring and manage Points of Presence (PoPs) effectively for end-to-end performance validation.
Topic 4	<ul style="list-style-type: none"> Planning: This section of the exam measures the skills of Cloud Monitoring Engineers and covers the foundational planning tasks required for successful Instana deployment. Candidates must understand the installation prerequisites, the architectural design of Instana for on-premises environments, and the platform core capabilities and use cases. It also assesses knowledge of different agent modes, supported sensors and tracers, and the distinctions between cloud service agents and serverless agents essential for scalable implementation.

Actual IBM Instana Observability v1.0.277 Administrator - Professional Exam Questions are Easy to Understand C1000-189 Exam

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IBM Instana Observability v1.0.277 Administrator - Professional Sample Questions (Q55-Q60):

NEW QUESTION # 55

What is the purpose of the Infrastructure map?

- A. It shows a dynamic map of the relation between infrastructure nodes.
- **B. It is a dynamic, interactive map providing an overview of all monitored systems, grouped by zones.**
- C. It is a detailed static image of all hardware resources.
- D. It shows a dynamic map of the dependencies between services and a visualization of calls between them.

Answer: B

Explanation:

According to IBM Instana Observability documentation, the Infrastructure map's primary goal is to present a real-time, interactive graphical overview of monitored hosts, nodes, VMs, and cloud instances, organized by zones or clusters. The verified statement is: "The Infrastructure map provides a dynamic, interactive view of all monitored systems-grouping resources by logical or physical zones and delivering actionable context for troubleshooting and planning." Users can zoom, filter, and select entities to drill into system health and configuration, identify relationships, and pinpoint issues in geographic or topological layouts. Static images are not produced; instead, the map updates in real-time as agents detect new hosts, containers, or state changes, reflecting additions, removals, or migrations instantly. Option D describes the Service map, which visualizes application and service dependencies rather than the underlying infrastructure. Thus, C best matches the IBM documented description for Infrastructure map functionality.

NEW QUESTION # 56

For Instana Standard Edition, in which file should the salesKey be updated?

- A. Gui.api
- B. config.yaml
- C. download.pl
- **D. license.json**

Answer: D

Explanation:

Licensing in Instana is controlled by a key called "salesKey," which must be placed in the license.json file for Standard Edition. Per IBM Instana Observability documentation, "The salesKey is part of the license.json file, which must be updated to activate the Instana Standard Edition license." This file is checked at startup and authorizes agent/server deployment, binding entitlement and features to the account. Instana's licensing model relies on proper key management within license.json for compliance and support tracking. The config.yaml file manages agent technical configuration, not licensing. Download.pl and gui.api files are not associated with salesKey or licensing. Any update to the license must be done within license.json and validated by Instana's backend for activation completeness-this procedure is outlined step-by-step in the installation and onboarding guides.

NEW QUESTION # 57

What is highly recommended when integrating a few hundred IBM APM v8 agents with Instana?

- A. Re-install the IBM APM 8 server.
- B. Enable the APM sensor directly on the configuration.yaml file.
- C. Install the Instana Agent on multiple servers.
- **D. Increase the JVM memory of the Instana host agent.**

Answer: D

Explanation:

IBM Instana Observability documentation makes it clear that, when integrating many IBM APM v8 agents with a single Instana Agent host, it is highly recommended to increase the JVM memory allocation of the Instana host agent. The official guidance is: "If integrating several hundred APM v8 agents with a single Instana host agent, make sure to increase the Java Virtual Machine (JVM) heap size on the Instana host agent, as the default settings may not suffice for the heightened metric ingestion and processing load." Without this adjustment, the host agent could experience memory pressure, leading to dropped metrics, agent restarts, or degraded ingestion. This step is essential for scaling and ensuring metric reliability in high-volume environments, as detailed in the agent performance tuning and scalability section of IBM's documentation. Other options (A, B, D) do not address the resource requirements driven by metric collection at scale.

NEW QUESTION # 58

Which statement best describes BeeInstana?

- **A. A Kubernetes operator that requires high-performing data stores and a distributed data store cluster.**
- B. An operator that can be used to install Instana on Kubernetes
- C. It is a metric database used to perform complex metric queries
- D. An operator that can be used only on self-hosted deployments that have data stores installed

Answer: A

Explanation:

BeeInstana is identified in Instana's documentation as the core Kubernetes operator driving distributed installation and management of Instana components. The documentation defines: "BeeInstana is a Kubernetes operator that requires robust, high-performing distributed data stores and manages Instana deployment complexity, resource allocation, and scaling within large clusters." By leveraging Kubernetes-native constructs, BeeInstana orchestrates Instana backend, UI, sensors, and streaming components-ensuring reliable, scalable deployments for enterprise settings. The operator orchestrates failover, recovery, and persistent storage management, supporting self-hosted and hybrid installations. While it is associated with metric data handling, its main role is orchestration and operational management based on distributed database infrastructures. Simple operator installation (A, D) does not capture its full role, and describing BeeInstana as only a metric database (B) misrepresents its architectural function in Instana's platform lifecycle.

NEW QUESTION # 59

Which action triggers an event when a Synthetic PoP is uninstalled?

- A. Modify the default settings of the "Synthetic pop status" event to detect uninstallation.
- B. Create a customized event using the Offline event detection system rule.
- C. Manually trigger the "Synthetic pop status" event after PoP uninstallation.
- **D. Rely on the "Synthetic pop status" built-in event, which automatically triggers when a PoP is uninstalled.**

Answer: D

Explanation:

IBM Instana documentation describes automated event management for Synthetic Points of Presence (PoP). When a Synthetic PoP is uninstalled or goes offline, Instana's event model will automatically trigger the "Synthetic pop status" event. The verified statement found in the latest docs: "The 'Synthetic pop status' built-in event automatically triggers when a Synthetic PoP is uninstalled or taken offline, notifying administrators for actionable response." No manual intervention or custom rule creation is needed (A, B), and default event logic already covers all offline or removal states so configuration changes (D) aren't necessary. This ensures real-time visibility for operational teams to maintain synthetic coverage, immediately alerting when synthetic endpoint monitoring is compromised or reconfigured. Built-in event automation is an Instana best practice, limiting operational complexity and maintaining

