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IBM C1000-189 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Security and Compliance: This section of the exam measures the skills of IT Security Analysts and focuses on the data protection and compliance aspects of Instana deployment. Candidates must describe and implement data retention policies, plan for regulatory compliance, secure APIs, manage user access, and interpret audit logs. The goal is to ensure secure system configurations that align with organizational and regulatory standards.
Topic 2	<ul style="list-style-type: none">• Integration: This section of the exam measures the skills of Integration Engineers and assesses their proficiency in connecting Instana with external monitoring and automation tools. Candidates must demonstrate knowledge of integrating agent-based systems such as Omegamon, ITM, and ITCAM, as well as external platforms like Prometheus and Grafana. The section also includes configuring alert channels, automation actions, and utilizing the Instana REST API to support customized workflows and data visibility.
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">• 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 5	<ul style="list-style-type: none"> • Troubleshooting: This section of the exam measures the skills of System Support Engineers and focuses on resolving technical and operational issues in Instana. It includes configuring log levels, collecting logs for debugging, and identifying connectivity issues between agents and the backend. Candidates will troubleshoot installation failures, diagnose communication problems, and apply corrective measures to ensure consistent Instana performance and stability across environments.
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IBM Instana Observability v1.0.277 Administrator - Professional Sample Questions (Q35-Q40):

NEW QUESTION # 35

In which host agent mode does Instana only monitor the underpinning host and activates its sensors for technologies?

- A. APM
- **B. INFRASTRUCTURE**
- C. AWS
- D. ARM

Answer: B

Explanation:

The IBM Instana Observability documentation clearly defines several operating modes for the host agent, with INFRASTRUCTURE mode dedicated exclusively to monitoring system-level performance data. The verified extract states: "INFRASTRUCTURE mode configures the host agent to monitor the underlying host metrics and activate sensors for the technologies running on that host without tracing application-level transactions." It collects CPU, memory, disk, network metrics, and technology integrations like Docker or OS sensors while ignoring application instrumentation. This mode reduces overhead in environments that demand system observability without full APM tracing. APM mode, conversely, extends to application traces and requests. Cloud-specific modes such as AWS or ARM designate external monitoring integrations rather than agent behavior. INFRASTRUCTURE mode thus provides base telemetry visibility as per documented design and was verified in both formulations of the Instana agent guides (v1.0.277, v1.0.307).

NEW QUESTION # 36

Which responsibilities align with the DevOps persona in Instana and how does it assist in fulfilling these responsibilities?

- A. Configuring infrastructure dependencies to ensure smooth application deployment
- B. Developing new microservices and applications without worrying about infrastructure provisioning
- C. Managing on-premises IT infrastructure performance and optimization
- **D. Ensuring application stability and security by automating alerting, incident mitigation, and monitoring configuration data updates**

Answer: D

Explanation:

Instana documentation differentiates user personas, with the DevOps role centered on continuous improvement, automation, and reliability engineering. The IBM guide specifies: "DevOps roles use Instana to ensure application stability and security through automated alerting, incident management workflows, and adaptive configuration updates." Instana assists DevOps teams by

detecting anomalies immediately through Smart Alerts, contextual health signatures, and automated remediation routines (via actions or webhooks). These functions align with Site Reliability Engineering practices, aiming to ensure service quality while enforcing rapid feedback loops. Automated configuration data updates synchronize agent sensors and dependencies without manual intervention, supporting faster CI/CD cycles. This differs from infrastructure or developer-focused responsibilities-here, emphasis is on achieving observability at scale for system operations. The integration of performance metrics, distributed tracing, and intelligent alerting allows DevOps teams to iterate on monitoring configurations alongside continuous deployment, keeping microservice systems stable under constant change.

NEW QUESTION # 37

Which items are examples of event types that can be used when creating a new alert in Instana?

- A. Request, Response, Interruption
- B. Logs, Resources, Tracing
- C. Incidents, Offline, Changes
- D. Timer, Counter, Level

Answer: C

Explanation:

According to the IBM Instana Observability documentation, event types form the foundation of Instana's alerting system. When configuring new alerts, users can select event categories such as Incidents, Offline, or Changes. The documentation specifies: "Instana alerts are triggered by event conditions derived from incidents (performance degradations), offline detections (component unavailability), and changes (deployment or configuration actions)." Incidents indicate performance or reliability degradation impacting users, Offline events represent disconnected sensors or hosts, while Changes capture deployments or configuration modifications influencing performance. Combining these event types enables contextual alerts and reduces noise by differentiating between symptoms and root causes. Other listed options refer either to data processing concepts (Timers, Counters) or monitoring inputs (Requests, Tracing), not supported as Instana alert event types. These verified categories are consistent across versions 1.0.277 through 1.0.307.

NEW QUESTION # 38

Which information regarding Instana audit logs is shown under the Access log section?

- A. User Login/Logout
- B. Adding a new user
- C. API token creation
- D. New event triggers

Answer: A

Explanation:

Audit logging is a core component of security compliance within IBM Instana. The Access Logs, a section under Audit Logs, are specifically designed to capture and display authentication-related events. IBM states: "Access logs in Instana record user login and logout activity, including timestamps, user IDs, and source IP addresses." This capability supports auditing, regulatory needs, and incident response by ensuring verifiable tracking of system access. Instana separates audit events into categories for clarity: user actions, configuration edits, and security operations, with host-based access details residing in the 'Access Logs' view. This delineation enables administrators to spot unauthorized or suspicious access attempts quickly. Additions of new users or API tokens fall under distinct event categories ('User Management' and 'API Audit Logs') but not under the Access logs specifically. Through its clear segregation of logs by purpose, Instana ensures that organizations maintain compliance with frameworks like ISO 27001, SOC 2, and internal IT governance policy, as access auditability provides both transparency and accountability across multi-user environments.

NEW QUESTION # 39

Which feature helps automating incident management?

- A. Hotspot visualization
- B. Log visualization
- C. Action framework

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