

Exam IBM C1000-189 Consultant & C1000-189 New Dumps Book



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IBM C1000-189 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 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">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.

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IBM Instana Observability v1.0.277 Administrator - Professional Sample Questions (Q34-Q39):

NEW QUESTION # 34

Which environment requires an air-gapped Instana installation?

- A. An environment with high-speed internet connectivity
- B. An environment with restricted or no access to any external network or internet
- C. An environment that allows unrestricted data transfer internally
- D. An environment with firewall and proxy restrictions that disable access to Instana's auto update

Answer: B

Explanation:

According to the IBM Instana Observability documentation, an air-gapped installation is required when your environment is disconnected from the internet or has no access to external networks. The documentation states: "Air-gapped and restricted environments require deploying Instana without any connection to public repositories or backend services, assuring full isolation for compliance and regulatory requirements." The air-gapped setup ensures sensitive data or system configurations are never exposed outside the organization's internal trusted boundaries, making it mandatory for government, defense, or tightly regulated industries. Standard installation processes, including auto-update features and remote license verification, are replaced in air-gapped deployments with manual artifact and key management, as file transfers and package updates must be handled strictly within the controlled environment. The option described in B (high-speed internet) or D (unrestricted internal transfer) does not trigger air-gapping, while option A may require proxy or firewall configuration but is not entirely air-gapped unless full external access is blocked.

NEW QUESTION # 35

In Instana Standard Edition, which statement is true about the migration from a single-node deployment to a multi-node deployment?

- A. Only multi-node deployment can be converted to multi-node deployment.
- B. Only two nodes are currently supported in multi-node deployment.
- C. Single-node production cluster can be converted to only a single-node cluster.
- D. Migration of single-node demo installation type clusters is not supported.

Answer: D

Explanation:

IBM's deployment guidance notes a clear difference between demo and production-type installations. It explicitly states: "Migration from single-node demo clusters to multi-node deployments is not supported." Demo clusters are designed for evaluation use and lack necessary scalability components such as distributed storage or coordinated streaming services essential for multi-node operations. A single-node production cluster, however, can be transitioned using supported migration procedures defined in the Administration Guide. This ensures operational scale-out and performance continuity for production workloads. Attempting to migrate a demo edition results in incompatible dependencies and unsupported topologies. This restriction differentiates demonstration environments, which are prepackaged for simplicity, from production architectures intended for scaling and fault tolerance. The answer is therefore A, based completely on verified language in the Instana Standard Edition migration documentation.

NEW QUESTION # 36

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

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

Answer: C

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

When installing the Instana host agent on Kubernetes, which option is valid?

- A. Binary
- **B. Operator**
- C. RPM
- D. Homebrew

Answer: B

Explanation:

The Instana Operator is the officially recommended and supported method for deploying the Instana host agent on Kubernetes clusters. The IBM Instana Observability documentation states, "The recommended method to install the Instana agent on Kubernetes clusters is via the Instana Operator, which uses Custom Resources to simplify lifecycle management." The Operator pattern in Kubernetes automates not just installation, but also upgrades, configuration, and management of agents across the entire cluster. This ensures security and reliability because the Operator reacts to cluster changes and can self-heal agent deployments. Other install options such as Homebrew, direct binary, or RPM are for traditional VM or bare-metal hosts-not for orchestrated container environments like Kubernetes. Only with the Operator does Instana support automated scaling, configuration through CRDs, and native Kubernetes best practices. Helm charts are also often involved in configuring the Operator, further streamlining agents' deployment in public, private, or hybrid cloud clusters.

NEW QUESTION # 38

What does the stanctl cluster backup do?

- A. Create a snapshot of the disks
- B. Prepare the current directory for the backup procedure
- **C. Create an archive file in the current directory**
- D. Backup data of a remote Instana host

Answer: C

Explanation:

According to IBM Instana Observability (v1.0.307 and earlier), stanctl cluster backup is a built-in utility and command-line tool to back up system state and operational data from an Instana cluster. The verified procedure reads: "stanctl cluster backup saves configuration, operational state, and selected monitoring data into an archive file located in the current working directory." This archive is designed for disaster recovery and migration, containing all crucial files needed for restoring Instana to a consistent state. Disk snapshots (A) are separate and handled by storage appliances. Option B describes pre-backup preparation rather than the actual result. Remote backup (D) operations require remote execution configuration and are not part of the default cluster backup. Thus, C is correct as per documentation, which emphasizes bringing together all cluster backup data in a portable .tar or .zip archive for safe storage or transfer.

NEW QUESTION # 39

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