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NO.39 Which Logging Analytics concept represents an asset on your host that could provide log data?
* Entity
* Source
* Association
* Parser

Explanation

A source represents an asset on your host that could provide log data, such as a log file, a database audit log, or a Windows event log. A source defines the location, format, and frequency of the log data. You can associate a source with an entity type to enable Logging Analytics to parse and analyze the log data. For more information, see Sources.

NO.40 Which pillars of Observability are available as a single view from the Dashboard?
* Log data, Query language, Dashboard widgets
* Compute, Storage, and Network

* Logs, Metrics, and Traces
* Logging Analytics, Database Management, Stack Monitoring

Explanation

The pillars of Observability are Logs, Metrics, and Traces. Logs are records of events that occur in your system or application. Metrics are numerical measurements that describe the behavior and performance of your system or application. Traces are collections of spans that represent a single user request or transaction across different services and components. You can use Dashboard to create a single view that shows logs, metrics, and traces from various sources in one place.

NO.41 Which are the TWO components that the Management Agent solution includes in the Cloud service? (Choose two.)

* Cloud assets
* OCI Logging Analytics
* Management Agent
* Management Gateway

Explanation

Two components that the Management Agent solution includes in the Cloud service are:

* Management Agent. Management Agent is a lightweight process that collects and sends operational data from your resources to OCI services, such as Monitoring, Logging, or Stack Monitoring. Management Agent can collect data from various sources, such as databases, hosts, or applications.

* Management Gateway. Management Gateway is a component that enables secure communication between Management Agents and OCI services. Management Gateway acts as a proxy that encrypts and forwards data from Management Agents to OCI services.

NO.42 Which of the following details stored in the External Database service’s database connec-tion resource are required to connect to an external database?

* Port, service name, connection type and management agent OCID, user credentials, and role
* Port, database name, connection type and management agent OCID, user credentials, and role
* DNS hostname, database name, connection type and management agent OCID, user credentials, and role
* DNS hostname, port, service name, network protocol, connection type and management agent OCID, user credentials, and role

Explanation

The details stored in the External Database service’s database connection resource that are required to connect to an external database are DNS hostname, database name, connection type and management agent OCID, user credentials, and role. These details specify the information needed to establish a secure connection to the external database using amanagement agent. The DNS hostname is the fully qualified domain name of the host where the external database is running. The database name is the unique name of the external database. The connection type is the protocol used to connect to the external database, such as JDBC or OCI. The management agent OCID is the unique identifier of the management agent that is installed on the host where the external database is running. The user credentials are the username and password of the user who has access to the external database. The role is the privilege level of the user, such as normal or sysdba.

NO.43 Which of the following statement is NOTIvalid regarding Management Agent Cloud Service?

* Management Agent Cloud Service allows OCI services to collect data from on-premises and cloud assets, except that it can only transport data into AWS or GCS.
* Management Agent Cloud Service transport customer data to Logging Analytics, OCI Monitoring, or even a custom endpoint hosted in OCI.
* Management Agent Cloud service enables on demand execution of operations against monitored resources.
* Management Agent Cloud Service is self monitored.

Explanation

A valid statement regarding Management Agent Cloud Service is that Management Agent Cloud Service allows OCI services to collect data from on-premises and cloud assets, and transport data into OCI services, such as Logging Analytics, OCI Monitoring, or even a custom endpoint hosted in OCI. Management Agent Cloud Service does not support transporting data into AWS or GCS.

NO.44 Which statement is NOT valid about creating an alarm query in Oracle Cloud Infrastructure (OCI) Monitoring?
* You must specify a metric.
* You must specify a resource group.
* You must specify a statistic.
* You must specify an interval.

Explanation

A valid statement about creating an alarm query in OCI Monitoring is that you must specify a resource group.

A resource group is an optional feature that allows you to group metrics by certain attributes or tags. By specifying a resource group in your alarm query, you can filter out the metrics that belong to different resource groups and focus on the ones that are relevant for your alarm condition.

NO.45 Which TWO actions can be performed using the Database Management Service in Oracle Cloud Infrastructure (OCI)? (Choose two.)
* Forecast Capacity issue of Oracle Databases in On-Premises, OCI and Multi-Cloud environment
* Compare Database performance across different time periods or perform real-time monitoring of SQL statements
* Forecast Capacity issues of your Database services in OCI
* Analyze and Tune SQL performance issues of Oracle Databases on-premises, OCI and Multi- Cloud environment

Explanation

Two actions that can be performed using the Database Management Service in OCI are:

* Compare Database performance across different time periods or perform real-time monitoring of SQL statements. Database Management Service provides various tools and dashboards that let you compare and monitor the performance of your databases and SQL statements. You can use Performance Hub to view real-time and historical performance data of your databases. You can also use SQL Monitor to view real-time and historical execution details of your SQL statements.

* Analyze and Tune SQL performance issues of Oracle Databases on-premises, OCI and Multi-Cloud environment. Database Management Service provides various features and functions that let you analyze and tune SQL performance issues of your databases across different environments. You can use SQL Tuning Advisor to get recommendations for improving SQL performance. You can also use SQL Performance Analyzer to compare the performance of SQL statements before and after a change.

NO.46 Which of the following is required to enable Stack Monitoring?
* Dynamic group for discovery service
* Machine Learning group for resource associations
* User group for VNC collection

Explanation

The required step to enable Stack Monitoring is to create a dynamic group for discovery service. A dynamic group is a group of OCI resources that match certain rules or criteria. You need to create a dynamic group for discovery service to allow Stack Monitoring to discover and monitor the resources in your stack. You also need to attach a policy to the dynamic group that grants the required permissions for Stack Monitoring.

NO.47 What is the purpose of using Resolution in a Monitoring Query Language expression?
* Resolution is used with suppression to pause alarm during system maintenance
* Resolution defines the start time of each time window
* Resolution controls the total length of each time window
* Resolution automatically resolves the alarm which is Firing state

Explanation

The purpose of using Resolution in a Monitoring Query Language expression is to control the total length of each time window. Resolution is a parameter that specifies how often the query is evaluated and how the metric data is aggregated. For example, a resolution of 1m means that the query is evaluated every minute and the metric data is aggregated into one-minute intervals. Resolution affects the granularity and accuracy of the query results and the alarm condition.

NO.48 Which are the different data sources from where the Application Performance Monitoring (APM) Java agent can collect spans and metrics data?
* Jaeger or Zipkin
* VMware ESXi
* WebLogic, Tomcat, or JBoss
* NginX

Explanation

The data sources from where the APM Java agent can collect spans and metrics data are Jaeger or Zipkin.

Jaeger and Zipkin are open source distributed tracing systems that provide end-to-end visibility into complex transactions across multiple services and components. The APM Java agent can collect spans and metrics data from Jaeger or Zipkin compatible applications and send them to APM for analysis and visualization.

NO.49 Which TWO future resource usages are identified by Exadata Warehouse insights custom analytics under Operations Insights? (Choose two.)
* AIOps
* Memory
* Network usage
* CPU

Explanation

Two future resource usages that are identified by Exadata Warehouse insights custom analytics under Operations Insights are Memory and CPU. Exadata Warehouse insights custom analytics is a feature of Operations Insights that provides advanced analytics and visualization of Exadata performance data. You can use Exadata Warehouse insights custom analytics to create scenarios based on historical trends, growth rates, and what-if analysis. You can also use Exadata Warehouse insights custom analytics to forecast future resource usages, such as Memory or CPU, and plan capacity for your Exadata systems.

NO.50 Why do dedicated Vantage points matter? Select two reasons that apply.? (Choose two.)
* Test internal customer applications
* Applications on-premise or on secured network cannot be tested from a public Vantage Point
* Applications on-premise or secured network can be tested from a public Vantage Point
* Test Deployment Manager and Scheduler

Explanation

Two reasons why dedicated Vantage points matter are:

* Test internal customer applications. Dedicated Vantage points are private Vantage points that you can deploy in your own network

or cloud environment. Dedicated Vantage points allow you to test internal customer applications that are not accessible from the public internet, such as intranet applications or applications behind a firewall.

* Applications on-premise or on secured network cannot be tested from a public Vantage Point. Public Vantage points are Vantage points that are hosted and managed by Oracle in various regions around the world. Public Vantage points allow you to test external customer applications that are accessible from the public internet, such as web applications or APIs. However, public Vantage points cannot test applications that are on-premise or on secured network, as they do not have access to those environments.

NO.51 You are working on a project to automate the deployment of Oracle Cloud Infrastructure (OCI) compute instances that are pre-configured with web services. As part of the deployment workflow, you also need to create a corresponding OCI object storage bucket bearing the same name as that of the compute instance.

Which of these TWO options can help you achieve this requirement? (Choose two.)
* OCI CLI command, ocios bucket create auto
* Cloud Agent Plugin for the compute instance
* Oracle Functions
* Service Connector Hub
* Events Service
Explanation

To create a corresponding OCI object storage bucket bearing the same name as that of the compute instance, you can use Oracle Functions and Service Connector Hub. Oracle Functions is a serverless platform that lets you create and run functions that respond to events. Service Connector Hub is a cloud message bus platform that lets you move data between OCI services. You can create a service connector that has Events as the source service and Functions as the target service. You can also specify a filter to select only the events related to compute instance creation (com.oraclecloud.computeapi.launchinstance.end). The function can then create an object storage bucket with the same name as the compute instance.

NO.52 Which Management Agent group allows the agent to upload data to the discovery service?
* Mgmt_agent_dynamic_group
* StackMonitoringAdminGrp
* AgentUsersGrp
* StackMonitoringViewerGrp
Explanation

The Management Agent group that allows the agent to upload data to the discovery service is AgentUsersGrp.

AgentUsersGrp is a predefined dynamic group that contains all the Management Agents in your tenancy. You need to attach a policy to this group that grants the permission to upload data to the discovery service endpoint.

NO.53 You need to find the Log Group from a Log line using Oracle Cloud Infrastructure (OCI) Logging Service.

Which section within a Log contains the Log Group’s OCID?
* Oracle section
* Source Section
* Data section
* Unified Envelope
Explanation

The section within a Log that contains the Log Group’s OCID is Unified Envelope. Unified Envelope is a standard format that wraps around any log record collected by Logging Service. Unified Envelope contains metadata about the log record, such as

timeCreated, compartmentId, logGroupId, or source. The logGroupId field contains the OCID of the Log Group that the log record belongs to.

NO.54 Which TWO resources can be monitored by Stack Monitoring? (Choose two.)
* Virtual Cloud Networks
* Object Storage Buckets
* Oracle External Databases
* WebLogic Servers

Explanation

Stack Monitoring can monitor Oracle External Databases and WebLogic Servers as resources. Stack Monitoring is a feature of Application Performance Monitoring that allows you to monitor the performance and availability of your entire application stack, including databases, servers, containers, and functions. You can create custom stacks by selecting the resources that you want to monitor and view their metrics, alerts, and topology in a single dashboard. For more information, see Stack Monitoring.

NO.55 Which of the following capabilities does the performance management feature of Database Management Services offer to a managed database?
* Visualizes and performs trend analysis from AWR data to detect issues using AWR explorer
* Automatically invokes full stats gathering of objects to improve performance of regressed SQLS
* Dynamically modifies database initialization parameters to improve performance

Explanation

The performance management feature of Database Management Services offers the capability to visualize and perform trend analysis from AWR data to detect issues using AWR explorer. AWR explorer is a tool that lets you view and analyze the Automatic Workload Repository (AWR) data from your databases. You can use AWR explorer to compare performance across different time periods, identify performance bottlenecks, and troubleshoot issues.

NO.56 Which TWO functions does the Trace Explorer allowyou to do in Application Performance Monitoring (APM)? (Choose two.)
* View the details of specific spans
* Select pre-defined queries for common use cases
* Display status of monitored systems
* Define custom metrics for traces

Explanation

Two functions that the Trace Explorer allows you to do in APM are:

* View the details of specific spans. Trace Explorer is a tool that lets you view and analyze the traces and spans collected by APM. You can use Trace Explorer to drill down into the details of specific spans, such as duration, status, tags, logs, and errors.

* Select pre-defined queries for common use cases. Trace Explorer also provides a set of pre-defined queries that can help you find traces and spans based on common use cases, such as slowest traces, error traces, or traces by service name.

NO.57 What are the TWO benefits of Observability Lakehouse in Operations Insights? (Choose two.)
* Provides data based on a statistical analysis of AI data
* Allows Oracle Enterprise Manager’s operations data for various use-cases
* Identifies future resource usage Oracle Cloud
* Enables custom analytics such as trending, forecasting, capacity planning, workload characterizations

Explanation

Two benefits of Observability Lakehouse in Operations Insights are:

Allows Oracle Enterprise Manager’s operations data for various use-cases. Observability Lakehouse is a data lake that stores and analyzes operational data from different sources, such as Oracle Enterprise Manager, Oracle Cloud Infrastructure, and Autonomous Database. You can use Observability Lakehouse to access and query your operations data for various use-cases, such as performance analysis, capacity planning, anomaly detection, and root cause analysis.

* Enables custom analytics such as trending, forecasting, capacity planning, workload characterizations.

Observability Lakehouse provides a rich set of analytical functions and tools that let you perform custom analytics on your operations data. You can use Observability Lakehouse to create trends, forecasts, capacity plans, workload profiles, and other insights that can help you optimize your operations and performance.

NO.58 Your team has been tasked with debugging a Cloud Native application developed using the following Oracle Cloud Infrastructure (OCI) services: Object Storage, Events, Functions, API Gateway, and Autonomous Database. Which of these is NOT a valid option fortroubleshooting issues in OCI?
* View service metric information from the OCI Monitoring service.
* Configure the application to send logs into OCI Logging service.
* Leverage OCI Cloud Guard to extract and visualizedebug logs generated by your application.
* Configure a Service Connector to automatically send logs into the OCI Logging Analytics service.
* Trace performance issues in OCI Application Performance Monitoring service by enabling Function traces.
Explanation

An invalid option for troubleshooting issues in OCI is to leverage OCI Cloud Guard to extract and visualize debug logs generated by your application. OCI Cloud Guard is a service that provides security posture management and threat detection for your OCI resources. Cloud Guard does not extract or visualize debug logs generated by your application. To troubleshoot issues using debug logs, you can use OCI Logging or Logging Analytics services.