

## Exam Questions 350-901

Developing Applications using Cisco Core Platforms & APIs

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#### NEW QUESTION 1

An organization manages a large cloud-deployed application that employs a microservices architecture. No notable issues occur with downtime because the services of this application are redundantly deployed over three or more data center regions. However, several times a week reports are received about application slowness. The container orchestration logs show faults in a variety of containers that cause them to fail and then spin up brand new. Which action must be taken to improve the resiliency design of the application while maintaining current scale?

- A. Update the base image of the containers.
- B. Test the execution of the application with another cloud services platform.
- C. Increase the number of containers running per service.
- D. Add consistent “try/catch(exception)” clauses to the code.

**Answer:** D

#### NEW QUESTION 2

How should a web application be designed to work on a platform where up to 1000 requests per second can be served?

- A. Use algorithms like random early detection to deny excessive requests.
- B. Set a per-user limit (for example, 5 requests/minute/user) and deny the requests from the users who have reached the limit.
- C. Only 1000 user connections are allowed; further connections are denied so that all connected users can be served.
- D. All requests are saved and processed one by one so that all users can be served eventually.

**Answer:** D

#### NEW QUESTION 3

An organization manages a large cloud-deployed application that employs a microservices architecture across multiple data centers. Reports have received about application slowness. The container orchestration logs show that faults have been raised in a variety of containers that caused them to fail and then spin up brand new instances.

Which two actions can improve the design of the application to identify the faults? (Choose two.)

- A. Automatically pull out the container that fails the most over a time period.
- B. Implement a tagging methodology that follows the application execution from service to service.
- C. Add logging on exception and provide immediate notification.
- D. Do a write to the datastore every time there is an application failure.
- E. Implement an SNMP logging system with alerts in case a network link is slow.

**Answer:** BC

#### NEW QUESTION 4

An application is hosted on Google Kubernetes Engine. A new JavaScript module is created to work with the existing application. Which task is mandatory to make the code ready to deploy?

- A. Create a Dockerfile for the code base.
- B. Rewrite the code in Python.
- C. Build a wrapper for the code to “containerize” it.
- D. Rebase the code from the upstream git repo.

**Answer:** D

#### NEW QUESTION 5

Which database type should be used with highly structured data and provides support for ACID transactions?

- A. time series
- B. document
- C. graph
- D. relational

**Answer:** D

#### NEW QUESTION 6

Which two statements about a stateless application are true? (Choose two.)

- A. Different requests can be processed by different servers.
- B. Requests are based only on information relayed with each request.
- C. Information about earlier requests must be kept and must be accessible.
- D. The same server must be used to process all requests that are linked to the same state.
- E. No state information can be shared across servers.

**Answer:** AB

#### NEW QUESTION 7

Refer to the exhibit. Which two functions are performed by the load balancer when it handles traffic originating from the Internet destined to an application hosted on the file server farm? (Choose two.)

- A. Terminate the TLS over the UDP connection from the router and originate an HTTPS connection to the selected server.

- B. Terminate the TLS over the UDP connection from the router and originate an HTTP connection to the selected server.
- C. Terminate the TLS over the TCP connection from the router and originate an HTTP connection to the selected server.
- D. Terminate the TLS over the TCP connection from the router and originate an HTTPS connection to the selected server.
- E. Terminate the TLS over the SCTP connection from the router and originate an HTTPS connection to the selected server.

**Answer:** DE

**NEW QUESTION 8**

DRAG DROP

Refer to the exhibit. Drag and drop the steps from the left into the correct order of operation on the right for a successful OAuth2 three-legged authorization code grant flow.

Select and Place:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**NEW QUESTION 9**

Which two methods are API security best practices? (Choose two.)

- A. Use tokens after the identity of a client has been established.
- B. Use the same operating system throughout the infrastructure.
- C. Use encryption and signatures to secure data.
- D. Use basic auth credentials over all internal API interactions.
- E. Use cloud hosting services to manage security configuration.

**Answer:** AC

#### NEW QUESTION 10

An Etag header is included in the HTTP response for an API resource. What are two benefits of using the value of the Etag for future interactions involving the same API resource? (Choose two.)

- A. caching and optimization of response payloads
- B. creating conditional requests
- C. categorizing and comparing this API resource with others
- D. checking the integrity of the resource
- E. requesting the list of operations authorized for this resource

**Answer:** AB

#### NEW QUESTION 10

Refer to the exhibit. This snippet of a script has recently started exiting abnormally with an exception stating "Unexpected HTTP Response code: 429". Which solution handles rate limiting by the remote API?

- A.
- B.
- C.
- D.

**Answer:** D

#### NEW QUESTION 12

A container running a Python script is failing when it reaches the integration testing phase of the CI/CD process. The code has been reviewed thoroughly and the build process works on this container and all other containers pass unit and integration testing. What should be verified to resolve the issue?

- A. that the correct port is exposed in the Dockerfile
- B. that the necessary modules and packages are installed on build
- C. that the script is running from the right directory
- D. that the Python version of the container image is correct

**Answer:** B

#### NEW QUESTION 15

Click on the GET Resource button above to view resources that will help with this question.

An engineer is managing a DC with 6000 Cisco UCS servers installed and running. The engineer has been asked to identify all resources where the model is in the UCSB family and the available memory is less than or equal to 5 GB.

Which REST API call accomplishes this task?

- A. GET/api/v1/compute/RackUnits?\$select=Vendor,Model,Serial&\$filter=not(Model eq 'UCSC') and AvailableMemory le 5000
- B. GET/api/v1/compute/RackUnits?\$select=Vendor,Model,Serial&\$filter=Model eq 'UCSB' and AvailableMemory lt 5000
- C. GET/api/v1/compute/RackUnits?\$select=Vendor,Model,Serial&\$filter=contains(Model, UCSB') and AvailableMemory lt 5000
- D. GET/api/v1/compute/RackUnits?\$select=Vendor,Model,Serial&\$filter=contains(Model, UCSB') and AvailableMemory le 5000

Answer: D

#### NEW QUESTION 17

On a Cisco Catalyst 9300 Series Switch, the guest shell is being used to create a service within a container. Which change is needed to allow the service to have external access?

- A. Apply ip nat overload on VirtualPortGroup0.
- B. Apply ip nat inside on Interface VirtualPortGroup0.
- C. Apply ip nat outside on Interface VirtualPortGroup0.
- D. Apply ip nat inside on Interface GigabitEthernet1.

Answer: B

#### NEW QUESTION 20

Into which two areas are AppDynamics APIs categorized? (Choose two.)

- A. application-centric
- B. analytics-events
- C. database-visibility
- D. platform-side
- E. agent-side

Answer: DE

#### NEW QUESTION 21

There is a requirement to securely store unique usernames and passwords. Given a valid username, it is also required to validate that the password provided is correct. Which action accomplishes this task?

- A. Encrypt the username, hash the password, and store these values.
- B. Hash the username, hash the password, and store these values.
- C. Encrypt the username, encrypt the password, and store these values.
- D. Hash the username, encrypt the password, and store these values.

Answer: A

#### NEW QUESTION 24

A developer has just completed the configuration of an API that connects sensitive internal systems. Based on company policies, the security of the data is a high priority. Which approach must be taken to secure API keys and passwords?

- A. Embed them directly in the code.
- B. Store them in a hidden file.
- C. Store them inside the source tree of the application.
- D. Change them periodically.

Answer: D

#### NEW QUESTION 25

What is submitted when an SSL certificate is requested?

- A. PEM
- B. CRT
- C. DER
- D. CSR

Answer: D

#### NEW QUESTION 29

Which two statements describe advantages of static code analysis over unit tests? (Choose two.)

- A. It checks for potential tainted data where input is not checked.
- B. It enforces proper coding standards and style.
- C. It performs a quick analysis of whether tests will pass or fail when run.
- D. It checks for race conditions in threaded applications.
- E. It estimates the performance of the code when run.

Answer: BC

#### NEW QUESTION 33

Refer to the exhibit. Which additional line results in the output of Test 1 upon execution of the docker run --rm devnet 1 command in a Dockerfile with this content?

- A. CMD ["/bin/echo", "Test"]
- B. RUN ["/bin/echo", "Test"]
- C. ENTRYPOINT ["/bin/echo", "Test"]
- D. CMD ["/bin/echo Test"]

Answer: A

#### NEW QUESTION 38

Refer to the exhibit. A kubeconfig file to manage access to clusters is provided. How many clusters are defined and which of them are accessed using username/password authentication versus certificate?

- A. two clusters; scratch
- B. three clusters; scratch
- C. three clusters; development
- D. two clusters; development

Answer: C

#### NEW QUESTION 43

A heterogeneous network of vendors and device types needs automating for better efficiency and to enable future automated testing. The network consists of switches, routers, firewalls and load balancers from different vendors, however they all support the NETCONF/RESTCONF configuration standards and the YAML models with every feature the business requires. The business is looking for a buy versus build solution because they cannot dedicate engineering resources, and they need configuration diff and rollback functionality from day 1.

Which configuration management for automation tooling is needed for this solution?

- A. Ansible
- B. Ansible and Terraform
- C. NSO
- D. Terraform
- E. Ansible and NSO

Answer: E

#### NEW QUESTION 47

An automated solution is needed to configure VMs in numerous cloud provider environments to connect the environments to an SDWAN. The SDWAN edge VM is provided as an image in each of the relevant clouds and can be given an identity and all required configuration via cloud-init without needing to log into the VM once online.

Which configuration management and/or automation tooling is needed for this solution?

- A. Ansible
- B. Ansible and Terraform
- C. NSO
- D. Terraform
- E. Ansible and NSO

Answer: E

**NEW QUESTION 48**

Refer to the exhibit. The YAML represented is using the `ios_vrf` module. As part of the Ansible playbook workflow, what is the result when this task is run?

- A. VRFs not defined in the `host_vars` file are removed from the device.
- B. VRFs not defined in the `host_vars` file are added to the device, and any other VRFs on the device remain.
- C. VRFs defined in the `host_vars` file are removed from the device.
- D. VRFs are added to the device from the `host_vars` file, and any other VRFs on the device are removed.

**Answer: D**

**NEW QUESTION 51**

A developer needs to configure an environment to orchestrate and configure. Which two tools should be used for each task? (Choose two.)

- A. Puppet for orchestration
- B. Terraform for orchestration
- C. Terraform for configuration
- D. Ansible for orchestration
- E. Ansible for configuration

**Answer: BE**

**NEW QUESTION 54**

Refer to the exhibit. What is the output of this IOS-XE configuration program?

- A. interface operational status in IPv6 addresses
- B. interface administrative status in IPv4 addresses
- C. interface operational status in IPv4 addresses
- D. interface administrative status in IPv6 addresses

**Answer: D**

**NEW QUESTION 55**

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