

Cisco

Exam Questions 200-901

Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC)



NEW QUESTION 1

Drag and drop the network automation interfaces from the left onto the transport protocols that they support on the right. (Not all Options are used)



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Grpc == http/2 , netconfig == ssh , restconfig == https

NEW QUESTION 2

Which statement about authentication a RESTCONF API session with a router that runs Cisco IOS XE software is true?

- A. OAuth must be used.
- B. A token must be retrieved and the associated string must be embedded in the X-Auth-Token header.
- C. Basic authentication must be used.
- D. No authentication is required.

Answer: C

NEW QUESTION 3

What are two benefit of managing network configuration via APIs? (Choose two.)

- A. configuration on devices becomes less complex
- B. more security due to locking out manual device configuration
- C. increased scalability and consistency of network changes
- D. eliminates the need of legacy management protocols like SNMP
- E. reduction in network changes performed manually

Answer: CE

NEW QUESTION 4

Which way should be used to safely the API keys?

- A. In an environment variable unique to the system database
- B. Encrypted in a configuration file that is separate from the code
- C. Encrypted in the code in a function
- D. Plain text in the code as a constant

Answer: B

NEW QUESTION 5

A developer is writing an application that a REST API and the application requires a valid from the API which element of the response is used in the conditional check?

- A. URL
- B. Status code
- C. Link
- D. Body
- E. Headers

Answer: B

NEW QUESTION 6

Which two NETCONF operations cover the RESTCONF GET operation? (Choose two.)

- A. <get>
- B. <edit>
- C. <get-update>

- D. <modify-config>
- E. <get-config>

Answer: AE

NEW QUESTION 7

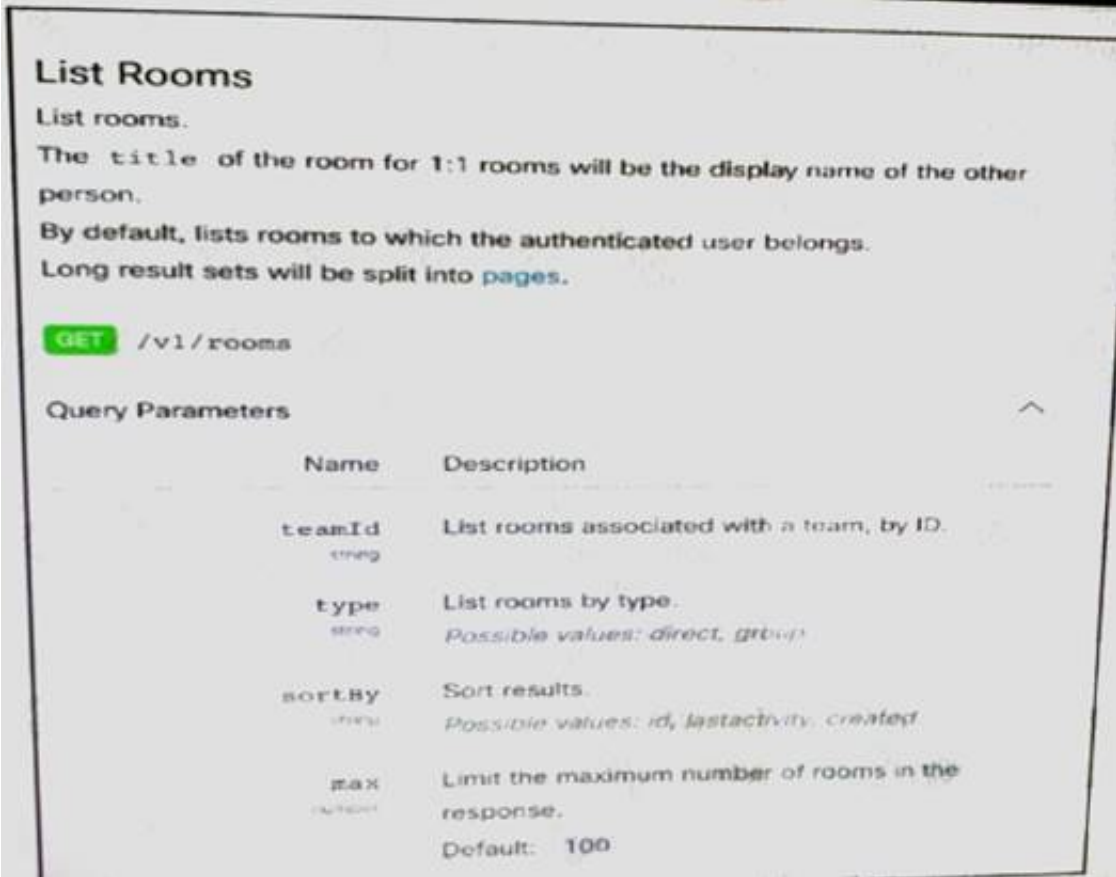
When using the Bash shell, how it the output of the devnet command saved to a tile named “output.txt”?

- A. devnet & output.txt
- B. devnet > output.txt
- C. devnet < output.txt
- D. devnet | output.txt

Answer: B

NEW QUESTION 8

Refer to the exhibit.



Fill in the blank to complete the query parameter and value so that the result set is returned in reverse chronological order (most recent first) based on when message were entered.

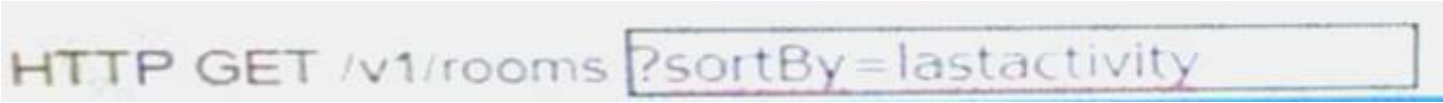


- A. Mastered
- B. Not Mastered

Answer: A

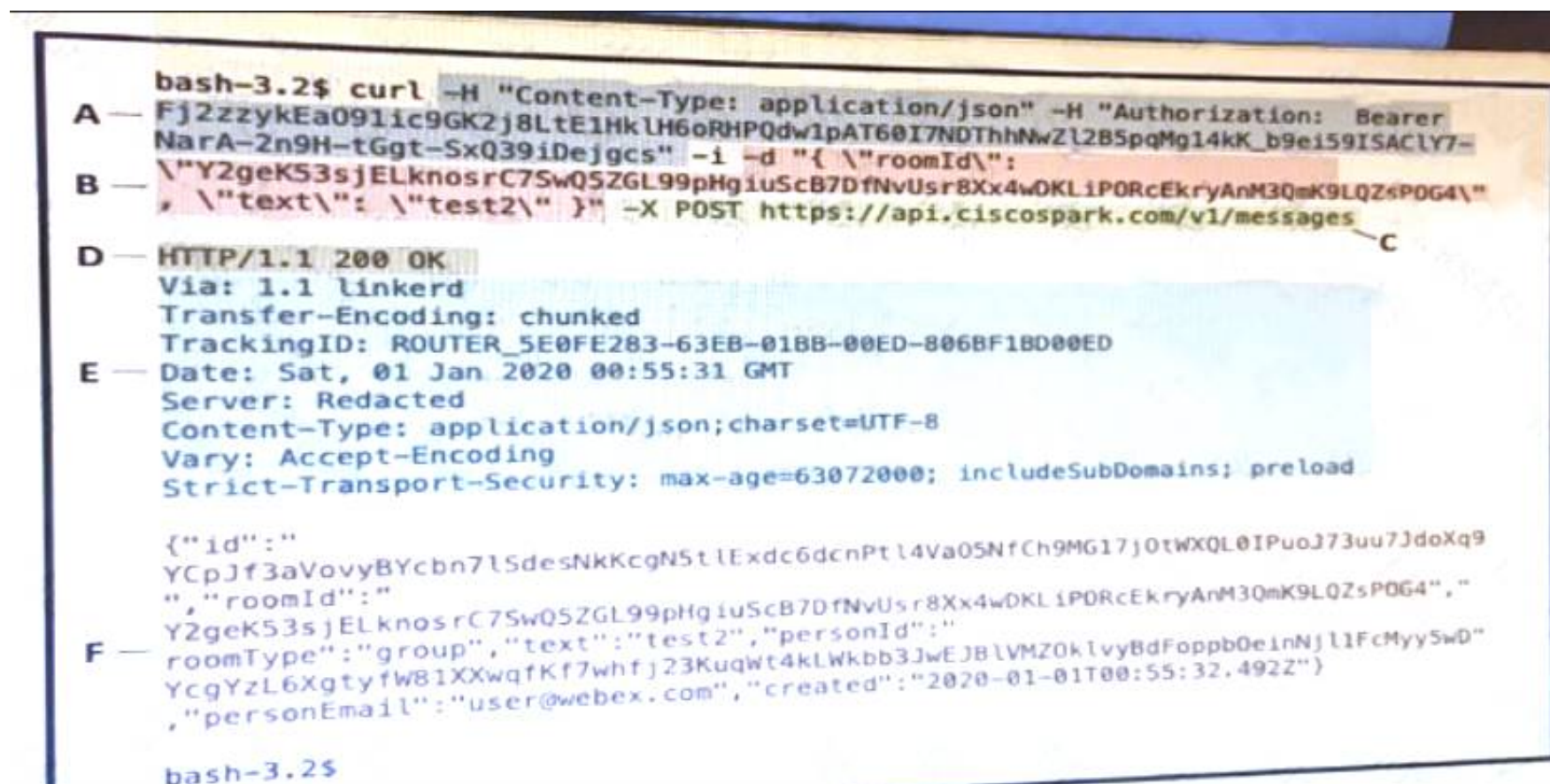
Explanation:

?sortBy=lastactivity



NEW QUESTION 9

Refer to the exhibit.



Drag and drop the descriptors from the left onto the correct parts of the API request and response on the right.

Response Headers	A
HTTP Request	B
HTTP Response	C
Request Payload	D
Request Headers	E
Response Payload	F

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A – E, B – D, C – B, D – C, E – A, F – F

NEW QUESTION 10

Which two types of NAT are used in a network? (Choose two.)

- A. Static NAT
- B. Normal NAT
- C. Multicast NAT
- D. Dynamic NAT
- E. Router NAT

Answer: AD

NEW QUESTION 10

What should a CI/CD pipeline aim to achieve?

- A. to allow manual testing before deployment
- B. to require minimal manual interaction
- C. to support new deployments on a fixed monthly schedule
- D. to provide a documented process for feedback

Answer: A

NEW QUESTION 14

On which port does NETCONF operate by default?

- A. 23
- B. 443
- C. 822
- D. 830

Answer: D

NEW QUESTION 18

Drag and drop the requests from the left into the correct order on the right to create and check the path trace between two devices using Cisco DNA center API.

GET /api/v1/flow-analysis/{flowAnalysisId}	Step 1
POST /api/v1/flow-analysis	Step 2
POST /api/system/v1/auth/token	Step 3
GET /api/v1/network-device/ and choose IP of source and destination devices	Step 4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1 – C, 2 – D, 3 – B, 4 - A

NEW QUESTION 22

Refer to the exhibit.

List Messages

Lists all messages in a room. Each message will include content attachments if present.
The list sorts the messages in descending order by creation date.
Long result sets will be split into pages.

GET /v1/messages

Query Parameters

roomId
string (required)
List messages in a room, by ID.

mentionedPeople
array
List messages with these people mentioned, by ID. Use as a shorthand for the current API user.

before
string
List messages sent before a date and time.

beforeMessage
string
List messages sent before a message, by ID

max
integer
Limit the maximum number of messages in the response.
Default: 50

try it Example

GET /v1/messages/:roomId,mentionedPeople,before,beforeMessage

Header

Authorization ☒ Use personal access token

Bearer

This limited-duration personal access token is hidden for your security.

Query Parameters

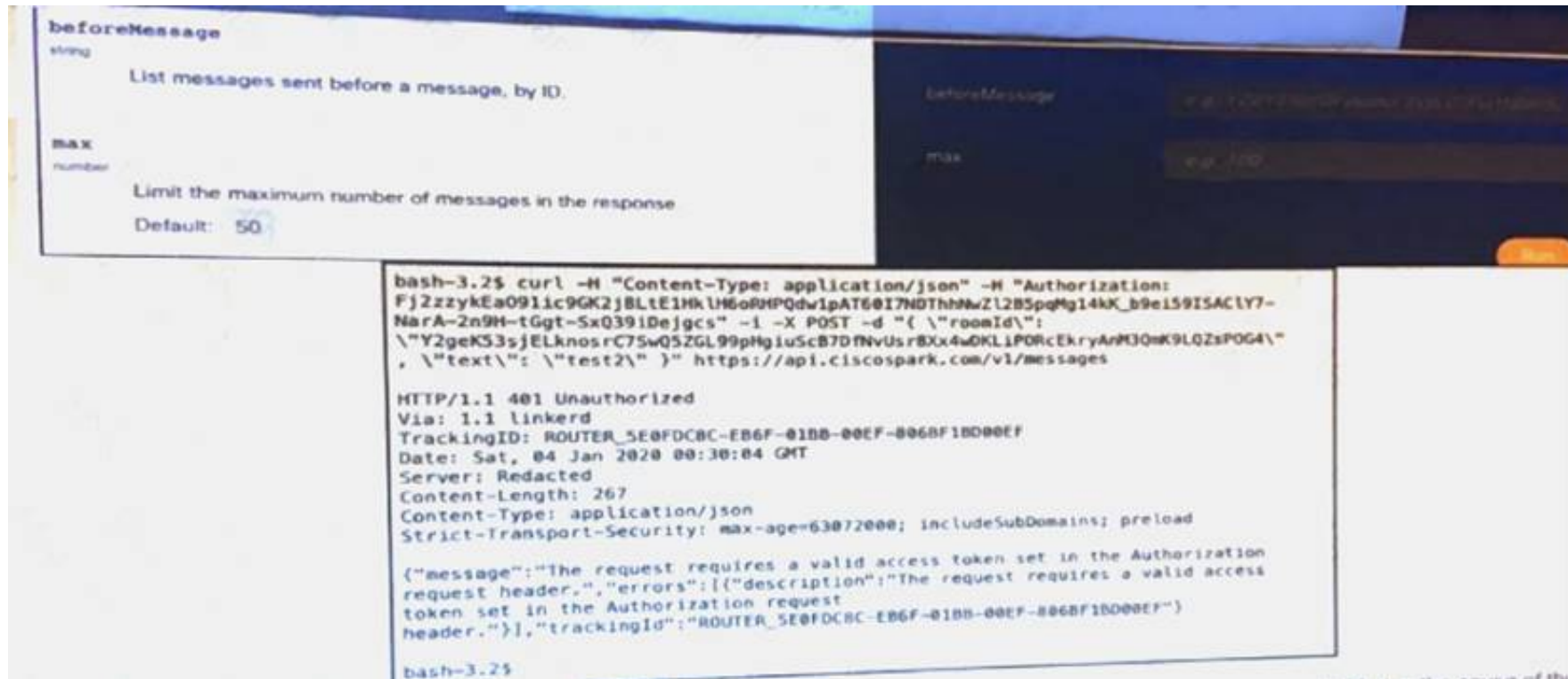
roomId

mentionedPeople

before

beforeMessage

max



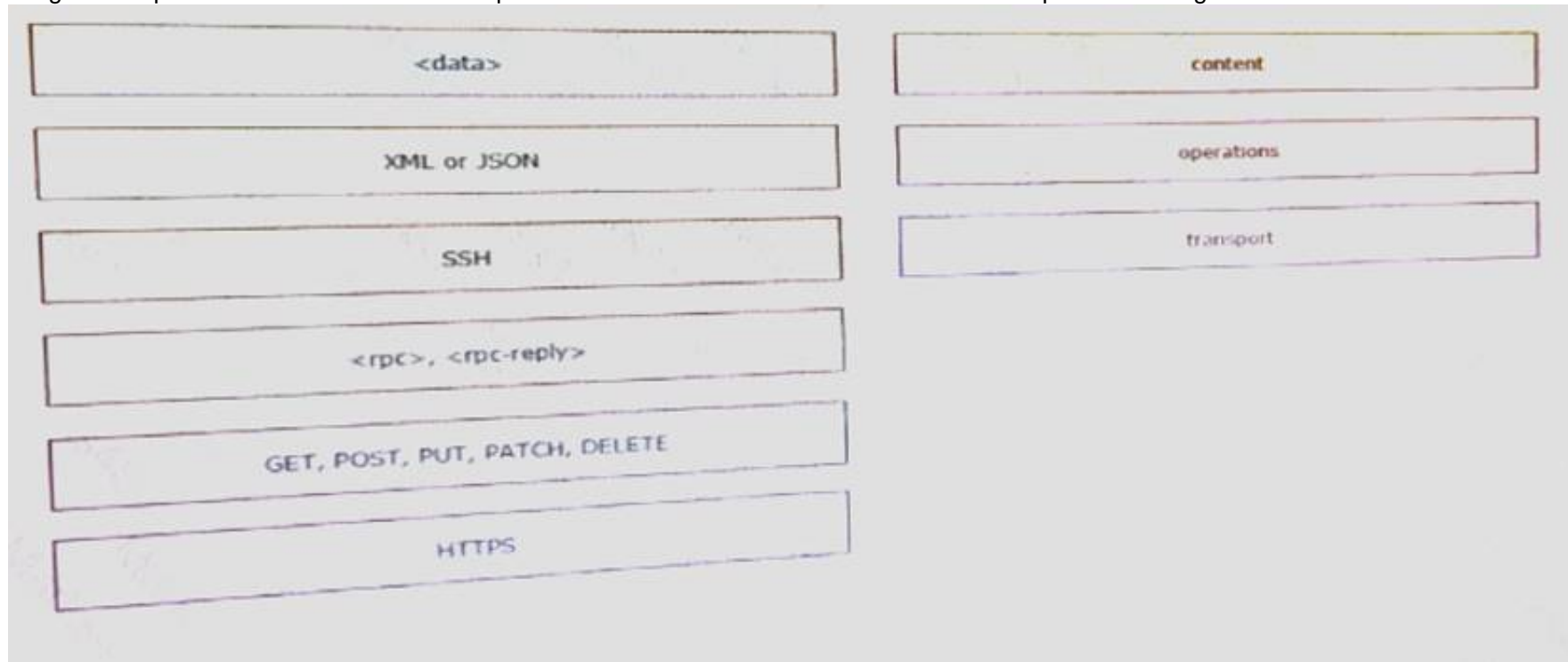
A developer is troubleshooting an API with the given API with the given API documentation and cURL command. What is the cause of this problem?

- A. The user is not allowed to post messages from their account
- B. The request body is missing or incomplete
- C. The API token specified is expired
- D. The authorization header is missing or incomplete

Answer: C

NEW QUESTION 24

Drag and drop elements of the RESTCONF protocol stack from the left onto the correct description on the right. Not all elements on the left are used.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1 – B, 2 – E, 3 - F

NEW QUESTION 26

Which two statements describe the advantages of using a version control system? (Choose two.)

- A. It allows for branching and merging so that different tasks are worked on in isolation before they are merged into a feature or master branch.
- B. It allows multiple engineers to work against the same code and configuration files and manage differences and conflicts.
- C. It provides tooling to automate application builds and infrastructure provisioning.
- D. It allows developers to write effective unit tests.
- E. It provides a system to track User Stories and allocate to backlogs.

Answer: AB

NEW QUESTION 31

Which device is a system that monitors and controls incoming and outgoing network traffic based on predetermined security rules?

- A. Switch

- B. Router
- C. Firewall
- D. Load balancer

Answer: C

NEW QUESTION 36

Which model-driven programmability protocol does Cisco IOS XE Software support?

- A. CORBA
- B. SSH
- C. gNMI
- D. SOAP

Answer: C

NEW QUESTION 37

Which mechanism is used to consume a RESTful API design when large amounts of data are returned?

- A. Data sets
- B. Scrolling
- C. Blobs
- D. Pagination

Answer: D

NEW QUESTION 40

Which two encoding formats do YANG interfaces support?

- A. JSON
- B. XML
- C. XHTML
- D. Plain text
- E. BER

Answer: AB

NEW QUESTION 42

Which detail is included in a routing table?

- A. IP protocol
- B. Broadcast address
- C. TCP or UDP port number
- D. Destination next hop or outgoing interface

Answer: D

NEW QUESTION 45

What are two security benefits of a Docker-based application?

- A. easier to patch because Docker containers include only dependencies that the application requires
- B. prevents information leakage that can occur when unhandled exceptions are returned in HTTP responses
- C. allows for separation of application that traditionally run in the same host
- D. natively secures access to secrets that are used by the running application
- E. guarantees container images are secured and free of vulnerabilities

Answer: AC

NEW QUESTION 46

A company has written a script that creates a log bundle from the Cisco DNA Center every day. The script runs without error and the bundles are produced. However, when the script is run during business hours, report poor voice quality of phones calls. What explains this behavior?

- A. The application is running in the Voice VLAN and causes delays and jitter in the subnet.
- B. The speed and duplex settings in Cisco DNA Center are set incorrectly, which causes the transfer to be too slow.
- C. 9 The script is written in a low-level programming language where there is no memory safety
- D. This causes a buffer overflow and disruption on the network.
- E. Generating the logs causes the CPU on the network controller to spike, which causes delays in forwarding the voice IP packets.

Answer: D

NEW QUESTION 48

Fill in the blanks to complete the statement.

Given a username of “devnet” And a password “Cisco123”, applications must create a base64 encoding of the string “_____” when sending HTTP requests to an API that uses _____ authentication.

Given a username of "devnet" and a password of "cisco123", applications must create a base64 encoding of the string "devnet:cisco123" when sending HTTP requests to an API that uses Basic authentication.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Given a username of "devnet" and a password of "cisco123", applications must create a base64 encoding of the string "devnet:cisco123" when sending HTTP requests to an API that uses Basic authentication.

NEW QUESTION 50

Drag and drop the Docker file instructions from the onto correct descriptions on the right. Not all options are used.

FROM ubuntu:12.04	informs Docker that the container listens on the specified network port(s) at runtime
VOLUME ["/var/www", "/var/log/apache2", "/etc/apache2"]	creates a mount point with the specified name
RUN apt-get update && apt-get install -y --force-yes apache2	configures a container that runs as an executable
ENTRYPOINT ["/usr/sbin/apache2ctl", "-D", "FOREGROUND"]	must be the first instruction in the Docker file
EXPOSE 1521	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1 – E, 2 – B, 3 – D, 4 – A

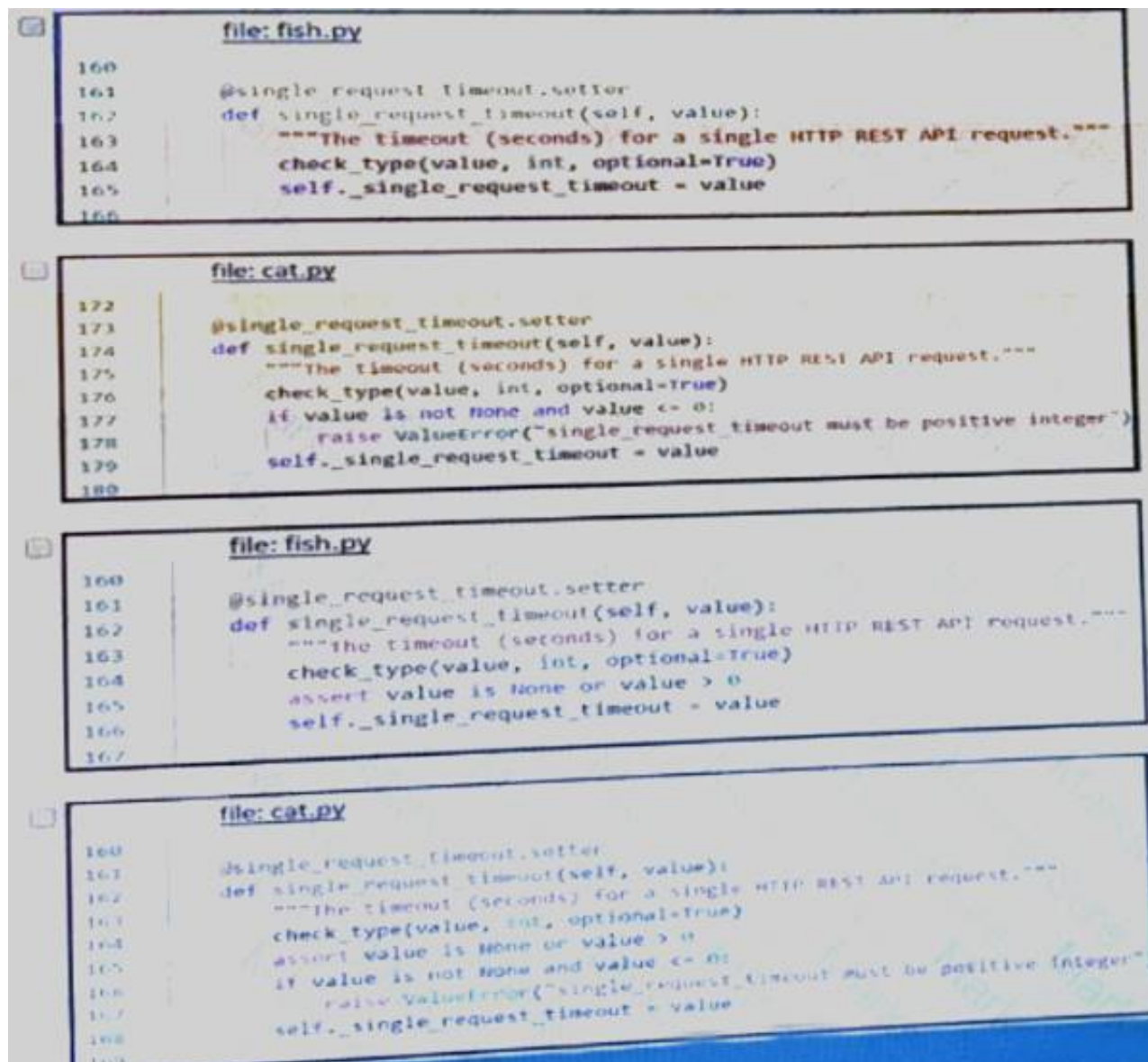
NEW QUESTION 52

Refer to the exhibit.

```
$ diff -u5 fish.py cat.py
--- fish.py      2020-01-02 09:41:02.840000000 +0100
+++ cat.py      2020-01-02 09:41:06.885999800 +0100
@@ -160,11 +160,12 @@
 
     @single_request_timeout.setter
     def single_request_timeout(self, value):
         """The timeout (seconds) for a single HTTP REST API request."""
         check_type(value, int, optional=True)
         assert value is None or value > 0
         if value is not None and value <= 0:
             raise ValueError("single_request_timeout must be positive integer")
         self._single_request_timeout = value

     @property
     def wait_on_rate_limit(self):
         """Automatic rate limit handling.
```

The output of a unified diff when comparing two versions of a python script is shown. Which two "single_request_timeout ()"



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

Answer: BC

NEW QUESTION 54

Package updates from a local server fail to download. However, the same updates work when a much slower external repository is used. Way are local updates failing?

- A. The update utility is trying to use a proxy to access the internal resource.
- B. The Internet connection is too slow.
- C. The Internet is down at the moment, which causes the local server to not be able to respond.
- D. The server is running out of disk space.

Answer: A

NEW QUESTION 58

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