



350-901^{Q&As}

Developing Applications Using Cisco Core Platforms and APIs
(DEVCOR)

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QUESTION 1

An application is made up of multiple microservices, each communicating via APIs. One service is beginning to be a bottleneck for the application because it can take a lot of time to complete requests. An engineer tried adding additional instances of this service behind the load balancer, but it did not have any effect. Which application design change must be implemented in this scenario?

- A. Move from synchronous to asynchronous interactions with the service and implement a message queue.
- B. Deploy an API gateway to centralize all inbound communication requests and offload authentication
- C. Vendor all dependencies into the service that is causing delays to remove external dependency checks.
- D. Leverage serverless architecture instead of containers to gain the advantage of event driven APIs.

Correct Answer: A

QUESTION 2

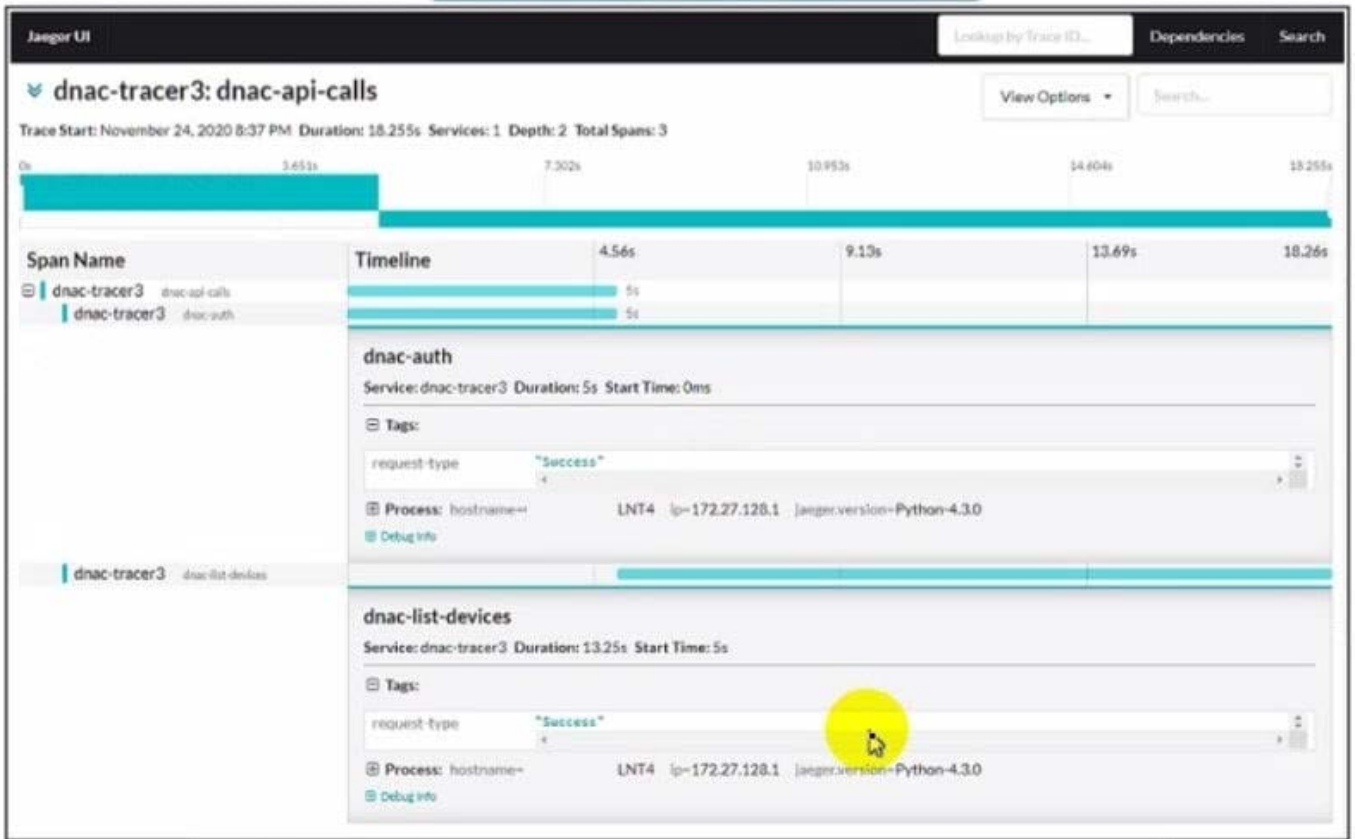
Why is end-to-end encryption deployed when exposing sensitive data through APIs?

- A. Traffic is encrypted and decrypted at every hop in the network path.
- B. Data transfers are untraceable from source to destination.
- C. Data cannot be read or modified other than by the true source and destination.
- D. Server-side encryption enables the destination to control data protection.

Correct Answer: C

QUESTION 3

Refer to the exhibit An application is developed to perform multiple API calls. The calls will be performed on the infrastructure devices Delays in the information transfer occur when the application is executed. What are two reasons for the issue? (Choose two)



```
1 def init_tracer(service):
2     logging.getLogger('').handlers = []
3     logging.basicConfig(format='%(message)s', level=logging.DEBUG)
4     config = Config(
5         config={'sampler': {'type': 'const', 'param': 1}, 'logging': True,},
6         service_name=service,)
7     return config.initialize_tracer()
8
9
10 tracer = init_tracer('dnac-tracer')
11 base_url = 'https://sandboxdnac.cisco.com/'
12
13 with tracer.start_span('dnac-api-calls') as span:
14     with tracer.start_span('dnac-auth', child_of=span) as site_span:
15         try:
16             dnac = DNACenterAPI(username='devnetuser', password='Cisco123!',
17                                 base_url=base_url, version='1.3.3',
18                                 verify=False)
19             print('auth passed')
20             site_span.set_tag('request-type', 'Success')
21         except Exception as e:
22             print('failed')
23             site_span.set_tag('request-type', e)
24
25 with tracer.start_span('dnac-list-devices', child_of=span) as site_span:
26     try:
27         devices = [dnac.devices.get_device_list() for device in devices]
28         print(devices)
29         site_span.set_tag('request-type', 'Success')
30     except Exception as e:
31         print('Failed to list devices')
32         site_span.set_tag('request-type', e)
```

- A. The list devices API call is failing and does not return a result
- B. Listing devices takes longer than usual due to high network latency
- C. One of the API calls takes roughly three times as long to complete
- D. The list devices API call is inefficient and should be refactored



E. The requests are being rate limited to prevent multiple calls causing the excessive load

Correct Answer: BC

QUESTION 4

Refer to the exhibit.

```
curl "http://localhost/api/[redacted]"
```

An application's REST API GET call is tested to the inventory database. Which missing code must be included to limit the number of values that are returned from the query to 20?

- A. inventory=20
- B. limit=?20
- C. inventory=limit?20
- D. inventory? limit20

Correct Answer: D

QUESTION 5

Which security approach should be used for developing a REST API?

- A. Use custom security relevant HTTP response codes
- B. Utilise TLS for end to end encryption
- C. Add an API key to each URL string
- D. Utilize CORS headers

Correct Answer: B