



Free Questions for 300-415

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Question 1

Question Type: MultipleChoice

Which set of elements are verified by the controller to confirm the identity of edge devices?

Options:

- A- certificates, organization name and serial number of the device
- B- organization name serial number and system IP of the device
- C- certificates, organization name, and vBond domain
- D- certificates, system IP, and vBond domain

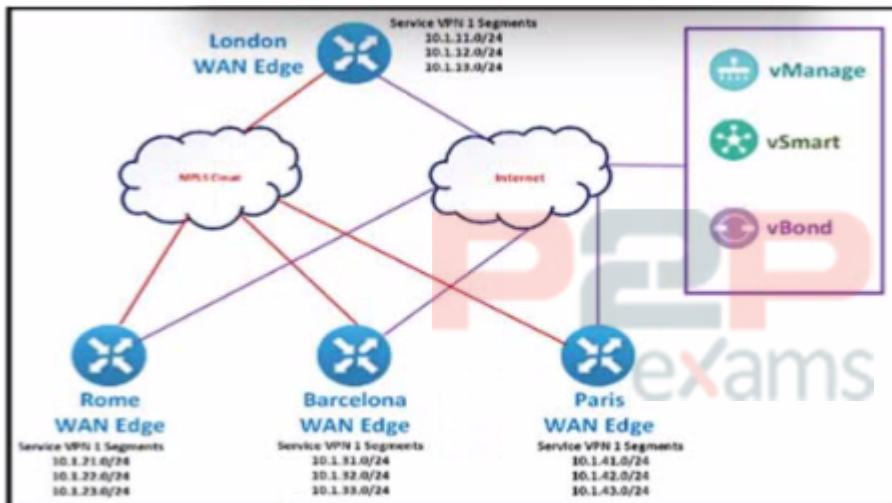
Answer:

A

Question 2

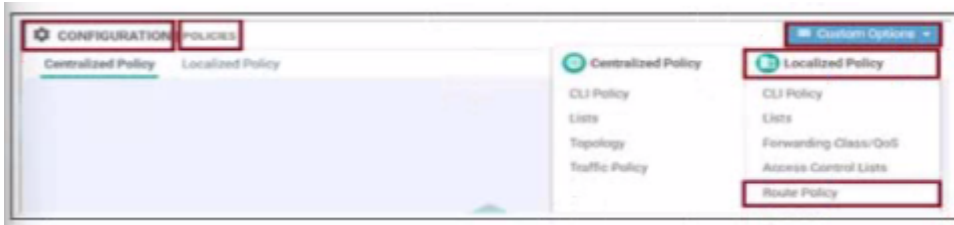
Question Type: MultipleChoice

Exhibit.



The SD-WAN network is configured with a default full-mesh topology. An engineer wants Barcelona and Paris to communicate to each other through the London site using a control Which control policy configuration accomplishes the task?

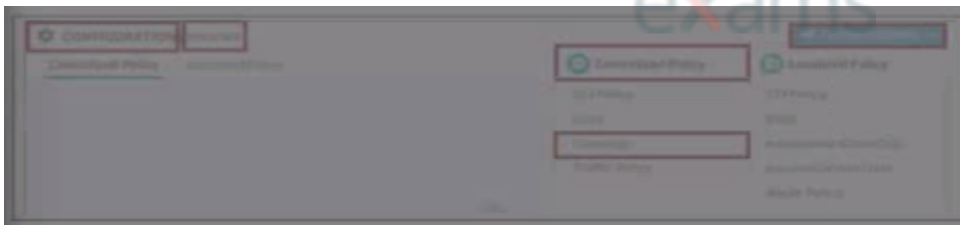
A)



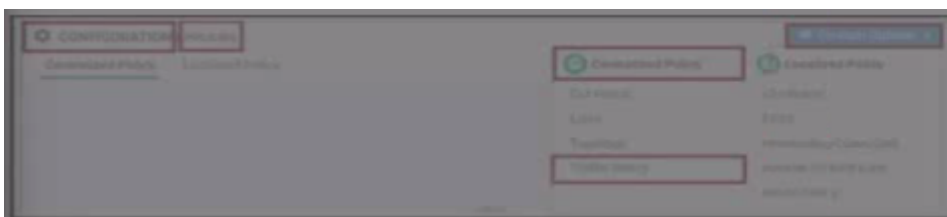
B)



C)



D)



Options:

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

Answer:

A

Explanation:

To achieve communication between Barcelona and Paris through the London site, a control policy needs to be configured to force traffic from these two sites to pass through the London site. This

setup involves manipulating the routing information such that London becomes a transit hub for traffic between Barcelona and Paris.

1.Understanding the Policy Requirements:

oCentralized Policy: This type of policy is applied at the controller level and affects multiple devices in the SD-WAN fabric. It allows the control of routing behavior across the entire network.

oRoute Policy: Specifically, a route policy will be used to set the preferred path for traffic between sites, ensuring that it passes through London.

1.Option Analysis:

oOption A: Shows the configuration of a centralized policy with a focus on route policy, which is necessary to achieve the desired traffic flow manipulation.

oOther Options: Do not provide the necessary centralized policy or route policy configurations that are needed to control the routing paths between the sites.

1.Configuration Details:

oCentralized Policy: Define the policy under the centralized policy section in the vManage GUI.

oRoute Policy: Create and apply a route policy that specifies the desired routing behavior for traffic between Barcelona and Paris, ensuring it routes through London.

1.Reference:

oCisco SD-WAN Control Policy Configuration Guide

Cisco SD-WAN Centralized Policy Documentation

Question 3

Question Type: MultipleChoice

Which TLOC color is used for site-to-site communication in a Google Cloud integration with Cisco SD-WAN?

Options:

A- Private1

B- private2

C- private3

D- private4

Answer:

A

Explanation:

In Cisco SD-WAN, TLOC (Transport Locator) colors are used to categorize and manage different types of transport networks. When integrating with cloud services such as Google Cloud, specific TLOC colors are designated for managing site-to-site communication within the cloud infrastructure.

1. TLOC Color Assignment:

oFor Google Cloud integration, Cisco SD-WAN uses specific TLOC colors to differentiate between various types of transport links and to ensure that traffic is routed appropriately between sites.

1. Private1 for Site-to-Site Communication:

oThe TLOC color private1 is specifically used for site-to-site communication within Google Cloud. This ensures that the traffic between different sites within the Google Cloud infrastructure is managed efficiently and securely.

1. Reference:

oCisco SD-WAN Cloud Integration Guide

oCisco SD-WAN Google Cloud Configuration Documentation

Question 4

Question Type: DragDrop

Drag and drop the alarm slates from the left onto the corresponding alarm descriptions on the right.

Critical (Red)	events that might diminish performance of network
Major (Yellow)	events that impair overlay network function
Medium (Blue)	events that affect operation of network function
Minor (Green)	events that might impair performance of network

Answer:

See the Answer in the Premium Version!

Explanation:

*Cisco SD-WAN Monitoring and Troubleshooting Guide

*Cisco vManage Alarm Severity Levels Documentation

Question 5

Question Type: MultipleChoice

Which configuration allows VPN 10 traffic to have direct internet access locally from the WAN Edge device?

A)

```

policy
data-policy DPI
vpn-list vpn10
sequence 10
!
action accept
nat use-vpn 0
default-action accept
!
cflowd-template CFLOWD
!
lists
vpn-list vpn10

vpn 10
!
site-list Remote
site-id 14
!
!
!
apply-policy
site-list Remote
data-policy DPI from-service
cflowd-template CFLOWD

vpn 10
ip route 0.0.0.0/0 vpn 0
  
```

B)

```

policy
data-policy DPI
vpn-list vpn10
sequence 10
!
action accept
!
default-action accept
!
cflowd-template CFLOWD
!
lists
vpn-list vpn10

vpn 10
!
site-list Remote
site-id 14
!
!
!
apply-policy
site-list Remote
data-policy DPI from-service
cflowd-template CFLOWD

vpn 0
ip route 0.0.0.0/0 vpn 10
  
```

C)

```

policy
 data-policy DPI
 vpn-list vpn10
 sequence 10
 |
 action drop
 |
 default-action
 |
 cflowd-template CFLOWD
 |
 lists
 vpn-list vpn10

vpn 10
 |
 site-list Remote
 site-id 14
 |
 |
 |
 apply-policy
 site-list Remote
 data-policy DPI from-service
 cflowd-template CFLOWD

vpn 10
 ip route 0.0.0.0/0 vpn 0

```

D)

```

policy
 data-policy DPI
 vpn-list vpn10
 sequence 10
 |
 action drop
 |
 default-action accept
 |
 cflowd-template CFLOWD
 |
 lists
 vpn-list vpn10

vpn 10
 |
 site-list Remote
 site-id 14
 |
 |
 |
 apply-policy
 site-list Remote
 data-policy DPI from-service
 cflowd-template CFLOWD

vpn 0
 ip route 0.0.0.0/0 vpn 10

```

Options:

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

Answer:

A

Explanation:

To allow VPN 10 traffic to have direct internet access locally from the WAN Edge device, the configuration must ensure that the traffic is routed correctly and that NAT (Network Address Translation) is applied to allow the traffic to exit to the internet.

1. Policy Configuration:

oNAT Use: The configuration should include a directive to use NAT for the specific VPN (VPN 10 in this case). This ensures that the traffic originating from VPN 10 can be translated and routed to the internet.

oApply Policy: The policy should be applied in the outbound direction to the appropriate interface that connects to the internet.

1.Option A Analysis:

oThis option includes the nat use-vpn 0 directive, which instructs the system to use NAT for traffic in VPN 10, allowing it to access the internet directly.

oThe apply-policy command is correctly used to apply the policy to the site list and the data-policy DPI from-service.

1.Reference:

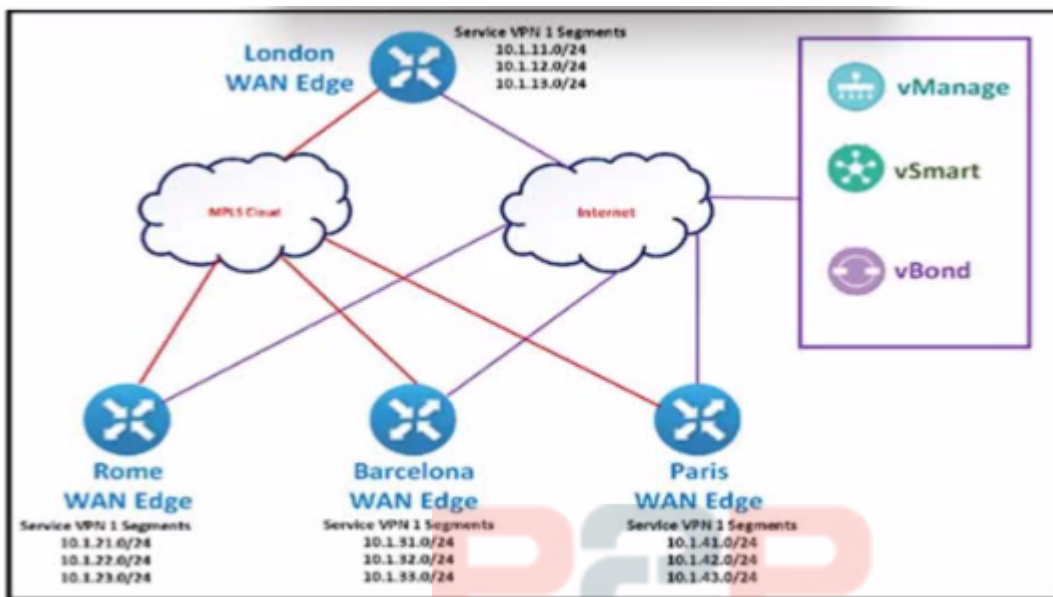
oCisco SD-WAN NAT Configuration Guide

Cisco SD-WAN Direct Internet Access (DIA) Configuration Documentation

Question 6

Question Type: MultipleChoice

Exhibit.



The SD-WAN network is configured with a default full-mesh topology. The network engineer wants the Rome WAN Edge to use the MPLS TLOC as the preferred TLOC when Telnet traffic as long as the MPLS link has these characteristics:

Loss: 5%

Latency: 100ms

Jitter: 100 ms

Which configuration must the network engineer use to create a list that classifies the MPLS link characteristics?

A)

Application
Color
Community
Data Prefix
Policer
Prefix
Site
App Probe Class
SLA Class
TLOC
VPN



B)

Application
Color
Community
Data Prefix
Policer
Prefix
Site
App Probe Class
SLA Class
TLOC
VPN



C)

Application
Color
Community
Data Prefix
Policer
Prefix
Site
App Probe Class
SLA Class
TLOC
VPN



D)

Application
Color
Community
Data Prefix
Policer
Prefix
Site
App Probe Class
SLA Class
TLOC
VPN



Options:

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

Answer:

C

Explanation:

* Configuration Analysis: The configurations provided in the images must be evaluated to determine which option correctly classifies the MPLS link based on the given criteria of loss, latency, and jitter.

* Preferred TLOC Configuration: The network engineer needs to configure the SD-WAN policy to prefer the MPLS transport for Telnet traffic, ensuring the link characteristics match the specified thresholds.

* Reference:

*Cisco SD-WAN Policy Configuration Guide

*Cisco SD-WAN Transport and TLOC Configuration Guide

*



Question 7

Question Type: MultipleChoice

Which queue must an engineer configure for control and BFD traffic for convergence on a WAN Edge router?

Options:

A- queue 0

B- queue 1

C- queue 2

D- queue 7

Answer:

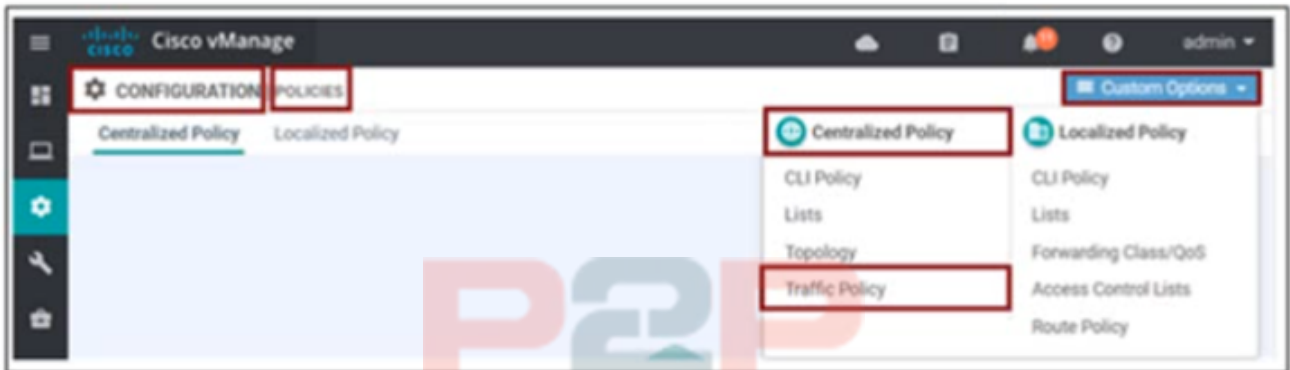
C

Question 8

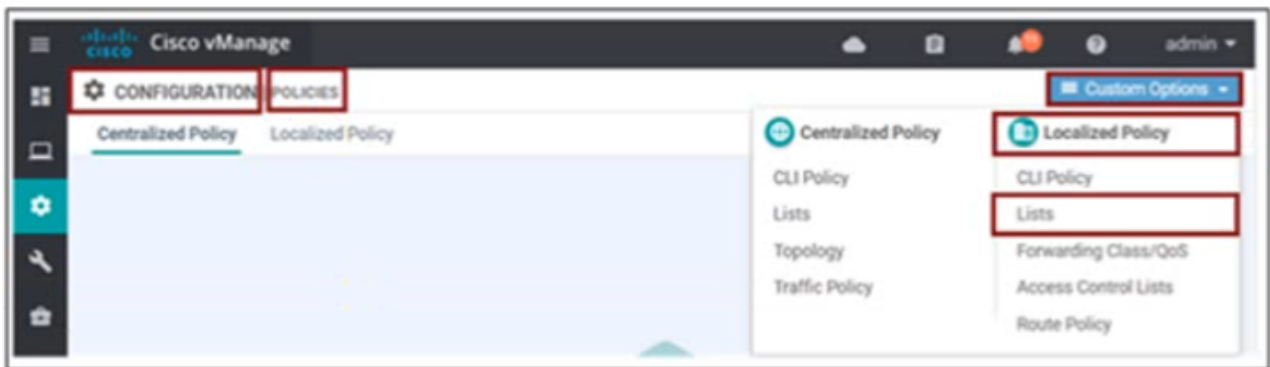
Question Type: MultipleChoice

An engineer must create a QoS policy by creating a class map and assigning it to the LLQ queue on a WAN Edge router Which configuration accomplishes the task?

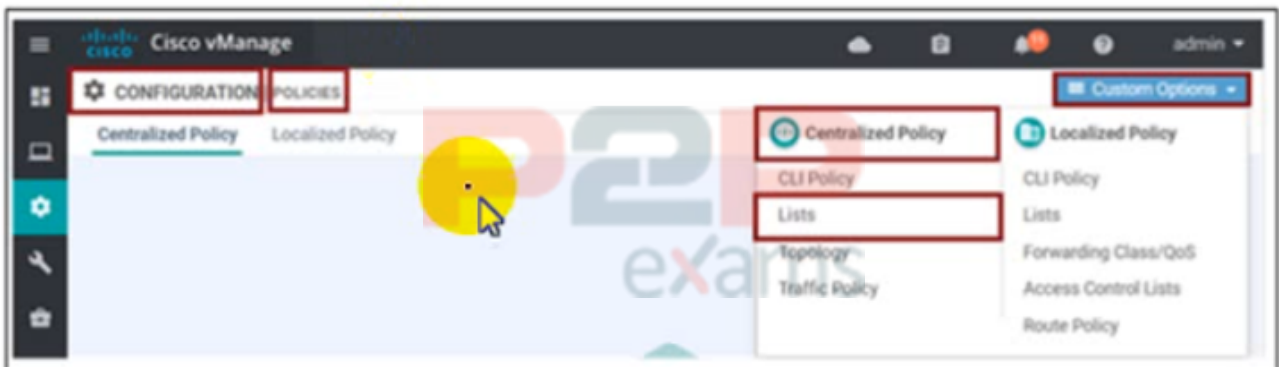
A)



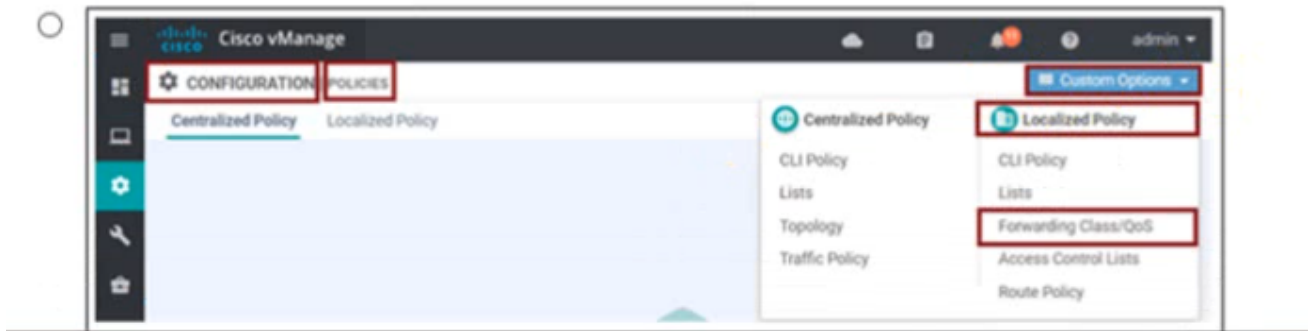
B)



C)



D)



Options:

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

Answer:

D

Question 9

Question Type: MultipleChoice

An enterprise needs DIA on some of its branches with a common location ID: A041:B70C:D78E::18 Which WAN Edge configuration meets the requirement?

A)

```
vpn 1
interface ge0/1
ip address 172.16.0.1/24
vpn 512
ip route 0.0.0.0/0 vpn 0
```

B)

```
vpn 1
ip route 0.0.0.0/0 vpn 1
interface ge0/0
ip address 172.16.0.1/24
nat
```

C)

```
vpn 0
interface ge0/0
ip address 172.16.0.1/24
nat
vpn 1
ip route 0.0.0.0/0 vpn 0
```

D)

```
vpn 0
ip route 0.0.0.0/0 vpn 0
vpn 1
interface ge0/1
ip address 172.16.0.1/24
nat
```



Options:

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

Answer:

C

Question 10

Question Type: MultipleChoice

Which data policy configuration influences BGP routing traffic flow from LAN to WAN?

A)

```
policy
route-policy BGP-AS-PREPEND
sequence 10
action accept
set
as-path prepend 10, 20
!
default-action accept

vpn 10
router
ospf
route-policy BG-AS-PREPEND in
```

B)

```
policy
route-policy BGP-AS-PREPEND
sequence 10
action deny
set
as-path prepend 10, 20
!
default-action accept

vpn 10
router
bgp
route-policy BG-AS-PREPEND out
```

C)

```
policy
route-policy BGP-AS-PREPEND
sequence 10
action accept
set
as-path prepend 10, 20
!
default-action accept

vpn 10
router
bgp
route-policy BG-AS-PREPEND out
```

The logo for P2P exams, featuring the letters 'P2P' in a large, stylized font with a red-to-blue gradient, and the word 'exams' in a smaller, grey font below it.

D)

```
policy
route-policy BGP-AS-PREPEND
sequence 10
action accept
set
as-path prepend 10, 20
!
default-action accept

vpn 10
router
bgp
route-policy BG-AS-PREPEND in
```

Options:

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

The logo for P2P exams, featuring the letters 'P2P' in a large, stylized font with a red-to-blue gradient, and the word 'exams' in a smaller, grey font below it.

Answer:

C

Explanation:

In Cisco SD-WAN, data policies can influence the routing traffic flow, particularly when using BGP (Border Gateway Protocol) to manage the traffic from the LAN to the WAN. This involves route manipulation techniques such as AS-path prepending to influence path selection.

1.AS-Path Prepending:

oAS-path prepending is a technique used to manipulate the path selection process in BGP. By adding extra AS numbers to the AS-path attribute, you make a particular route less preferred.

oThis can be useful in directing traffic to take a different path by making certain routes appear longer.

1.Option C Analysis:

oPolicy Definition: The policy named BGP-AS-PREPEND includes a sequence that sets the AS-path to prepend the AS numbers 10 and 20.

oApplication: The policy is applied in the outbound direction of BGP, which means it will influence the BGP routes being advertised from the LAN to the WAN.

oThis ensures that the traffic flow from the LAN to the WAN is influenced by the AS-path prepending, making certain paths less preferred.

1.Reference:

oCisco SD-WAN Routing Configuration Guide

oCisco SD-WAN BGP Policy Configuration Documentation

Question 11

Question Type: MultipleChoice

What is a key element used in a vBond Orchestrator redundancy topology?

Options:

- A- fully qualified domain name
- B- DHCP server
- C- load-balancer with health probes
- D- stun server

Answer:

A

Explanation:

In Cisco SD-WAN architecture, the vBond Orchestrator plays a crucial role in the initial device onboarding and control plane security. Ensuring redundancy for vBond Orchestrators is essential for maintaining high availability and reliability in the SD-WAN network.

1. Fully Qualified Domain Name (FQDN): The use of an FQDN is a key element in vBond Orchestrator redundancy. By configuring multiple vBond Orchestrators with the same FQDN, the SD-WAN devices can resolve this domain name to different IP addresses corresponding to the different vBond Orchestrator instances. This allows for automatic failover and load balancing among the vBond Orchestrators.

1. Redundancy Mechanism: The DNS mechanism will resolve the FQDN to a list of IP addresses, and in case one vBond is unreachable, another can be contacted. This approach ensures continuous availability and redundancy without requiring manual reconfiguration of the devices.

1. Reference:

o Cisco SD-WAN Design Guide

o Cisco SD-WAN Configuration and Deployment Guide

Question 12

Question Type: MultipleChoice

What is the OMP graceful restart default value on vSmart controllers and WAN Edge routers?

Options:

- A- 21,600 seconds
- B- 43,200 seconds
- C- 86,400 seconds
- D- 604,800 seconds

Answer:

B

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