

# 300-510 Prüfungsressourcen: Implementing Cisco Service Provider Advanced Routing Solutions & 300-510 Reale Fragen

**2023**

**Exam: 300-510**  
**CCNP SPRI: Implementing Cisco Service Provider Advanced Routing Solutions**  
**Study Guide with Practice Questions & Labs**  
**First Edition**



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BONUS!!! Laden Sie die vollständige Version der DeutschPrüfung 300-510 Prüfungsfragen kostenlos herunter:  
<https://drive.google.com/open?id=1jgOTBvakOrys41wUZgZKGeWUkgx4x6Hs>

Zweifellos braucht die Vorbereitung der Cisco 300-510 Prüfung große Mühe. Aber diese Zertifizierungsprüfung zu bestehen bedeutet, dass Sie in IT-Gewerbe bessere Berufsperspektive besitzen. Deshalb was wir für Sie tun können ist, lassen Ihre Anstrengungen nicht umsonst geben. Die Wirkung und die Autorität der Cisco 300-510 Prüfungssoftware erwerbt die Anerkennung vieler Kunden. Solange Sie die demo kostenlos downloaden und probieren, können Sie es empfinden. Wir wollen Ihnen mit allen Kräften helfen, Die Cisco 300-510 zu bestehen!

Die Zertifizierungsprüfung deckt eine breite Palette von Themen im Zusammenhang mit den erweiterten Routing -Lösungen für den Dienstanbieter ab, einschließlich VPN -Dienste, Multicast -Routing, IPv6 -Routing und Netzwerkprogrammierbarkeit. Von den Kandidaten wird erwartet, dass sie diese Technologien ein tiefes Verständnis haben und ihre Fähigkeit demonstrieren, sie in realen Szenarien zu implementieren und zu beheben.

>> 300-510 Exam Fragen <<

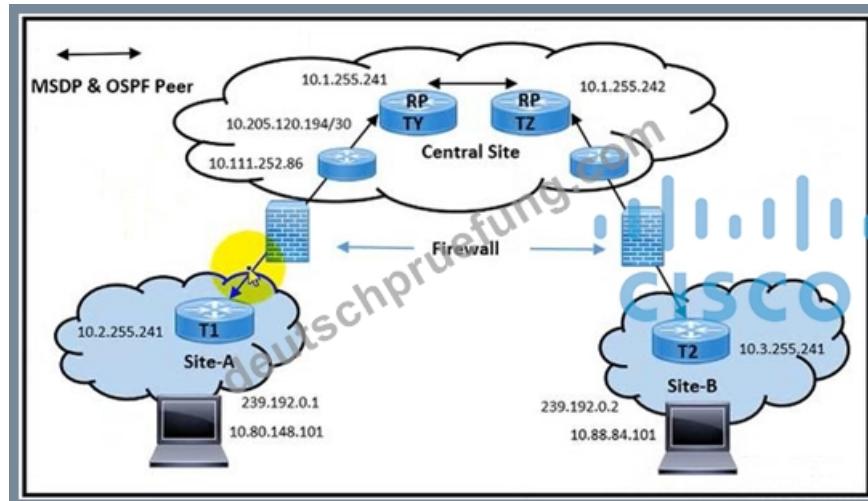
**300-510 Zertifikatsdemo - 300-510 Prüfungsmaterialien**

In der heutigen konkurrenzfähigen IT-Branche können Sie mit IT-Zertifikaten Schritt für Schritt befördert werden. Viele Firmen würden Ihnen einen Berufsaufstieg oder die Gehaltserhöhung laut dem Goldgehalt Ihrer Zertifikate geben. Die Cisco 300-510 Zertifizierungsprüfung ist eine Prüfung von hohem Goldgehalt. Das Cisco 300-510 Zertifikat könnte die Bedürfnisse der hart arbeitenden IT-Fachleuten abdecken. DeutschPrüfung bietet Ihnen die zielgerichtete online Prüfungen zur 300-510 Zertifizierungsprüfung. Sie können im Internet teilweise die Prüfungsfragen und Antworten zur Cisco 300-510 Zertifizierungsprüfung kostenlos als Probe herunterladen.

## Cisco Implementing Cisco Service Provider Advanced Routing Solutions 300-510 Prüfungsfragen mit Lösungen (Q147-Q152):

### 147. Frage

Refer to the exhibit.



```
T2# show ip msdp sa-cache rejected-SA det read-only <snip>
86854209.328, (10.80.148.101, 239.192.0.1), RP: 10.2.255.241, Peer:
10.1.255.241, Reason: rpf-fail -> learned from central site RT1 but not
accepted (originated from site A RT1)
86854209.328, (10.88.84.101, 239.192.0.2), RP: 10.3.255.241, Peer:
10.1.255.241, Reason: rpf-fail -> learned from central site RT1 but not
accepted (originated from site B RT1)
```

```
T2# show ip rpf 10.1.255.241
RPF information for ? (10.1.255.241)
RPF interface: Vlan10
RPF neighbor: ? (10.111.254.9)
RPF route/mask: 10.1.255.241/32
RPF type: unicast (ospf 15)
Doing distance-preferred lookups across tables
RPF topology: ipv4 multicast base, originated from ipv4 unicast base
```

```
T2# show ip route 10.1.255.241
Routing Table: CENT1
Routing entry for 10.1.255.241/32
Known via "ospf 15", distance 110, metric 3, type intra area
Last update from 10.111.254.9 on Vlan10, 1d22h ago
Routing Descriptor Blocks:
* 10.111.254.9 from 10.2.255.241, 1d22h ago, via Vlan10
Route metric is 3, traffic share count is 1
```

```

TY# sh ip msdp sa-cache
MSDP Source-Active Cache - 2 entries
(10.80.148.101, 239.192.0.1), RP 10.2.255.241, AS ?, 1d23h/00:05:42, Peer
10.2.255.241 -> learned from RT1 at site A (which is 10.2.255.241)
(10.88.84.101, 239.192.0.2), RP 10.3.255.241, AS ?, 1d21h/00:05:31, Peer
10.3.255.241 -> learned from RT1 at site B (which is 10.3.255.241)

TY# sh ip rpf 10.2.255.241
RPF information for ? (10.2.255.241)
RPF interface: Fo9/1.1035
RPF neighbor: ? (10.111.252.86)
RPF route/mask: 10.2.255.241/32
RPF type: unicast (ospf 15)
Doing distance-preferred lookups across tables
RPF topology: ipv4 multicast base, originated from ipv4 unicast base
|
TY# sh ip route 10.2.255.241
Routing Table: CLNT1
Routing entry for 10.2.255.241/32
Known via "ospf 15", distance 110, metric 150, type extern 2, forward
metric 2
Last update from 10.111.252.86 on FortyGigabitEthernet9/1.1035, 04:06:26
ago
Routing Descriptor Blocks:
* 10.111.252.86, from 10.205.120.195, 04:06:26 ago, via
FortyGigabitEthernet9/1.1035
Route metric is 150, traffic share count is 1

```

Refer to the exhibit. Multicast traffic destined from T1 and T2 routers to RP routers works well. A network engineer observes problems with multicast traffic flows between Site-A and Site-B. Site-A users fail to receive multicast stream on Site-B via RPTY site, while Site-B users fail to receive multicast stream on Site-Avia RPTZ site. Which action must be implemented to resolve the issues?

- A. Allow the OSPF and MSDP packets on the firewall.
- B. Establish MDSP peering with interface IP subnet.
- C. Configure Site-A and Site-B in 10.80.14804
- D. Configure direct OSPF peering between Site-A and Site-B

**Antwort: A**

#### 148. Frage

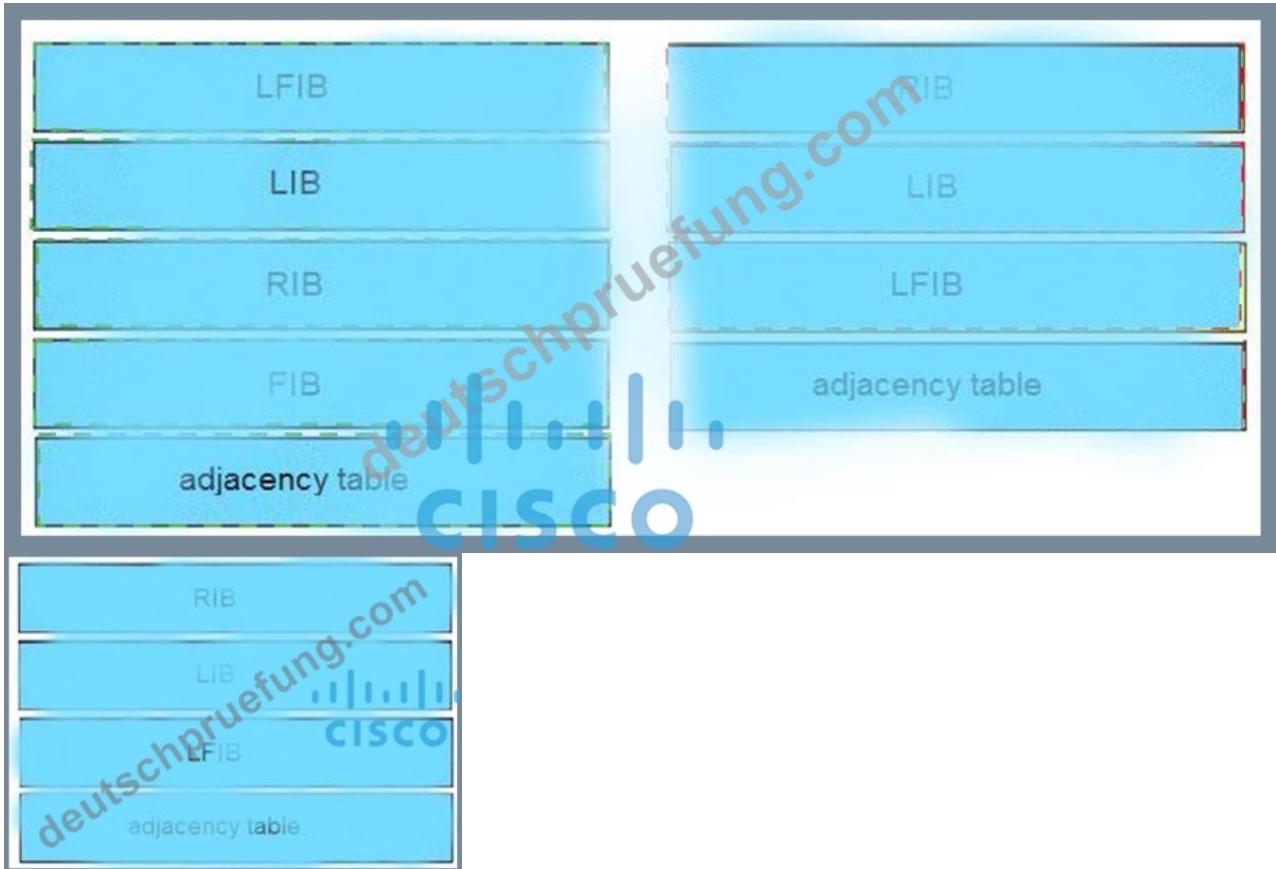
An engineer is troubleshooting end-to-end customer traffic across an MPLS VPN service provider network.

Which tasks should the engineer use to solve the routing issues? Drag and drop the table types from the left onto the most useful troubleshooting tasks/router types on the right. (Not all options are used.)

|                 |  |
|-----------------|--|
| LFIB            | on the CE router to check for routing errors     |
| LIB             | on the P router to see LDP functionality         |
| RIB             | on PE and P router to verify expected forwarding |
| NE              | on VRF of the PE-CE connection                   |
| adjacency table |  |

**Antwort:**

Begründung:



**149. Frage**

Refer to the exhibit.

| R2#sh ip ospf neighbor |    |              |          |            |                 |           |
|------------------------|----|--------------|----------|------------|-----------------|-----------|
| Neighbor               | ID | Pri          | State    | Dead Time  | Address         | Interface |
| 10.1.3.3               | 1  | FULL/BDR     | 00:00:37 | 10.1.234.3 | Ethernet0/0.234 |           |
| 10.1.4.4               | 1  | FULL/DR      | 00:00:35 | 10.1.234.4 | Ethernet0/0.234 |           |
| 10.1.5.5               | 1  | 2WAY/DROTHER | 00:00:35 | 10.1.234.5 | Ethernet0/0.234 |           |

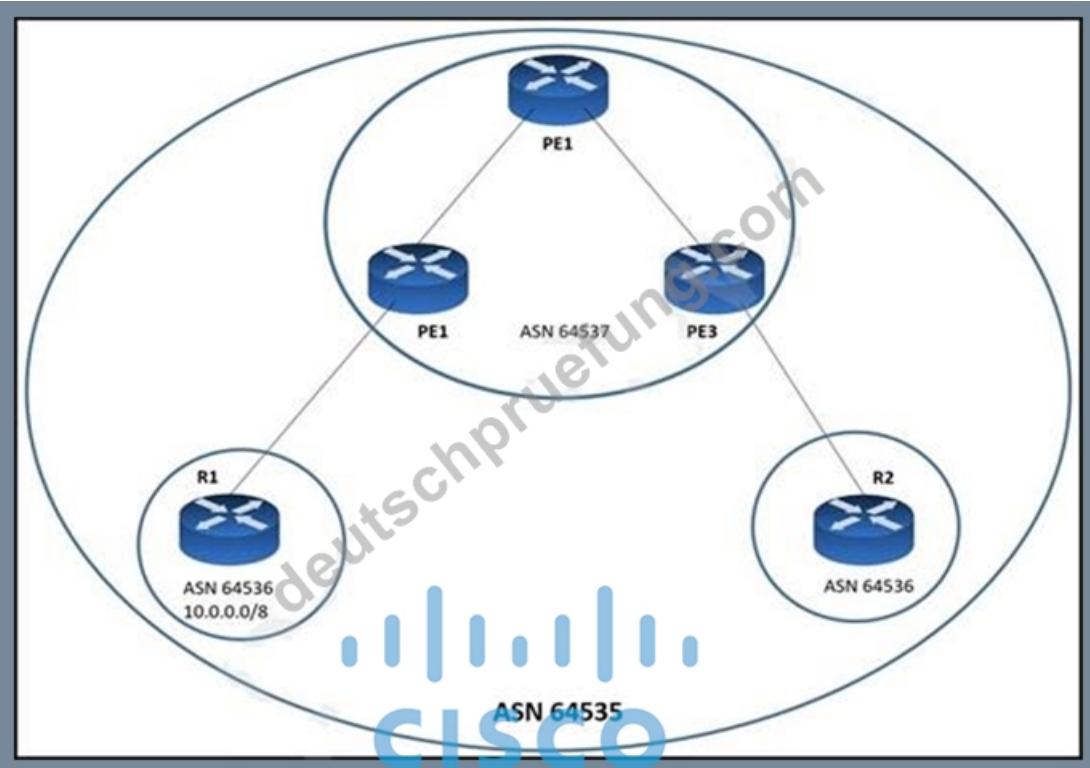
Why is neighbor 10.1.5.5 stuck in "2WAY" state?

- A. It is an expected behavior when OSPF network type is broadcast
- B. OSPF authentication has failed between R2 and 10.1.5.5
- C. Router ID 10.1.5.5 is not reachable from R2
- D. OSPF parameters (Area ID or hello interval) are mismatched between R2 and 10.1.5.5

**Antwort: A**

**150. Frage**

Refer to the exhibit.



A network engineer has divided AS into confederations. Due to repeated ASN, when the 10.0 0.0/8 prefix from R1 arrives to R2, BGP automatically rejects it. What should the engineer do to fix the problem so that BGP allows that prefix on R2?

- A. Configure the command `allowas-in` on all the PE routers.
- B. Configure the command `allowas-in` on R2.**
- C. Configure the command `as-override` on R1.
- D. Configure the command `as-override` on R2.

**Antwort: B**

### 151. Frage

Refer to the exhibit. Company A established BGP sessions with several ISPs. A network engineer at the company must filter out all traffic except for routes that transit AS 152. The engineer configured the filtering policy "permit \_152\$\_(0-9]" on R1, but after applying the configuration, the engineer notices that other routes are still visible. Which action resolves the issue?

```
R1>show ip bgp
BGP table version is 1986541, local router ID is 172.16.212.76
Status codes: s suppressed, d damped, h history, * valid, > best, i - internal
Origin codes: i - IGP, e - EGP, ? - incomplete

      Network          Next Hop          Metric LocPrf Weight Path
* > 11.21.10.0/24    172.16.211.4      0        0 3421 12131 152 i
* > 11.22.14.0/24    172.11.12.54      0        0 3421 15243 3242 35673 35673 i
* > 11.23.15.0/24    192.16.22.19      0        0 3421 15243 3242 35673 152 i
* > 11.24.16.0/24    17.1.212.79      0        0 3421 1345 4166 15298 35673 32451 i
* > 11.25.17.0/24    15.65.21.9       120      0 3421 1345 152 15298 35673 32451 i
* > 11.26.20.0/23    11.16.212.7      215      0 3421 2211 2214 2854 i
```

- A. Change the filtering policy to `ip as-path access-list 1 permit _152_`.**
- B. Change the filtering policy to `ip explicit-path 1 permit $152`

P.S. Kostenlose und neue 300-510 Prüfungsfragen sind auf Google Drive freigegeben von DeutschPrüfung verfügbar:  
<https://drive.google.com/open?id=1jgOTBvakOrys41wUZgZKGeWUkgx4x6Hs>