

# 300-540試験対策,更新された300-540問題集Designing and Implementing Cisco Service Provider Cloud Network Infrastructure



2026年ShikenPASSの最新300-540 PDFダンプおよび300-540試験エンジンの無料共有: <https://drive.google.com/open?id=1viCeDyZFGNpFSg7ibSTghE-3AqUyfDQm>

お客様に最も信頼性の高いバックアップを提供するという信念から当社の300-540試験問題を作成し、優れた結果により、試験受験者の機能に対する心を捉えました。練習資料は、3つのバージョンに分類できます。これらのバージョンの使用はすべて、彼らに受け入れられています。これらのバージョンの300-540模擬練習には大きな格差はありませんが、能力を強化し、レビュープロセスをスピードアップして試験に関する知識を習得するのに役立ちます。そのため、レビュープロセスは妨げられません。

## Cisco 300-540 認定試験の出題範囲:

| トピック   | 出題範囲                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| トピック 1 | <ul style="list-style-type: none"><li>• High Availability: This section of the exam measures the skills of Cloud Infrastructure Architects and covers the design and implementation of redundancy and resiliency mechanisms in virtualized network functions and distributed cloud platforms. It includes data plane redundancy for VNFs, high availability within a single VIM control plane, and resilient compute, vNIC, and top-of-rack switching. The exam requires an understanding of multi-homing, EVLAG configurations, virtual private cloud deployment, and ECMP strategies for NFVI integrations with physical routing protocols such as BGP, OSPF, and IS-IS. Candidates must also recommend suitable high-availability models involving DNS, routing, and load balancing.</li></ul> |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| トピック 2 | <ul style="list-style-type: none"> <li>• Service Assurance and Optimization: This section of the exam measures the skills of Cloud Operations Engineers and covers assurance mechanisms used to maintain performance, stability, and visibility across NFVI environments. It includes network assurance concepts such as MANO frameworks, VNF workload monitoring, VIM control plane KPIs, and streaming telemetry with gRPC and gNMI. Candidates must understand cloud infrastructure performance monitoring tools, including SR-PM, NetFlow, IPFIX, syslog, SNMP traps, RMON, cloud agents, and automated fault management systems. The domain also touches on diagnosing NFVI-related errors and optimizing VNFs using techniques such as SR-IOV and software-accelerated virtual switching technologies like DPDK and VPP.</li> </ul>                                                                                                                                                |
| トピック 3 | <ul style="list-style-type: none"> <li>• Virtualized Architecture: This section of the exam measures the skills of Cloud Network Engineers and covers the foundational concepts of virtualized infrastructures used in modern service provider and cloud environments. Candidates are expected to understand constraints in IaaS designs, determine appropriate cloud service models, and demonstrate awareness of container orchestration compared to traditional virtual machines. The exam also evaluates the ability to implement key virtualization functions such as NFV, VNF, NSO, and virtualized Cisco platforms. Learners must be able to deploy NFV with automation tools, manage VNF onboarding, work with NSO-driven orchestration, and use protocols like NETCONF, RESTCONF, REST APIs, and gNMI within automated cloud ecosystems. A general understanding of supporting platforms such as OpenStack also forms part of the required knowledge in this domain.</li> </ul> |
| トピック 4 | <ul style="list-style-type: none"> <li>• Cloud Interconnect: This section of the exam measures the skills of Service Provider Network Engineers and covers how large networks interconnect with cloud platforms and carrier-neutral facilities. Candidates are expected to understand various connectivity options to cloud providers, customer sites, and other neutral facilities, as well as evaluate WAN connectivity models such as direct connect, MPLS or segment routing, and IPsec VPN links. The domain also includes the ability to troubleshoot advanced data center interconnect solutions, including EVPN VXLAN, EVPN over SR</li> <li>• MPLS, ACI-based connectivity, and pseudowire architectures supporting cloud-to-cloud and cloud-to-edge communication.</li> </ul>                                                                                                                                                                                                  |
| トピック 5 | <ul style="list-style-type: none"> <li>• Security: This section of the exam measures the skills of Network Security Engineers and covers the implementation of infrastructure-level protection in cloud and NFVI ecosystems. It includes topics such as ACLs, uRPF, RTBH, router hardening, BGP flowspec, TACACS, and MACSEC. Candidates should understand DoS mitigation methods and apply security practices within NFVI, focusing on API protection, securing the control and management plane, and segmentation strategies in service provider cloud environments. The domain also evaluates basic knowledge of TLS, mTLS, and general cloud security solutions related to DNS protection, zero-day defenses, and malware detection.</li> </ul>                                                                                                                                                                                                                                      |

#### >> 300-540技術内容 <<

### 100%合格率の300-540技術内容一回合格-権威のある300-540トレーニングサンプル

この分野には多くの専門家や教授がいます。すべての人々の要求を満たすために、当社のこれらの優秀な専門家および教授は昼夜を問わず働いています。彼らはすべての人々のために当社から最高の300-540認定トレーニング教材を設計するために最善を尽くしました。学習資料により、すべての人がより効率的な方法で300-540試験の準備をすることができます。300-540学習教材がすべての人々に適し、学生、労働者、主婦などすべての人々の要求を満たすことを保証できます。

### Cisco Designing and Implementing Cisco Service Provider Cloud Network Infrastructure 認定 300-540 試験問題 (Q74-Q79):

#### 質問 # 74

The primary goal of implementing a virtual private cloud (VPC) is to:

- A. Decrease network security
- B. Simplify network management
- C. Reduce overall cloud costs

- D. Provide isolated network environments within a public cloud

正解: D

#### 質問 # 75

Automation in deploying NFV can reduce:

- A. The need for manual configuration
- B. Software-defined networking capabilities
- C. Network reliability
- D. The speed of service delivery

正解: A

#### 質問 # 76

SR-IOV technology improves network performance by:

- A. Decreasing the number of available network paths
- B. Increasing CPU utilization for network tasks
- C. Encrypting all data in transit
- D. Allowing VMs direct access to physical network interfaces

正解: D

#### 質問 # 77

An engineer must design a solution to provide safe channels between peer-to-peer devices, ensure that unauthorized users cannot break into the network, and ensure that listening devices on the Internet cannot intercept communication transmitted over the network. What must be used?

- A. AWS Direct Connect
- B. Segment routing
- C. Transit VPC for AWS
- D. IPsec VPN

正解: D

解説:

Comprehensive and Detailed Explanation (Cisco SP Cloud Knowledge)

The requirement describes:

- \* Secure communication between sites or devices
- \* Protection from eavesdropping over the Internet
- \* Cryptographic tunnels
- \* End-to-end authentication and encryption

This exactly matches the purpose of an IPsec VPN, which provides:

- \* Encrypted secure tunnels
- \* Authentication and integrity protection
- \* Confidentiality even across untrusted networks such as the Internet

Other options do not provide encrypted peer-to-peer channels:

- \* AWS Direct Connect# private link to AWS, not peer-to-peer encryption
- \* Segment Routing# traffic engineering, not security
- \* Transit VPC# routing architecture, not encryption

Thus the correct answer is IPsec VPN.

#### 質問 # 78

Software accelerated virtual switch technologies like DPDK and VPP aim to:

- 正解: C

• • • • •

**300-540トレーニングサンプル:** <https://www.shikenpass.com/300-540-shiken.html>

- P.S. ShikenPASSがGoogle Driveで共有している無料かつ新しい300-540ダンプ: <https://drive.google.com/open?id=1viCeDyZFGNpFSg7IbSTghE-3AqUyfDOm>