

300-540 Tests, 300-540 Prüfungs-Guide



P.S. Kostenlose und neue 300-540 Prüfungsfragen sind auf Google Drive freigegeben von Zertpruefung verfügbar:
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Die Schulungsunterlagen zur Cisco 300-540 Zertifizierungsprüfung aus unserem Zertpruefung kann Ihren Traum - die 300-540 Prüfung bestehen - verwirklichen, denn sie alle Dinge für den Durchlauf der Cisco 300-540 Zertifizierungsprüfung enthalten. Wählen Sie Zertpruefung, können sie bestimmt die Cisco 300-540 Zertifizierungsprüfung bestehen, so werden Sie auch ein Mitglied der Eliten im IT-Bereich. Worauf warten Sie? Bitte beeilen Sie sich!

Cisco 300-540 Prüfungsplan:

Thema	Einzelheiten
Thema 1	<ul style="list-style-type: none"> • 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 • MPLS, ACI-based connectivity, and pseudowire architectures supporting cloud-to-cloud and cloud-to-edge communication.
Thema 2	<ul style="list-style-type: none"> • 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.
Thema 3	<ul style="list-style-type: none"> • 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.

Thema 4	<ul style="list-style-type: none"> • 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.
Thema 5	<ul style="list-style-type: none"> • 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.

>> 300-540 Tests <<

300-540 Unterlagen mit echte Prüfungsfragen der Cisco Zertifizierung

Wie wir alle wissen, genießen die Dumps zur Cisco 300-540 Zertifizierungsprüfung von Zertpruefung einen guten Ruf und sind international berühmt. Wieso kann Zertpruefung so große Resonanz finden? Weil die Fragenkataloge zur Cisco 300-540 Zertifiziermg von Zertpruefung wirklich praktisch sind und Ihnen helfen können, gute Noten in der 300-540 Prüfung zu erzielen.

Cisco Designing and Implementing Cisco Service Provider Cloud Network Infrastructure 300-540 Prüfungsfragen mit Lösungen (Q33-Q38):

33. Frage

An engineer must design a pay-as-you-go solution for their partners. The solution must allow for rapid deployments, be flexible, and scale resources up or down in a hybrid workplace. What must be used?

- A. Cisco+ Hybrid Cloud for Virtualization
- **B. Cisco+ Hybrid Cloud for Virtual Desktop Infrastructure**
- C. Cisco+ Hybrid Cloud for Bare Metal Compute
- D. Cisco+ Hybrid Cloud for Service Provider Networking

Antwort: B

Begründung:

Comprehensive and Detailed Explanation From Exact Extract from my knowledge of Designing and Implementing Cisco Service Provider Cloud Network Infrastructure Outlines without Any External URL or Links:

Cisco+ Hybrid Cloud is Cisco's as-a-service consumption model that offers pay-as-you-go infrastructure. For a hybrid workplace, the focus is on giving users secure desktop environments from anywhere, with the ability to rapidly deploy and scale up or down based on the number of users or partners.

Cisco+ Hybrid Cloud for Virtual Desktop Infrastructure (VDI) specifically delivers desktop and app workspaces as an on-demand service. It allows partners to consume desktops elastically, paying for capacity as needed and scaling the underlying compute, storage, and networking without rebuilding the environment.

* Bare Metal Compute and Virtualization offers flexible infrastructure but are aimed at app/workload hosting rather than user desktop workspaces.

* Service Provider Networking addresses network services, not end-user hybrid workplace desktops.

Therefore, for a pay-as-you-go, rapidly deployable, elastic solution in a hybrid workplace, Cisco+ Hybrid Cloud for Virtual Desktop Infrastructure is the correct choice.

34. Frage

What does NFV stand for?

- A. New Function Virtualization
- B. Network File Versioning
- C. Network Function Visualization
- **D. Network Function Virtualization**

Antwort: D

35. Frage

Direct Connect offers which of the following advantages over traditional internet connections?

- A. Reduced bandwidth
- **B. More consistent network performance**
- C. Higher latency
- **D. Increased security**

Antwort: B,D

36. Frage

Which two tools should be used to manage container orchestration? (Choose two.)

- **A. Docker**
- **B. Kubernetes**
- C. Cisco vSmart
- D. Cisco vManage
- E. VMware vCenter

Antwort: A,B

Begründung:

Comprehensive and Detailed Explanation From Exact Extract from my knowledge of Designing and Implementing Cisco Service Provider Cloud Network Infrastructure Outlines without Any External URL or Links:

Container orchestration is the automated management of container lifecycle tasks such as deployment, scaling, failover, and updates. In Cisco cloud and NFV design guidance, typical orchestration platforms include Docker (with Swarm) and Kubernetes, which integrate with Cisco networking and security for cloud-native workloads.

* Docker provides the container runtime and can also perform basic orchestration through Docker Swarm mode, managing multi-container, multi-host deployments.

* Kubernetes is a full-featured orchestration system that automates deployment, scaling, and operations of application containers across clusters. It is the de-facto standard used with Cisco Container Platform and other Cisco cloud solutions.

VMware vCenter, Cisco vManage, and Cisco vSmart focus on virtual machines or SD-WAN control, not container orchestration. Therefore, the correct tools are Docker and Kubernetes (A, D).

37. Frage

What is a capability of a Cisco NFVIS SNMP trap?

- A. Controls the activities of a network host
- B. Monitors the activities of a network host
- C. Retrieves an SNMP object variable from the MIB
- **D. Sends an unsolicited notification to the SNMP manager**

Antwort: D

Begründung:

Comprehensive and Detailed Explanation

SNMP traps in Cisco NFVIS (and in SNMP generally):

* Are unsolicited notifications

* Sent from the NFVIS device to the SNMP manager

* Indicate alarms, changes, or significant operational events

* Do not require polling

Examples:

- * Disk failures
- * VM crashes
- * Host status changes
- * Resource alarms

Why the others are wrong:

- * Adescribes SNMP monitoring (done by the manager with GET requests)
- * BSNMP cannot control host activities
- * DSNMP GET retrieves a variable, but traps send unsolicited notifications Thus, the correct answer is C.

38. Frage

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