

High-Performance Computing Infrastructure (HPCIE) Data Center Network (Written) v1.0

1. Which of the following is not within the scope of the iMaster NCE-FabricInsight protocol layer health assessment?

A. OSPF connection

B. BGP peer connection

C. M-LAG group status

D. VXLAN tunnels

Answer(s): D

2. In CloudFabric intelligent O&M, which of the following components is completed in which of the following components is the fault closure of the fault 1-3-5 function?

A. iMaster NCE-FabricInsight

B. Cloud platform

C. Physical devices

D. iMaster NCE-Fabric

Answer(s): D

3. What are the correct items in the following descriptions of the design of the CloudFabric intelligent lossless multivariate computing physical network?

A. Leaf switches can be deployed independently

B. The number of Spine switches needs to be considered based on the total number of upstream interfaces across all Leaf switches

C. To ensure high reliability on the access side, the server must be single-homed to the LEAF switch

D. You can choose a two-layer or three-layer networking architecture based on the scale

Answer(s): A,B,D

4. When service provisioning fails in the CloudFabric data center network, which of the following functions can be used to simulate service provisioning in iMaster NCE-Fabric to view specific problems

A. Fault alarms

B. Service connectivity testing

C. Tenant snapshot rollback

D. Business simulation

Answer(s): D

5. Which of the following parameters does OpenStack use to define a virtual machine specification?

A. Label

B. Instance

C. Datasheet

D. Flavor

Answer(s): D

6. Which of the following options are included in the action type of a runbook in the CloudFabric network business open programmable overall solution?

A. Rollback

B. WithDraw

C. Commit

D. DryRun

Answer(s): A,D

7. In the Multi-PoD solution of the CloudFabric solution, when the VPC communicates through the wall, which of the following methods does the FW and Service Leaf use to open up the route?

A. OSPF

B. BGP

C. Static routes

D. Policy-based routing

Answer(s): C

8. Which of the following descriptions of the VPC routing table in the AWS public cloud model is wrong?

A. By default, subnets associated with different route tables within the same VPC are isolated from each other

B. The main route table is the route table that comes with the VPC, and the subnet in the VPC is associated with the main route table by default

C. A VPC can have one or more VPC route tables in a VPC

D. Each subnet needs to be associated with a VPC routing table that guides the routing and forwarding of EC2 instances within that subnet

Answer(s): A

9. Which of the following interface standards uses SCSI instructions?

A. FC

B. IDE

C. SAS

D. SATA

Answer(s): A,C,D

10. What are the correct descriptions of VXLAN Overlay multicast in the following descriptions?

A. BGP NG MVPN carries I-PMSI information for I-PMSI tunnel establishment

B. There is no need to deploy multicast in the underlay

C. When deploying multicast using PIM-SM mode, separate RPs need to be deployed on both the underlay and the overlay

D. The VXLAN tunnel can still be configured as headend replication without special configuration

Answer(s): A,C

11. Which of the following options is wrong in the description of the characteristics of the L2 bridging solution in the container network scenario of the CloudFabric solution?

A. Multiple virtual network interfaces can be configured on a single network interface or VLAN subinterface of a host

B. Virtual network interfaces have separate MAC addresses and IP addresses

C. Containers have the same networking capabilities as hosts

D. NAT is required for cross-node container access

Answer(s): D

12. Which of the following is the big Layer 2 virtualization technology used in the CloudFabric solution?

A. VXLAN

B. TRILL

C. MPLS

D. L2GRE

Answer(s): A

13. In the container network scenario of the CloudFabric solution, when the container L3 is connected, the calico CNI plug-in does not need to configure which parameters of the container NIC?

A. MAC

B. IP

C. routing

D. VLAN

Answer(s): D

14. Linux systems are divided into user space and kernel space, which of the following types of data encapsulation is not completed in kernel space?

A. Physical layer encapsulation

B. Network layer encapsulation

C. Transport layer encapsulation

D. Data link layer encapsulation

Answer(s): A

15. Which of the following protocol standards is led by Huawei to solve the PFC head-resistance problem?

A. IEEE 802. 1AB

B. IEEE P802. 1CQ

C. IEEE 802. 1Qcp

D. IEEE P802. 1Qcz

Answer(s): D

16. Which of the following is responsible for managing network resources in the core project of OpenStack resource management?

A. Nova

B. Swift

C. Ironic

D. Neutron

Answer(s): D

17. Which of the following options can be deployed in a lossless CloudFabric network to avoid the header blocking problem (HeadOfLineBlockingHOLB occurs?).

A. AI ECN

B. PFC deadlock detection

C. INOF

D. PFC Deadlock Prevention

Answer(s): A

18. What are the correct terms of the following description of ECN high and low thresholds?

A. When the queue cache falls below a low threshold, no ECN tagging is performed

B. When the queue cache is above the high threshold, all ECN tokens are performed

C. If the queue cache is higher than the high threshold, all packets are discarded

D. The queue cache is above the low threshold but below the high threshold, and the closer it is to the high threshold, the higher the probability of tagging

Answer(s): A,B

19. Which of the following layers is not included in the overall architecture of the CloudFabric solution?

A. Forwarding layer

B. Control & Analysis Layer

C. Application layer

D. Server layer

Answer(s): D

20. Which of the following options is a software platform in the HPC scenario of Huawei's CloudFabric solution ?

A. Operating System

B. Scheduler

C. Compiler

D. Math Library

Answer(s): A,B,C,D
