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VMware Cloud Provider Specialist Exam 2019

Version 1.0

Exam A

QUESTION 1 What are the two primary use cases of VMware vCloud Availability for vCloud Director solution set?
(Choose two.)

A. orchestrate VMware Fault Tolerance for a vApp in a vCloud Director environment
B. create an L2 VPN tunnel between on-premises vCenter and a vCloud Director environment
C. activate self-service Disaster Recovery between vCloud Director environments
D. automate creation of vCloud Director cells for high availability purposes
E. provide Disaster Recovery between on-premises vCenter to a vCloud Director environment

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
A system administrator is adding new compute resources to an existing VMware vCloud Director installation.
Which two types of compute resources can be consumed by VMware vCloud Director version 9.1 for the capacity expansion? (Choose two.)

A. VMware vSphere ESXi host with vCloud networking and security
B. Red Hat KVM host with Open Switch
C. VMware vSphere Resource Pools in a new vCenter Server with NSX
D. VMware Integrated OpenStack host group
E. VMware vSphere cluster in an already added vCenter Server

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3

Which benefit does the VMware Cloud on AWS 1-node option in VMware Cloud Provider Hub provide?

A. no charge for running workloads for 30 days
B. smaller and cost-effective entry point, scale at 4+ nodes within 30 days
C. the ability to run VMware vCloud Director
D. the ability to run mission critical workloads for a tenant

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://vcppblog.wordpress.com/category/usage-meter/

QUESTION 4 Which VMware vCenter role is needed to access and configure properties pertaining to
identity providers?

A. System Administrator
B. SSO Administrator
C. Administrator

D. Security Administrator
Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.vmware.com/en/vRealize-Orchestrator/7.3/com.vmware.vrealize.orchestrator-install-config.doc/GUID-81A1965B-548D-4D93-9447-B9E221EB290E.html

QUESTION 5 A cloud administrator creates a new organization virtual data center which meets these customer requirements:

▪ The customer wants to heavily over-commit CPU
▪ The customer requires mainly static workloads
▪ The customer requires to know how many resources are guaranteed to them ▪
The customer requires guaranteed resources at all times

Which allocation model meets these requirements?

A. elastic allocation pool
B. non-elastic allocation pool
C. pay-as-you-go
D. reservation pool

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://pubs.vmware.com/vcd-820/index.jsp?topic=%2Fcom.vmware.vcloud.admin.doc%2FGUID-38570B36-07E2-4BC7-A7A3-E6F7CFC99A53.html

QUESTION 6
Which three Linux distributions are supported as the base operating system used for a VMware vCloud Director installation? (Choose three.)

A. CentOS
B. Oracle Linux
C. Amazon Linux
D. Red Hat Enterprise Linux
E. Debian
F. Ubuntu

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.vmware.com/en/VMware-vCloud-Director-for-Service-Providers/9.5/rn/vmware-vcloud-director-for-service-providers-95-release-notes.html#sysreqs

QUESTION 7 Which VXLAN replication mode requires the deployment of
NSX Controllers?

A. multicast
B. unicast
C. broadcast
D. anycast

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://telecomoccasionally.wordpress.com/2015/01/11/nsx-for-vsphere-vxlan-control-plane-modes-explained/

QUESTION 8 Which statement is true about how NSX Manager functions with VMware
vCloud Director 9.1?

A. vCloud Director can use vCloud Networking and Security in place of NSX.
B. vCloud Director does not require NSX Manager to deploy virtual networks using VXLAN technology.
C. vCloud Director requires NSX Manager to deploy virtual networks and edge gateways.
D. vCloud Director can deploy edge gateways without NSX Manager.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9 Which resource can be added to a provider virtual data center using VMware
vCloud Director?

A. virtual switch
B. folder
C. resource pool
D. virtual data center

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://pubs.vmware.com/vcd-820/index.jsp?topic=%2Fcom.vmware.vcloud.admin.doc%2FGUID-B48DE20E-E9C2-4CFA-A7B8-2BC6068AFD35.html

QUESTION 10 Which device provides connectivity between one or more VMware vCloud Director external networks and one or more
organization networks?

A. external router
B. edge gateway
C. network switch
D. VXLAN

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://pubs.vmware.com/vcd-820/topic/com.vmware.ICbase/PDF/vcd_820_user_guide.pdf

QUESTION 11 Which vSphere capability assigns storage to VMware
vCloud Director?

A. storage profiles
B. datastores
C. network file system
D. Fibre Channel SAN

Correct Answer: A
Section: (none)

Explanation
Explanation/Reference:
Reference: https://blogs.vmware.com/vsphere/2013/02/using-storage-profiles-with-vcloud-director-2.html

QUESTION 12 What is the benefit of a Data Center Extension inside of VMware vCloud
Director Extender?

A. register an existing IPsec VPN tunnel to access the VMware vCloud Director environment
B. create trunk ports inside of a VMware virtual Distributed Switch for vCloud Director Extender usage
C. create an NSX L2 VPN connection to stretch on-premises networks to a VMware vCloud Director environment
D. use automation to create VMware vCloud Director Extender appliances

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13 Which two actions are functions of the Cloud Provider Pod
Solution? (Choose two.)

A. preloads a hardware appliance with VMware vCloud Chargeback Manager components
B. deploys all necessary components of a VMware vCloud Director solution
C. orchestrates and instantiates VMware vCloud Foundation on Provider infrastructureD. orchestrates and instantiates the deployment of a VMware Cloud Provider architecture
E. automates usage reporting and collection of VMware Cloud Provider points.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.vmware.com/products/cloud-provider-pod.html

QUESTION 14 A system administrator recommends a role-based access control implementation which meets
these requirements:

▪ Permission to download a vApp template as on OVF package
▪ Permission to view catalog items
▪ Permission to view all VDCs in the organization
▪ Permission to create or update vApp object metadata in the vCenter domain

Which role meets these requirements while giving the lowest possible permissions to the user?

A. vApp Author
B. Catalog Author
C. Organization Administrator
D. vApp User

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.vmware.com/en/vCloud-Director/9.1/com.vmware.vcloud.admin.doc/GUID-BC504F6B-3D38-4F25-AACF-ED584063754F.html

QUESTION 15
VMware vCloud Usage Meter can meter how many vCenter instances?

A. 1
B. 2
C. 25
D. 50

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://cloud.vmware.com/vcloud-usage-meter/features

QUESTION 16
A Provider administrator deploys VMware vCloud Usage Meter and attempts to add a vCenter instance for metering purposes. This error is generated:
There was a problem checking the certificate for vcenter.corp.local:443. Unable to connect with vcenter.corp.local on port 443: Connection timed out. What is the probable cause of this issue?

A. A firewall is blocking traffic from the vCloud Usage Meter to vcenter.corp.local.
B. vCloud Usage Meter needs reconfiguring to port 7444 for proper vCenter communication.
C. vCloud Usage Meter is not configured with an SMTP server.
D. The Site ID field is unpopulated on the Service Provider Information tab.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17 What is the VMware recommended best practice to scale vCloud
Director cells?

A. Deploy N+1 cells where N is number of resource groups or n/3000 + 1 powered on virtual machines.
B. Deploy one vCloud Director Cell per 3000 simultaneous client connections.
C. Deploy one additional vCloud Director Cell per N where N = Virtual Machines / Resource Pools * Number of vCenters.
D. Deploy a one to one ratio of vCloud Director Cells per vCenter cluster.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/vcat/vmware-architecting-a-vcloud-director-solution.pdf (19)

QUESTION 18 How does a VMware NSX distributed firewall function within a VMware vCloud
Director environment?

A. controls configuration of dynamic NAT rules
B. displays concurrent connections coming into VMware vCloud Director
C. secures application in the organization virtual data center from inside and outside threats
D. manages the BGP and OSPF protocols

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://fojta.wordpress.com/2017/03/01/vcloud-director-8-20-distributed-firewall/

QUESTION 19
A VMware service provider must run non-vCloud Director managed virtual machines in the same cluster as VMware vCloud Director managed virtual machines. In accordance with the best practices, which vCenter object should the provider virtual data reference?

A. resource pool
B. data center
C. folder
D. cluster

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
A customer is planning to migrate VMs from the on-premises data center to the organization virtual data center in VMware vCloud Director. Due to the size and number of VMs to be migrated, the customer is unable to migrate all of the VMs in the same migration window. Some of the migration targets are required to maintain IP addresses and same broadcast domain to on-premises VMs during the migration. Which Virtual Private Networking service will meet the customer needs?

A. Third party VPN service
B. IPSEC VPN
C. SSL VPN-Plus
D. L2 VPN

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21 Which organization virtual data center allows the tenant to oversubscribe?

A. reservation pool
B. allocation pool
C. pay-as-you-go
D. elastic

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
What is the maximum allowable drift between the clocks of components in a VMware vCloud Director installation?

A. 2 seconds
B. 1 minute
C. 5 minute
D. 10 seconds
Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.vmware.com/en/vCloud-Director/9.5/com.vmware.vcloud.install.doc/GUID-2E0538AF-CE67-46CB-8B3C-88E5AB8F6355.html

QUESTION 23 Which authentication mode should be used when utilizing a Microsoft SQL Server database for
vCloud Director?

A. certificate-based authentication
B. mixed-mode authentication
C. Windows authentication
D. Active Directory authentication

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.vmware.com/en/vCloud-Director/9.1/com.vmware.vcloud.install.doc/GUID-C3C2E2DA-D760-413A-AA8A-A4BC674C068F.html

QUESTION 24 Which two vSphere network resources are directly consumed by vCloud Director Network
Pools? (Choose two.)

A. virtual distributed switch
B. subnet
C. port group
D. VLAN IDs
E. standard virtual switch

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25 A cloud administrator creates a new organization virtual data center which meets these
customer requirements:

▪ The customer resource requirements might outgrow provider current physical cluster capacity
▪ The customer requires mainly static workloads
▪ The customer does not want any resource management overhead at a VM level in their own responsibility

Which allocation model meets these requirements?

A. non-elastic allocation pool
B. pay-as-you-go
C. elastic allocation pool
D. reservation pool

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
QUESTION 26
A customer wants to deploy multiple versions of an application within their organization virtual data center for quality assurance testing. The customer has these requirements:

▪ vApps deployed from the same vApp template from a shared catalog ▪
Same MAC and IP address used for each vApp template deployment

- VM in each App has access to some of the shared services external to the organization virtual data center

Which process meets the customer requirements?

A. Enable the Fenced vApp option during the creation of the vApp.
B. Create an isolated organization network for each vApp.
C. Enable the distributed firewall to separate the virtual machines between vApps.
D. Create a new organization virtual data center and organization network for each deployment of the vApp.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27 Which two statements are true about network and time configuration requirements for VMware vCloud Director?
(Choose two.)

A. Each VMware vCloud Director server requires a single IP address and a single port.
B. Each VMware vCloud Director server requires two different SSL endpoints.
C. VMware vCloud Director requires a dedicated Active Directory server for communication.
D. VMware vCloud Director host names do not need to resolve by DNS
E. VMware vCloud Director cell servers in the same group must be configured in the same time zone.

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.vmware.com/en/vCloud-Director/9.5/com.vmware.vcloud.install.doc/GUID-2E0538AF-CE67-46CB-8B3C-88E5AB8F6355.html

QUESTION 28 How long does it take a provider to automate deployment when using Cloud
Provider Pod?

A. hours
B. days
C. weeks
D. months

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29
An administrator is planning a new VMware vCloud Director deployment and is concerned about secure communications between the clients and servers. Which
step ensures secure communications between the clients and servers?

A. Create a single certificate for each member of the server group and import the certificates into the host keystores.
B. VMware vCloud Director automatically creates self-signed certificates.
C. Create two certificates for the server group and import the certificates into each cell keystore.
D. Create a single certificate and share it with all the members of the server group.

Correct Answer: C

Section: (none)
Explanation

Explanation/Reference:
Explanation: vCloud Director uses SSL to secure communications between clients and servers. Before you install and configure a vCloud Director server group, you must create two certificates for each member of the group and import the certificates into host keystores

QUESTION 30
Which option should a cloud administration team implement to offer Containers-as-a-Service within a vCloud Director deployment?

A. VMware Pivotal Container Services
B. VMware Container Services Extension
C. vSphere Integrated Containers Engine
D. VMware Photon OS

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://cloud.tsugliani.fr/2018/04/vcloud-director-and-cse-part-1/

QUESTION 31 Which organization virtual data center network type is used for internal communication?

A. routed
B. isolated
C. protected
D. direct

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.vmware.com/en/vCloud-Director/9.5/vcd_95_user_guide.pdf

QUESTION 32
Which setting is available to the organization administrator when configuring an organization in VMware vCloud Director?

A. Catalog Publishing Policy
B. Email/SMTP settings
C. LDAP authentication sources
D. RabbitMQ Message Bus

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 33
A user is creating a three-tier application within a vApp in VMware vCloud Director. The application has three requirements:
▪ Two web services, two application servers, and one database
▪ Web server components load balanced for increased user experience and redundancy ▪
Web servers validate SSL certificates

Which Edge Load Balancer option should be selected while creating the Application Profile to meet the certificate validation requirements of the application?

A. Validate Certificate Locally
B. Persistence
C. Cookie Name
D. Enable SSL Passthrough

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34 What is a required installation step for the Provider administrator with VMware vCloud Director Extender 1.x?

A. assignment of advanced networking permissions to Organization Administrator
B. deployment of a hardware IPsec VPN appliance
C. installation and configuration of VMware Site Recovery Manager
D. installation and configuration of VMware vCloud Availability

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.vmware.com/en/vCloud-Director-Extender/1.1/vcdextender.usersguide.doc.pdf

QUESTION 35 A system administrator recommends a role-based access control implementation which meets these requirements:

- Permission to create or upload catalog items
- Permission to edit the properties of an independent disk
- Permission to change to owner of any catalog in the organization
- Permission to modify properties of an organization virtual data center network

Which role meets these requirements while giving the lowest possible permissions to the user?

A. vApp User
B. vApp Author
C. Organization Administrator
D. Catalog Author

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://pubs.vmware.com/vca/index.jsp?topic=%2Fcom.vmware.vcloud.api.doc_56%2FGUID-BC504F6B-3D38-4F25-AACF-ED584063754F.html

QUESTION 36
Which VMware NSX for vSphere feature fulfills a business requirement to support more than 5,000 separate networks?
A. VXLAN
B. load balancing
C. L2 VPN
D. distributed logical router

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 37 What is the mandatory configuration for VMware vCloud Usage Meter for the initial deployment and successful metering?

A. Customer and Rule setup
B. License set
C. SSH access
D. SMTP setup

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.vmware.com/en/vCloud-Usage-Meter/3.6/vcloud-usage-meter-36-users-guide.pdf

QUESTION 38 What is the minimum Recovery Point Objective (RPO) available for vCloud Availability for Cloud-to-Cloud?

A. 5 minutes
B. 10 minutesC. 15 minutes
D. 30 minutes

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.vmware.com/en/VMware-vCloud-Availability-for-Cloud-to-Cloud-DR/1.5/vcav-c2c-users-guide.pdf

QUESTION 39 What are three new capabilities of VMware vCloud Availability for Cloud-to-Cloud 1.5?
(Choose three.)

A. VMware vRealize Automation Support
B. VMware vRealize Orchestrator Integration
C. VMware Site Recovery Manager Integration
D. VMware NSX SD-WAN by VeloCloud Integration
E. vCloud Availability for Cloud to Cloud API
F. VMware vRealize Operations Day 2 Monitoring Pack

Correct Answer: BEF
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.paluszek.com/wp/2018/08/24/vmware-vcloud-availability-for-cloud-to-cloud-1-5-is-announced-whats-new/ **QUESTION 40**
When deploying a combined appliance for VMware vCloud Availability for Cloud-to-Cloud, how many virtual appliances are deployed in the Provider environment?

A. 1
B. 2
C. 3
D. 4

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.vmware.com/en/VMware-vCloud-Availability-for-Cloud-to-Cloud-DR/1.0/vcav-c2c-install-config.pdf (19)