Exam Questions 2V0-21.23

VMware vSphere 8.x Professional

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NEW QUESTION 1
An administrator is tasked with looking into the disaster recovery options for protecting a database server using VMware vSphere Replication.
The following requirements must be met:
• The virtual machine must remain online during the protection.
• The virtual machine's snapshots must be used as part of the replication process. Which step must the administrator complete to accomplish this task?

A. Configure the virtual machine storage policy.
B. Enable guest OS VSS quiescing for this virtual machine.
C. Perform a full initial synchronization of the source virtual machine to the target location.
D. Configure network traffic isolation for vSphere Replication.

Answer: C

Explanation:
https://docs.vmware.com/en/vSphere-Replication/8.7/com.vmware.vsphere.replication-admin.doc/GUID-C2493

NEW QUESTION 2
An administrator is tasked with configuring vSphere Trust Authority. The administrator has completed the following steps:
• Set up the workstation
• Enabled the Trust Authority Administrator
• Enabled the Trust Authority State
• Collected information about the ESXi hosts and vCenter to be trusted Which step does the administrator need to complete next?

A. Import the Trusted Host information to the Trust Authority Cluster
B. Import the Trusted Cluster information to the Trusted Hosts
C. Create the Key Provider on the Trusted Cluster
D. Import the Trusted Host information to the Trusted Cluster

Answer: A

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/images/GUID-D205B3C1 https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-security/GUID-39D8AB34-AD45-4B0A-8FB0-7A1

NEW QUESTION 3
An administrator notices a performance issue in VMvvare vCenter To try and understand more about the performance issue, the administrator needs to gather more information about the vCenter database to eliminate a potential disk space issue.
Which two tools can the administrator use? (Choose two.)

A. vCenter Management Interface (VAMI)
B. Perfmon
C. df
D. esxtop
E. vSphere Client

Answer: AC

Explanation:
https://kb.vmware.com/s/article/76563

NEW QUESTION 4
An administrator is asked to segregate virtual machine (VM) traffic by VLAN on a vSphere standard switch The following requirements must be met:
•VLAN ID on the switch port group must be 4095.
•VLAN tagging must be done at the VM level. Which tagging mode is required?

A. External Switch Tagging (EST)
B. None
C. Virtual Guest Tagging (VGT)
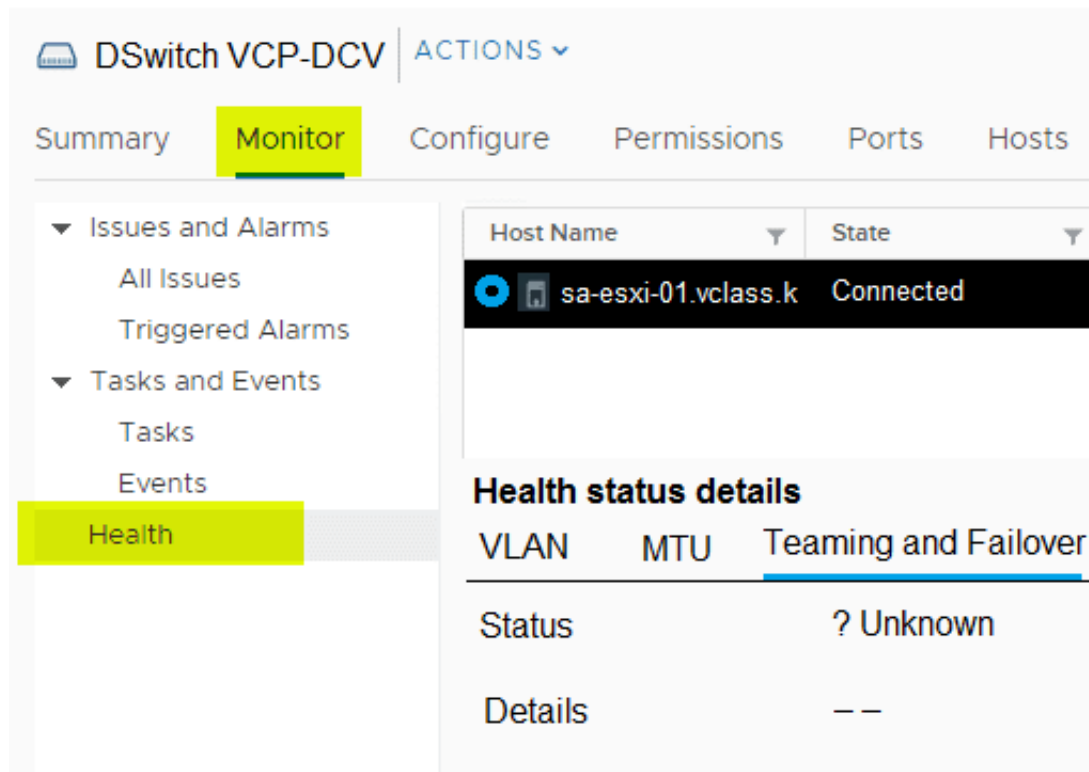D. Virtual Switch Tagging (VST)

Answer: C

Explanation:
The tagging mode that is required is Virtual Guest Tagging (VGT), which allows VLAN tagging to be done at the VM level. VGT requires that the VLAN ID on the switch port group be set to 4095, which is a special value that indicates that packets from all VLANs are allowed to pass through. References:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-D35A0A1C-B6
https://kb.vmware.com/s/article/1003806

NEW QUESTION 5
Exhibit switch

An administrator configures a distributed switch and adds the first VMware ESXi server to it. The administrator also performs the following activities:
•The administrator assigns two uplinks to the distributed switch.
•The administrator enables uplink teaming.
When attempting to perform a health check of the teaming policy, the health status of the Teaming and
Failover reports as ' Unknown?, as seen in the exhibit.
What can the administrator changes in the distributed switch for the health status to report correctly?

A. Add a minimum of three hosts with two uplinks each
B. Add a minimum of two hosts with two uplinks each
C. Add a minimum of three hosts with four uplinks each
D. Add a minimum of two hosts with one uplink each

Answer: B

NEW QUESTION 6
An administrator is attempting to configure Storage I/O Control (SIOC) on five datastores within a vSphere environment. The administrator is being asked to
determine why SIOC configuration completed successfully on only four of the datastores.
What are two possible reasons why the configuration was not successful? (Choose two.)

A. The datastore contains Raw Device Mappings (RDMs).
B. SAS disks are used for the datastore.
C. The datastore has multiple extents.
D. The datastore is using ISCSI.
E. The administrator is using NFS storage.

Answer: AC

Explanation:
SIOC configuration may fail if the datastore contains RDMs or has multiple extents, as these are not supported by SIOC.
References:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.storage.doc/GUID-FB3F5C5C-D3F6-4
Storage I/O Control is supported on Fibre Channel-connected, iSCSI-connected, and NFS-connected storage. Raw Device Mapping (RDM) is not supported.
Storage I/O Control does not support datastores with multiple extents.

NEW QUESTION 7
An administrator receives reports from the application team of poor performance of a virtual ma-chine (VM). The administrator reviews the virtual machine and
discovers that it has 20 snapshots that are over 12 months old.
What could the administrator do to improve the VM's performance?

A. Inflate the base disk to make space for future snapshots.
B. Revert to the latest snapshot.
C. Consolidate all of the snapshots into the base VM.
D. Identify and delete the largest delta .vmdk file.

Answer: C

Explanation:
https://4sysops.com/archives/performance-impact-of-snapshots-in-vmware-vsphere-7/#:~:text=As%20you%20k

NEW QUESTION 8
An administrator is tasked with moving an application and guest operating system (OS) running on top of a physical server to a software-defined data center
(SDDC) in a remote secure location.
The following constraints apply:
• The remote secure location has no network connectivity to the outside world.
• The business owner is not concerned if all changes in the application make it to the SDDC in the secure location.
• The application's data is hosted in a database with a high number of transactions.
What could the administrator do to create an image of the guest OS and application that can be moved to this remote data center?

A. Create a hot clone of the physical server using VMware vCenter Converter.
B. Create a cold clone of the physical server using VMware vCenter Converter.
C. Restore the guest OS from a backup.
D. Use storage replication to replicate the guest OS and application.

Answer: B

Explanation:
Option B is correct because it allows the administrator to create a cold clone of the physical server using VMware vCenter Converter, which will create an image of the guest OS and application that can be moved to this remote data center without requiring network connectivity or affecting the application's data. Option A is incorrect because creating a hot clone of the physical server using VMware vCenter Converter will require network connectivity and may affect the application's data due to changes during conversion. Option C is incorrect because restoring the guest OS from a backup will require network connectivity and may not include the latest changes in the application. Option D is incorrect because using storage replication to replicate the guest OS and application will require network connectivity and may not be feasible for a physical server. References: https://docs.vmware.com/en/vCenter-Converter-Standalone/6.2/com.vmware.convsa.guide/GUID-9F9E3F8C-0E

NEW QUESTION 9
After a number of outages within a production VMware software-defined data center, an administrator is tasked with identifying a solution to meet the following requirements:
• Reduce the risk of outages by proactively identifying issues with the environment and resolving them.
• Reduce the complexity of uploading log bundles when raising support tickets.
Which solution should the administrator recommend to meet these requirements?

A. VMware Aria Operations for Logs
B. VMware Skyline Advisor Pro
C. VMware Skyline Health
D. VMware Aria Operations

Answer: B

Explanation:
Skyline Advisor Pro is a self-service web application that enables you to receive proactive intelligence with new insights, accelerated analysis, and simplified design, within a web browser. To activate Skyline Advisor Pro, upgrade your Skyline Collector to Skyline Collector 3.0 or later versions.
The solution that should be recommended to reduce the risk of outages by proactively identifying and resolving issues with the environment and reducing the complexity of uploading log bundles is VMware Skyline Health, which provides automated support and proactive recommendations for vSphere.

NEW QUESTION 10
An administrator is planning to upgrade a VMware vCenter instance to version 8. It is currently integrated with the following solutions:
* VMware Aria Automation
* VMware Cloud Director
Which tool can the administrator use to run Interoperability reports before the upgrade process?

A. sphere Update Manager
B. VMware Aria Suite Lifecycle
C. vCenter Server Update Planner
D. vSphere Lifecycle Manager

Answer: C

Explanation:
The tool that can be used to run interoperability reports before upgrading a vCenter Server instance is vCenter Server Update Planner, which allows checking compatibility with other VMware products.
References:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.upgrade.doc/GUID-C3FFBF62-D6BF

NEW QUESTION 10
Which feature would allow for the non-disruptive migration of a virtual machine between two clusters in a single VMware vCenter instance?

A. vSphere vMotion
B. Cross vCenter Migration
C. vSphere Storage vMotion
D. vSphere Fault Tolerance

Answer: A

Explanation:
vSphere vMotion allows for the non-disruptive migration of a virtual machine between two clusters in a single vCenter instance, as long as there is shared storage and network connectivity between the clusters.
References:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-3B41119A-127
vMotion is used to move the VM to a different cluster within the same vCenter. This only works if both clusters share the same storage. If they don't you also need to perform a Storage vMotion. Cross vCenter Migration is only used to migrate to a different vCenter.

NEW QUESTION 15
An administrator plans to bring VMware vCenter offline in order to perform hardware mainte-nance on the host where the vCenter Server Appliance is running. Which vSphere feature must be configured to ensure that vCenter users experience minimal downtime?

A. vSphere Distributed Resource Scheduler
B. Hybrid Linked Mode

C. vCenter Server High Availability
D. Enhanced Linked Mode

Answer: C

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-4A626993-A829-495

NEW QUESTION 16
An administrator is creating a content library to manage VM templates and ISO images. The administrator wants to password-protect the images and templates and share them with a remote site.
Which two tasks must the administration perform when creating the content library? (Choose two.)

A. Publish the local content library.
B. Enable the security policy.
C. Create a subscribed content library.
D. Select an NFS datastore.
E. Enable authentication.

Answer: AE

Explanation:
To password-protect and share images and templates with a remote site, the administrator needs to publish the local content library, which makes it available for subscription by other vCenter Server instances; and enable authentication, which requires users to enter credentials when accessing the content library.
References:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-FBEED81C-F9D

NEW QUESTION 18
An administrator needs better performance and near-zero CPU utilization from the ESXI hosts for networking functions and processing. The administrator creates a new vSphere Distributed Switch and enables network offloads compatibility.
Which solution would help achieve this goal?

A. VSphere Distributed Services Engine
B. Data Processing Units (DPUs)
C. vSphere Network I/O Control
D. Universal Passthrough version 2

Answer: B

Explanation:
The solution that would help achieve better performance and near-zero CPU utilization from the ESXi hosts for networking functions and processing is Data Processing Units (DPUs), which are specialized processors that offload network services from the CPU and provide hardware acceleration.
https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-networking/GUID-41AB1101-D943-490A-BF1A-E

NEW QUESTION 21
Which VMware offering will allow an administrator to manage the lifecycle of multiple vCenter Server instances in a single software as a service (SaaS)-based solution to help drive operational efficiency?

A. VMware vSphere with Tanzu
B. VMware Cloud Foundation
C. VMware vSphere+
D. VMware Aria Suite Lifecycle

Answer: C

Explanation:
VCF includes the management domain and multiple workload domains. While VCF does use LCM to manage vCenter lifecycle, it is on-prem only (for now) and is not SaaS based. That only leave vSphere+. See the video in this link about upgrading remote vCenters managed by vSphere+.
https://www.vmware.com/products/vsphere/vsphere-plus.html

NEW QUESTION 23
An administrator manually configures a reference ESXi host that meets company security standards for vSphere environments. The administrator now needs to apply all of the security standards to every identically configured host across multiple vSphere clusters within a single VMware vCenter instance.
Which four steps would the administrator complete to meet this requirement? (Choose four.)

A. Extract the host profile from the reference host
B. Export the host profile from vCenter.
C. Import host customization on the reference host.
D. Attach the host profile to each cluster that requires the secure configuration.
E. Check the compliance of each host against the host profile.
F. Reset host customization on the reference host.
G. Remediate all non-compliant hosts.

Answer: ADEG

Explanation:
To apply the security standards from a reference host to other hosts across multiple clusters, the administrator needs to extract a host profile from the reference host, which captures its configuration settings; attach the host profile to each cluster that requires the same configuration; check the compliance of each host

against the host profile, which compares their settings; and remediate all non-compliant hosts, which applies the configuration settings from the host profile.
References:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-F8F105EC-A6EA

NEW QUESTION 24
Following a merger with another company, an administrator is tasked with configuring an identity source for VMware vCenter so that all vSphere administrators can authenticate using their existing Active Directory accounts. Each company has user accounts in their own Active Directory forests.
The following additional information has been provided:
• The corporate policy states that only Windows-based machine accounts are allowed in Active Directory. Which action should the administrator take to configure vCenter Single Sign-On (SSO) to meet this requirement?

A. Configure SSO to use Active Directory over LDAP as the identity source.
B. Configure SSO to use OpenLDAP as the identity source.
C. Join the vCenter Server Appliance to the LDAP domain.
D. Configure SSO to use Active Directory (Integrated Windows Authentication) as the identity source.

Answer: A

Explanation:
Integrated Windows Authentication is now depreciated (from v7). "The Active Directory over LDAP identity source is preferred over the Active Directory (Integrated Windows Authentication) option." https://kb.vmware.com/s/article/78506

NEW QUESTION 28
A vSphere cluster hosts a three-tier application. The cluster has 50% resources available. If a host in the cluster fails, the database server must be online before the application server, and the application server must be online before the Web server.
Which feature can be used to meet these requirements?

A. Predictive DRS
B. vSphere HA Orchestrated Restart
C. vSphere HA Restart Priority
D. Proactive HA

Answer: B

Explanation:
https://www.vladan.fr/what-is-vmware-orchestrated-restart/

NEW QUESTION 29
administrator successfully installs VMware ESXi onto the first host of a new vSphere duster but makes no additional configuration changes. When attempting to log into the vSphere Host Client using the Fully Qualified Domain Name (FQDN) of the host, the administrator receives the following error message:
''server Not Found –we can't connect to the server at esxit101.corp.local.''
• Host FQDN: esxi 101. Corp. local
• Management VLAN ID: 10
• DHCP: No
• Management IP Address: 172.16.10.101/24
• Management IP Gateway: 172.16.10.1
• Corporate DNS Servers: 172.16.10.5, 172.16.10.6
• DNS Domain: corp.local
Which three high level tasks should the administrator complete, at a minimum, in order to successfully log into the the vSphsrs Host Client using the FQDN for the exxi101 and complete the configuration (Choose three.)

A. Ensure a DNS A Record Is created for the VMware ESXI host on the corporate DNS servers,
B. Update the VMware ESXI Management Network DNS configuration to use the corporate DNS servers for name, resolution,
C. Update the VMware ESXI Management Network IPv4 configuration to use a static a IPv4 address.
D. Configure at least two network adapters for the VMware ESXI Management Network.
E. Set the value of the VMware ESXI Management Network VLAN ID to 10.
F. Disable IPv6 for the VMware ESXI Management Network.

Answer: AB

Explanation:
To successfully log into the vSphere Host Client using the FQDN for the ESXi host, the administrator needs to ensure a DNS A Record is created for the VMware ESXi host on the corporate DNS servers, which maps its FQDN to its IP address; and update the VMware ESXi Management Network DNS configuration to use the corporate DNS servers for name resolution, which allows resolving its FQDN.
References:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-D2F9C9A9-5F2 https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-9F1D4E96-339

NEW QUESTION 31
An administrator is responsible for the management of a VMware vCenter instance that is currently experiencing performance issues. The administrator quickly identifies that the CPU and memory utilization of vCenter is consistently over 80%. Upon further analysis, it seems that the vpxd process is contributing significantly to the performance issue.
A combination of which four steps should the administrator take to resolve the performance issues and ensure that a similar issue can be rectified without requiring downtime to vCenter moving forward? (Choose four.)

A. Gracefully shut down vCenter using the vSphere Client.
B. Enable CPU Hot Add on the vCenter virtual machine.
C. Power on the vCenter Server Appliance using the vSphere Host Client.
D. Enable CPU and Memory Hot Add on the vCenter virtual machine.

E. Add additional CPU to the vCenter Server Appliance.
F. Power on the vCenter Server Appliance using the vSphere Client.
G. Enable Memory Not Add on the vCenter virtual machine.
H. Add additional memory resources to the vCenter Server Appliance.

Answer: ACDE

Explanation:
References:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-8E7C1D6D-8E https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-3B41119A-127 https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-38F4D574-ADE

NEW QUESTION 32
After adding a new vSphere ESXi host with identical hardware configuration to an existing vSphere cluster, which task would an administrator complete prior to checking the compliance with an existing host profile?

A. Attach the host profile to the new host
B. Duplicate the host profile
C. Copy the host settings from the new host
D. Import the host profile

Answer: A

Explanation:
The task that should be completed prior to checking the compliance with an existing host profile is to attach the host profile to the new host, which allows applying the configuration template of the reference host to the new host.
References:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.hostprofiles.doc/GUID-0E5BF330-A76 https://www.nakivo.com/blog/how-to-create-and-set-up-vmware-vsphere-host-profiles/

NEW QUESTION 35
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