VMware

3V0-22.21N

Advanced Deploy VMware vSphere 7.x

QUESTION & ANSWERS

Question: 1

The security team has decided to follow the VMware-recommended best practices in the vSphere hardening guide.
esxi02b:
Your first task is to create a local user in esxi02b:
* Name: SpecialUser
* Role: Administrator
Your second task is to ensure that SpecialUser is the ONLY user who is able to SSH into esxi02b via Putty.
Your final task is to enforce a strict lockdown on esxi02b.
Your second task is to ensure that SpecialUser is the ONLY user who is able to SSH into esxi02b via Putty.
Your final task is to enforce a strict lockdown on esxi02b.

Answer: see explanation below

Explanation/Reference:

Authentication and authorization govern access.vCenter Single Sign-Onsupports authentication, which means it determines whether a user can access vSphere components at all. Each user must also be authorized to view or manipulate vSphere objects.
vSphere supports several different authorization mechanisms, discussed inUnderstanding Authorization in vSphere. The focus of the information in this section is how thevCenter Serverpermission model works and how to perform user management tasks.
vCenter Serverallows fine-grained control over authorization with permissions and roles. When you assign a permission to an object in thevCenter Serverobject hierarchy, you specify which user or group has which privileges on that object. To specify the privileges, you use roles, which are sets of privileges.
Initially, only the administrator user for the vCenter Single Sign-On domain, administrator@vsphere.local by default, is authorized to log in to thevCenter Serversystem. That user can then proceed as follows:
Add an identity source in which users and groups are defined tovCenter Single Sign-On. See thePlatform Services Controller Administrationdocumentation.
Give privileges to a user or group by selecting an object such as a virtual machine or avCenter Serversystem and assigning a role on that object for the user or group.

Question: 2

You have just deployed a new vCenter Server Appliance. Vcsa0l
a. and are required to back up to configuration after deployment. To complete this task, perform an unencrypted backup of the vCenter Server Appliance using the following details:
* Use the FTP protocol to backup the appliance
* FTP Server Location: 172.20.10.10/
* FTP Username: administrator
* FTP Password: VMware1!
Note: Make sure you include the / at the end of the Server Location

Answer: see explanation below

Explanation/Reference:

Prerequisites
You must have an FTP, FTPS, HTTP, HTTPS, or SCP server up and running with sufficient disk space to store the backup. Dedicate a separate folder on your server for each file-based backup.

Procedure
In a Web browser, go to thevCenter Server ApplianceManagement Interface, https://appliance-IP-address-or-FQDN:5480.
Log in as root.
In thevCenter Server ApplianceManagement Interface, clickSummary.
ClickBackup.
TheBackup Appliancewizard opens.
Enter the backup protocol and location details.
Option
Description
Backup protocol
Select the protocol to use to connect to your backup server. You can select FTP, FTPS, HTTP, HTTPS, or SCP.
For FTP, FTPS, HTTP, or HTTPS the path is relative to the home directory configured for the service. For SCP, the path is absolute to the remote systems root directory.
Backup location
Enter the server address and backup folder in which to store the backup files.
Port
Enter the default or custom port of the backup server.
User name
Enter a user name of a user withwriteprivileges on the backup server.
Password
Enter the password of the user withwriteprivileges on the backup server.
(Optional)SelectEncrypt Backup Datato encrypt your backup file and enter a password for the encryption.
If you select to encrypt the backup data, you must use the encryption password for the restore procedure.
ClickNext.
On the Select parts to backup page, review the data that is backed up by default.
(Optional)SelectStats, Events, and Tasksto back up additional historical data from the database.
(Optional)In theDescriptiontext box, enter a description of the backup and clickNext.
On the Ready to complete page, review the summary information for the backup and clickFinish.
TheBackup Progresswindow opens and indicates the progress of the backup operation.
After the backup process finishes, clickOKto close theBackup Progresswindow.
Results
You successfully created a backup file of thevCenter Server Appliance.

Question: 3

A vSphere administrator has deployed a new server. The VM will have a workload which is prodApp1 to the following specifications:
* The VM should never have any memory contention while powered on. even if the host that it resides
* Configure the virtual machine for high latency sensitivity.

Answer: see explanation below

Explanation/Reference:

Send us your suggestions.

Question: 4

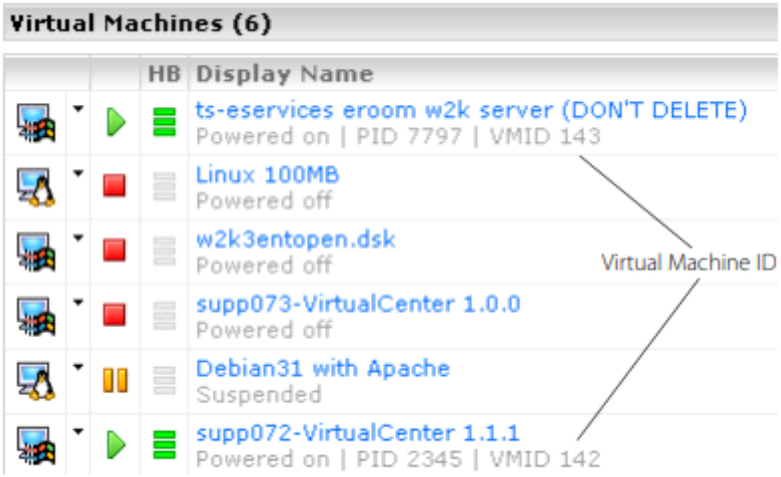
A user has approached you about a virtual machine with the name infra-1 that is performing poorly on the vCenter Server vcsa0l
a. In order to analyze the data offline, your team requires the esxtop data from the problem host with the following

requirements:
* The esxtop data must be in CSV format
* The data must contain 20 iterations with a delay
Once captured, copy the results CSV file from the destination datastore on the host to the Desktop of the ControlCenter VM with the filename 'esxiOlb-capture.csv'.
Note: WindSCP is installed on the Controller.

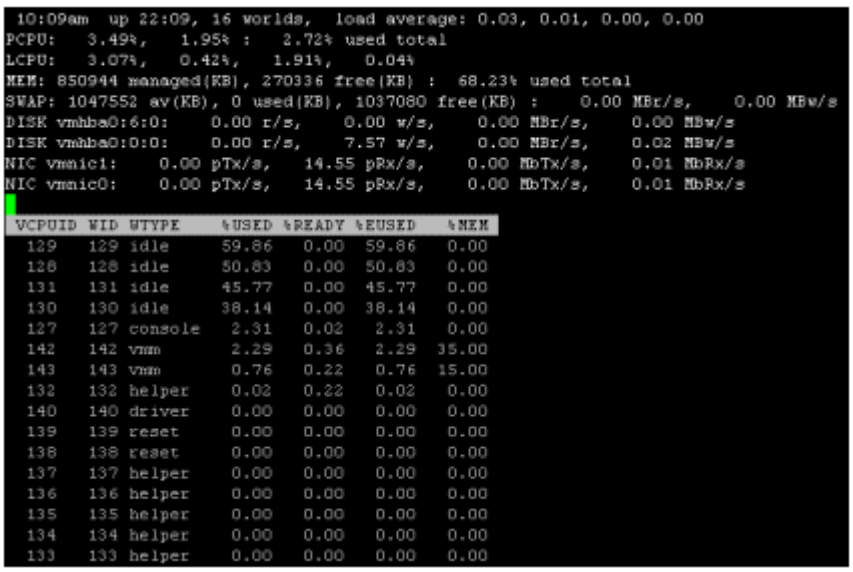
Answer: see explanation below

Explanation/Reference:

Do the following before you start to troubleshoot a problem using esxtop: 1. Log on to the VMware Management Interface for the ESX Server machine in question. Refer to the online document, Logging Into the VMware Management Interface, for details. In the status monitor, under Virtual Machines, note the virtual machine IDs (or VMIDs) for all virtual machines running on the server.



2. Make certain you have an secure shell (SSH) client. Windows users can get a free SSH client from http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html. 3. If you have ESX Server version 2.0.x, refer to the VMware Knowledge Base Answer ID 1078 for instructions on downloading and installing the VMware performance monitoring tools, esxtop and vmkusage. ESX Server version 2.1 and higher include esxtop and vmkusage. See Using vmkusage to Isolate Performance Problems on page 6 for a description of vmkusage. Starting esxtop Perform the following steps to start and set up esxtop
1. Using a secure shell (SSH), log on to the ESX Server machine as root. 2. Enter esxtop in the SSH command line. The esxtop display appears.



Note: The esxtop tool includes several interactive commands. To view a list of the interactive commands, enter h. 3.