



Symantec Education Services
Storage Foundation 5.0
Training Need Assessment

Any question without an answer will be considered as false, or as "Don't Know" answered.
After answering all the questions, validate your assessment by pressing the SEND button.

Section 1 of 4 — Storage Foundation Concepts

- Q1 *What is a benefit of the CDS disk feature?*
- A The boot partition on a CDS disk recovers faster after a failure
 - B CDS disks can be deported to previous versions of Volume Manager
 - C CDS disks can be moved between different operating systems
 - D The boot partition on a CDS disk can be mirrored across three disks
 - E Don't know
- Q2 *Which characteristic describes CDS disks?*
- A Private region and public region are created on a single partition
 - B Suitable for boot partitions
 - C Unsuitable for moving between different operating systems
 - D Default disk type in Volume Manager 3.5 and earlier
 - E Don't know
- Q3 *When is a Volume Manager disk given a disk media name?*
- A When a volume is moved to a new disk group
 - B When the disk is split between disk groups
 - C When the disk is added to a disk group
 - D When a volume is created in the disk group
 - E Don't know
- Q4 _____ *represent management and configuration boundaries and enables you to organize disks into logical collections*
- A Volumes
 - B Plexes
 - C Subdisks
 - D Disk Groups
 - E Don't know

Q5 Which Volume Manager object is a structured or ordered collection of subdisks that represents one copy of the data in a volume?

- A Volume
- B Disk Group
- C Plex
- D Node
- E Don't know

Q6 Which layout is defined as the mapping of data in a linear manner across two or more disks?

- A Concatenation
- B Striped
- C mirrored
- D striped-concat
- E Don't know

Section 2 of 4 — Managing Storage with Storage Foundation

Q7 Within the New Disk Group Wizard in VEA, what is the minimum number of disks that must be selected to create the new disk group?

- A 0
- B 1
- C 2
- D 3
- E Don't know

You want to display all of the disk groups that are currently imported on your system.

Q8 Which command will perform this function?

- A vxdg import
- B vxdisk dglist
- C vxvm -dg list
- D vxdg list
- E Don't know

You want to display all disk groups in the system, including deported disk groups.

Q9 Which command will perform this function?

- A vxdg list
- B vxdg -a alldgs list
- C vxdisk list alldgs
- D vxdisk -o alldgs list
- E Don't know

You want to remove the datadg01 disk from the datadg disk group and remove the public and private regions from the disk. The disk has data that you want to retain.

Q10 *Which sequence of commands accomplishes this?*

- A vxdiskunsetup vxdg rmdisk vxevac
- B vxdg rmdisk vxevac vxdiskunsetup
- C vxremove vxdg evac vxdisk rmdisk
- D vxevac vxdg rmdisk vxdiskunsetup
- E Don't know

You need to rename a Volume Manager controlled disk.

Q11 *Which command will perform this function?*

- A vxedit rename
- B vxdisk rename
- C vxdg rename
- D vxdisk newname
- E Don't know

You need to deport the disk group acctdg and rename it as paydg at the same time.

Q12 *Which command will perform this function?*

- A vxdg -r acctdg deport paydg
- B vxdg -d paydg deport acctdg
- C vxdg -n acctdg deport paydg
- D vxdg -n paydg deport acctdg
- E Don't know

Your system has a volume with the traditional mirror-stripe layout that consists of four disks. The volume consists of: Subdisk1 and Subdisk2, which are in Plex1; Subdisk3 and Subdisk4 which are in Plex2.

Q13 *What is the volume status if Subdisk1 and Subdisk4 both fail?*

- A The volume remains up because of mirroring
- B The volume is down because both plexes are detached
- C The volume remains up because of striping
- D The volume goes into REBUILD status
- E Don't know

You want to create a volume from the command line.

Q14 *Which command will perform this function?*

- A vxdg make vol
- B vxvol new
- C vxassist make
- D vxdisk new vol
- E Don't know

You want to display information about disk groups, disk media, volumes, plexes, and subdisks.

Q15 *Which command will perform this function?*

- A vxdisk
- B vxdctl
- C vxprint
- D vxdg
- E Don't know

You want to remove the volume expvol. The volume exists in the disk group acctdg.

Q16 *Which command will perform this function?*

- A vxassist -g acctdg remove volume expvol
- B vxremove -g acctdg remove volume expvol
- C vxassist -g acctdg destroy volume expvol
- D vxdg -g acctdg destroy volume expvol
- E Don't know

You want to mirror the volume payvol that exists in the disk group hrdg, using the disk hrdg03.

Q17 *Which command will perform this function?*

- A vxmirror -g hrdg addmirror payvol hrdg03
- B vxassist -g hrdg newmirror payvol hrdg03
- C vxdisk -g hrdg mirror payvol hrdg03
- D vxassist -g hrdg mirror payvol hrdg03
- E Don't know

Q18 *Which steps are necessary to add a file system to a volume from the command line?*

- A Create the file system using OS-specific file system creation commands. Create a mount point directory on which to mount the file system. Mount the volume to the mount point by using the mount command
- B Create the file system using OS-specific file system creation commands. Deport the volume and run a file system check. Mount the raw device name to the mount point
- C Create the file system using OS-specific file system creation commands. File system check disk device. Execute the vxvol -mount command
- D Create a mount point directory to mount the file system. Create the file system using OS-specific file system creation commands. Execute the vxdisk -mount command
- E Don't know

The datavol volume is in the datadg disk group. A VxFS file system is mounted on the volume.

You want to use VEA to resize the volume.

Q19 *Which statement is correct?*

- A You cannot resize a volume by using VEA. You must use the command line to perform this task
- B When you resize the volume by using VEA, the file system is also resized by default
- C When you resize the volume by using VEA, the file system is NOT automatically resized. You can resize the file system as a separate task in VEA
- D You can resize the volume by using VEA, but the file system cannot be resized using VEA. You must resize the file system as a separate task from the command line
- E Don't know

You want to shrink the volume payvol to a length of 20 MB and resize the file system at the same time. The volume is in the disk group hrdg.

Q20 *Which command will perform this function?*

- A vxassist -g hrdg shrinkby payvol 20m
- B vxassist -g hrdg shrinkto payvol 20m
- C vxresize -g hrdg payvol +20m
- D vxresize -g hrdg payvol 20m
- E Don't know

Q21 *Describe the correct procedure to allow a non-layered mirror-stripe volume to be changed while remaining online to a layered stripe-mirror volume using Storage Foundation*

- A Unmount the file system, leave the volume started, convert the volume, remount the file system
- B Unmount the file system, stop the volume, convert the volume, start the volume, remount the file system
- C Resync the volume, convert the volume, mirror the volume
- D Convert the volume only
- E Don't know

Q22 *Which daemon is NOT used by Volume Manager for its operation?*

- A vxconfigd
 - B vxiod
 - C vxrelocd
 - D vxvolumed
 - E Don't know
-

Section 3 of 4 — Storage Foundation Performance Monitoring, Troubleshooting, and Recovery

- Q23 *Volume Manager defines a disk as FAILING if _____*
- A There are uncorrectable I/O failures on the public region of the drive, but VxVM can still access the private region
 - B VxVM cannot access the private region or the public region
 - C VxVM can access the public region of the drive, but there are uncorrectable I/O failures on the private region of the drive
 - D There are failures on slice 8 of the disk
 - E Don't know
- Q24 *After a permanent disk failure, the status of the disk is listed as _____*
- A UNENABLED
 - B NODEVICE
 - C DISCONNECTED
 - D INACTIVE
 - E Don't know
- Q25 *What is the primary reason to use the vxreattach command instead of explicitly attaching the disk media name to a disk drive?*
- A Permanent disk failures caused a disk media name detach. The disk drive was replaced
 - B One plex of a redundant volume became stale and requires resynchronization
 - C Temporary disk failures caused a disk media name detach. The disk drive was NOT replaced
 - D A second plex needs to be added in order to provide data storage redundancy
 - E Don't know
- Q26 *The ACTIVE plex state indicates that _____*
- A VxVM has reason to believe that the data in the plex is not synchronized with the data in the CLEAN plexes
 - B The plex does not participate in any I/O when it is offline, so the contents become outdated if the volume is actively written to
 - C It has not been defined which plex has the good data, and which plex does not have the good data
 - D The volume is or was currently started, and the volume is or was able to perform I/O
 - E Don't know

You have a nonredundant concatenated volume called datavol in a disk group called datadg. The volume has a file system on it. One of the underlying disks of the volume called datadg02 fails temporarily due to a power failure. You fix the problem with the power failure, and the disk is powered back on. You ensure that both the system and VxVM can see the disk again. Then you reattach the disk back to the disk media record.

Q27 *Which command do you execute next to be able to run fsck on the file system?*

- A vxvol -g datadg start datavol
- B vxrecover -s datavol
- C vxrecover -ns
- D vxvol -g datadg -f start datavol
- E Don't know

A volume called datavol in the disk group named datadg has two plexes. The plexes are named P1 and P2. Due to a series of failures, the P1 plex ends up in DISABLED/RECOVER state, and the P2 plex ends up in DISABLED/STALE state. As the administrator, you are aware of the series of failures, and you know that the data on the P1 plex is still valid and has the most recent copy of your data. You want to recover the volume.

Q28 *Which sequence of commands do you execute?*

- A vxmend -g datadg fix stale P1 vxmend -g datadg fix clean P1 vxrecover -s datavol
- B vxmend -g datadg fix clean P1 vxrecover -s datavol
- C vxmend -g datadg fix clean P1 vxmend -g datadg fix clean P2 vxvol -g datadg start datavol
- D vxmend -g datadg off P2 vxrecover -ns vxvol -g datadg start datavol
- E Don't know

You have executed the vxdg -g diskgroup adddisk disk_name=<device_name> command.

Q29 *Which switch needs to be added to force VxVM to take the disk media name of the failed disk and assign it to the new replacement disk?*

- A -force
- B -k
- C -f
- D -assign
- E Don't know

Q30 *Which command usually has to be run with temporary disk failures before vxrecover and can also call vxrecover as part of its processing?*

- A vxdg
- B vxvol
- C vxreattach
- D vxplex
- E Don't know

Q31 *After selecting the volume to be recovered using VEA, what is the navigation path to start the recovery?*

- A Actions --> Recover Volume
- B File --> Recover --> Volume
- C Tools --> Volume --> Recover
- D Edit --> Volume Recover
- E Don't know

Q32 *Which daemon monitors changes to the VxVM configuration and automatically records any configuration changes that occur?*

- A vmconfigd
- B vxmonitord
- C vxconfigbackupd
- D vmbkupmond
- E Don't know

Q33 *The vxconfigrestore utility is provided for restoring the configuration. What are the two stages in the restoration process?*

- A Monitor and cover
- B Monitor and commit
- C Precommit and cover
- D Precommit and commit
- E Don't know

Section 4 of 4 — Additional Management Questions

Q42 *After initializing a disk for use in Volume Manager, which command is used to create a disk group named datadg on a device shown as device_tag and using a disk media name of datadg01?*

- A vxassist create datadg datadg01=device_tag
- B vxdg create datadg datadg01=device_tag
- C vxdg init datadg datadg01=device_tag
- D vxassist -g datadg init datadg01=device_tag
- E Don't know

In the output of the vxdisk list command, there are no entries in the DISK and GROUP columns. However, you see online invalid in the output of the STATUS column.

Q43 *What does the online invalid status indicate?*

- A The disk is failing and needs to be replaced for future use in Volume Manager.
- B The disk is incompatible with the current release of Volume Manager.
- C The disk is available for initialization or encapsulation by Volume Manager.
- D The disk is available for use and has encapsulated data deported on another system.
- E Don't know

A mirrored volume is in the DISABLED state on your system, and you need to indicate that data inside a certain plex is either bad or outdated.

Q44 *Which command is used to mark this plex appropriately?*

- A vxvol mark plex offline
- B vxmend fix stale plex
- C vxplex repair plex mirror
- D vxrecover plex disable
- E Don't know

The datadg disk group contains four disks. A 100 MB volume named test is striped across two disks with a stripe unit size of 4K. The following vxtrace output was generated:

3601 START write vdev test block 115392 len 64 concurrency 1 pid 6948

3602 START write disk c1t8d0s2 op 3601 block 57696 len 8

3603 START write disk c1t9d0s2 op 3601 block 57696 len 8

3604 START write disk c1t8d0s2 op 3601 block 57704 len 8

3605 START write disk c1t9d0s2 op 3601 block 57704 len 8

3606 START write disk c1t8d0s2 op 3601 block 57712 len 8

3607 START write disk c1t9d0s2 op 3601 block 57712 len 8

3608 START write disk c1t8d0s2 op 3601 block 57720 len 8

3609 START write disk c1t9d0s2 op 3601 block 57720 len 8

3602 END write disk c1t8d0s2 op 3601 block 57696 len 8 time 0

3603 END write disk c1t9d0s2 op 3601 block 57696 len 8 time 0

3604 END write disk c1t8d0s2 op 3601 block 57704 len 8 time 1

3606 END write disk c1t8d0s2 op 3601 block 57712 len 8 time 1 3608

END write disk c1t8d0s2 op 3601 block 57720 len 8 time 1 3605

END write disk c1t9d0s2 op 3601 block 57704 len 8 time 1 3607

END write disk c1t9d0s2 op 3601 block 57712 len 8 time 1 3609

END write disk c1t9d0s2 op 3601 block 57720 len 8 time 1 3601

END write vdev test op 3601 block 115392 len 64 time 1

Assume one block is equivalent to 512 bytes. (Solaris-style disk names are not relevant.)

Q46 *How many writes did Volume Manager perform to each disk?*

- A one
- B two
- C four
- D eight
- E Don't know

Q47 Which three conditions must exist when executing the `vxmend fix clean plex` command? (Choose three.)

- A The associated volume must be in the DISABLED state.
- B The plexes must be ONLINE and ACTIVE.
- C There is no other plex that has a state of CLEAN.
- D All of the plexes must be in STALE or OFFLINE states.
- E The associated volume must be in the ENABLED state.

Q48 After a system crash and reboot, all plexes of a volume that are marked with a plex state of ACTIVE, but also marked with a plex kernel state of DISABLED, have their data recovered by the _____ task.

- A `vxvol resync`
- B `vxresync recover`
- C `vxiod resync`
- D `vxconfigd recover`
- E Don't know

Plexes in a two-way mirror are out of sync. Data in one plex is stale while the other is clean.

Q49 Which type of resynchronization will be carried out to recover the volume?

- A `read-writesync`
- B `read-writeback`
- C `atomic-sync`
- D `atomic-copy`
- E Don't know

Q50 What is the result of executing the command `vxdbg -tC -n appldg import datadg`?

- A The `appldg` disk group is renamed as `datadg` and forcibly imported to a new host.
- B The `appldg` disk group is temporarily imported using the new name `datadg` and import locks are cleared upon import.
- C The `datadg` disk group is temporarily imported using the new name `appldg` and import locks are cleared upon import.
- D The `datadg` disk group is forcibly imported under the new name `appldg`, unless import locks exist, in which case the import fails.
- E Don't know

A system error has left no plex in a CLEAN or ACTIVE state. You are certain that the data is valid.

Q51 What is the first thing that needs to be performed as part of volume recovery?

- A place one plex in a CLEAN state
- B place one plex in an ACTIVE state
- C reattach the plex
- D start the volume
- E Don't know

Failed disks have been replaced on a system where the Volume Manager configuration has been backed up. There seems to be a conflict in your Volume Manager backup configurations.

Q52 How do you specify the specific disk group to be restored in this scenario?

- A by disk group name
- B by oldest backup date
- C by disk group ID
- D by latest backup date
- E Don't know

SYMANTEC Education Assessment

Vos Coordonnées

Tous les champs doivent contenir des données valides

Prénom:

Nom

Société

Type de société

Activité

Titre

Fonction

Téléphone

Email:

Adresse 1

Adresse 2

Ville

Etat/Province

Pays

Code Postal

Préférence Email

HTML

Text only

Produit Utilisé

Nombre d'employés sur
votre site

Oui, je souhaite recevoir des informations à propos des produits et
services SYMANTEC par courriel