Veritas

Exam VCS-255

Administration of Veritas Storage Foundation 6.1 for UNIX

Version: 5.0

[Total Questions: 408]

Topic break down

Topic	No. of Questions
Topic 1: Volume A	100
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Topic 4: Volume D	108

Topic 1, Volume A

Question No : 1 - (Topic 1)

Which display command consolidates information from Veritas Volume Manager (VxVM) and Veritas File System (VxFS)?

A. vxprint
B. vxadm
C. vxsfadm
D. vxlist

Answer: D

Question No : 2 - (Topic 1)

The vxassist convert command can be used to convert between which two volume layouts? (Select two.)

A. mirror-stripe to stripe-mirror
B. mirror-stripe to RAID-5
C. concat-mirror to concat
D. mirror-stripe to stripe
E. concat-mirror to mirror-concat

Answer: A,E

Question No : 3 - (Topic 1)

A disk group with four disks contains a two-column striped and mirrored volume.

Which step must be performed first to change the volume to have three columns without losing the redundancy?

A. use the vxassist command to relayout the volume
B. use the vxrelayout command to relayout the volume
C. use the vxassist command to convert the volume

D. use the vxdg command to add two disks to the disk group

Answer: D

Question No : 4 - (Topic 1)

Which Storage Foundation utility is used to generate random read and random write workloads so that the performance of a file system can be analyzed?

A. vxbench
B. vxtrace
C. vxstat
D. vmstat

Answer: D

Question No : 5 - (Topic 1)

Which advantage does the Data Change Object (DCO) feature provide?

A. optimized resynchronization of stale volume data
B. optimized SmartMove
C. optimized replication of volume data
D. optimized file compression

Answer: A

Question No : 6 - (Topic 1)

Given the following command:

vxassist -g datadg make datavol 10g layout=stripe !ctrl:c2

Which instruction does the !ctrl:c2 attribute prompt Veritas Storage Foundation 6.1 for UNIX to follow?

A. to exclude devices connected to controller c2
B. to use only devices connected to controller c2
C. to use two LUNs to create the volume
D. to stripe across LUNs on c2 only

Answer: A

Question No : 7 - (Topic 1)

Where do the private and public regions of Cross-platform Data Sharing (CDS) formatted disks reside?

A. on separate disk slices
B. on a single disk slice
C. on reserved slices
D. on a boot slice

Answer: B

Question No : 8 - (Topic 1)

Which two Veritas Storage Foundation 6.1 for UNIX components are required to perform thin reclamation on a thin provision capable array? (Select two.)

A. Dynamic Multi-Pathing
B. Veritas Operations Manager (VOM)
C. FlashSnap
D. Veritas File System (VxFS)
E. Intelligent Storage Provisioning (ISP)

Answer: A,D

Question No : 9 - (Topic 1)

What is the recommended placement of the Symantec Mail Security 8300 product in the network?

A. at the perimeter of the network
B. behind other SMTP filtering products
C. behind other SMTP relays
D. directly in front of the firewall

Answer: A

Why is FastResync enabled automatically for volumes created on thin LUNs?

A. Volumes based on thin LUNs are more likely to require resync than volumes based on thick LUNs.
B. To ensure thin LUNs remain thin should resync be required.
C. To ensure data written to volumes based on thin LUNs is persistent.
D. Resync for volumes based on thin LUNs is slower than resync for volumes based on thick LUNs and FastResync bridges this performance gap.

Answer: B

Which command should be used to manage the contents of volboot?

A. vxvolboot
B. vxdctl
C. vxedit
D. vxconfigd

Answer: B

Refer to the exhibit.

```
v  appvol       -           ENABLED  ACTIVE  204800  SELECT   -          fsgen
pl appvol-01    appvol      ENABLED  ACTIVE  205056  STRIPE   3/128      RW
sd appdg01-01   appvol-01   appdg01  0       68352   0/0      emc0_dd7   ENA
sd appdg02-01   appvol-01   appdg02  0       68352   1/0      emc0_dd8   ENA
sd appdg03-01   appvol-01   appdg03  0       68352   2/0      emc0_dd9   ENA
pl appvol-02    appvol      ENABLED  ACTIVE  205056  STRIPE   3/128      RW
sd appdg04-01   appvol-02   appdg04  0       68352   0/0      emc0_d10   ENA
sd emc0_d11-01  appvol-02   emc0_d11 0       68352   1/0      emc0_d11   ENA
sd emc0_d12-01  appvol-02   emc0_d12 0       68352   2/0      emc0_d12   ENA
```

What is the layout of the volume?

A. concat-mirror
B. mirror-stripe
C. mirror-concat
D. stripe-mirror

Answer: B

Question No : 13 - (Topic 1)

An organization is trading in an array and needs to securely clean file system data.

Which command should the administrator use to shred the data?

A. vxassist
B. vxdiskunsetup
C. mkfs
D. fsadm

Answer: B

Question No : 14 - (Topic 1)

Refer to the exhibit.

```
v  appvol       -              ENABLED  ACTIVE    2097152  SELECT    appvol-04 fsgen
pl appvol-04    appvol         ENABLED  ACTIVE    2097408  STRIPE    3/128     RW
sv appvol-S01   appvol-04      appvol-L01 1       699136   0/0       2/3       ENA
v2 appvol-L01   -              ENABLED  ACTIVE    699136   SELECT    -         fsgen
p2 appvol-P01   appvol-L01     DISABLED IOFAIL    699136   CONCAT    -         RW
s2 appdg02-01   appvol-P01     appdg02  766976    699136   0         emc0_dd8  ENA
p2 appvol-P02   appvol-L01     ENABLED  ACTIVE    699136   CONCAT    -         RW
s2 appdg04-02   appvol-P02     appdg04  0         699136   0         emc0_d10  ENA
p2 appvol-P03   appvol-L01     ENABLED  ACTIVE    699136   CONCAT    -         RW
s2 appdg07-02   appvol-P03     appdg07  0         699136   0         3pardata0_50 ENA
sv appvol-S02   appvol-04      appvol-L02 1       699136   1/0       2/3       ENA
v2 appvol-L02   -              ENABLED  ACTIVE    699136   SELECT    -         fsgen
p2 appvol-P04   appvol-L02     ENABLED  ACTIVE    699136   CONCAT    -         RW
s2 appdg02-02   appvol-P04     appdg02  0         699136   0         emc0_dd8  ENA
p2 appvol-P05   appvol-L02     ENABLED  ACTIVE    699136   CONCAT    -         RW
s2 appdg05-02   appvol-P05     appdg05  0         699136   0         emc0_d11  ENA
p2 appvol-P06   appvol-L02     DISABLED NODEVICE  699136   CONCAT    -         RW
s2 appdg08-02   appvol-P06     appdg08  0         699136   0         -         NDEV
sv appvol-S03   appvol-04      appvol-L03 1       699136   2/0       2/3       ENA
v2 appvol-L03   -              ENABLED  ACTIVE    699136   SELECT    -         fsgen
p2 appvol-P07   appvol-L03     ENABLED  ACTIVE    699136   CONCAT    -         RW
s2 appdg03-02   appvol-P07     appdg03  0         699136   0         emc0_dd9  ENA
p2 appvol-P08   appvol-L03     DISABLED NODEVICE  699136   CONCAT    -         RW
s2 appdg06-02   appvol-P08     appdg06  0         699136   0         -         NDEV
p2 appvol-P09   appvol-L03     ENABLED  ACTIVE    699136   CONCAT    -         RW
s2 appdg09-02   appvol-P09     appdg09  0         699136   0         3pardata0_52 ENA
dc appvol_dco   appvol         appvol_dcl
v  appvol_dcl   -              ENABLED  ACTIVE    67840    SELECT    -         gen
pl appvol_dcl-01 appvol_dcl    DISABLED NODEVICE  67840    CONCAT    -         RW
sd appdg01-03   appvol_dcl-01 appdg01 699136   67840    0         -         NDEV
pl appvol_dcl-02 appvol_dcl    ENABLED  ACTIVE    67840    CONCAT    -         RW
sd appdg02-03   appvol_dcl-02 appdg02 699136   67840    0         emc0_dd8  ENA
```

The appvol volume contains a Veritas File System (VxFS) file system and is mounted to /app. The volume has experienced multiple disk failures.

What is the state of the data on the mounted file system?

A. unavailable
B. corrupted
C. partially available
D. fully accessible

Answer: D

Question No : 15 - (Topic 1)

What are two advantages of a properly configured striped volume layout? (Select two.)

A. provides hot-relocation
B. provides load balancing
C. improves performance
D. provides data redundancy

E. improves reliability

Answer: B,C

Question No : 16 - (Topic 1)

A system with a single, locally mounted file system loses power and is subsequently restarted. All hardware is functioning properly and the intent log is valid. The administrator then mounts the file system using the mount command.

What is the expected behavior?

A. Mount will replay the intent log.
B. Mount prints an error stating that afsck log replay will be required.
C. Mount succeeds silently as normal.
D. Mount prints an error message stating that a full fsck will be required.

Answer: A

Question No : 17 - (Topic 1)

Which command line utility is used to view Veritas Volume Manager (VxVM) plexes?

A. vxdisk
B. vxdg
C. vxplex
D. vxprint

Answer: D

Question No : 18 - (Topic 1)

A volume manager disk, EMC_10, in diskgroupappdg is used for a 30G simple volume and it is mounted. An administrator needs to relocate the disk EMC_10 and its associated volume from diskgroupappdg to webdg while preserving the user data.

Which command(s) should the administrator use after unmounting the file system?

A. vxdisk reclaim EMC_10; vxdg -g webdgadddisk EMC_10

B. vxdg -g appdgrmdisk EMC_10; vxdg -g webdgaddisk EMC_10

C. vxdg move appdgwebdg EMC_10

D. vxdg migrate appdgwebdg EMC_10

Answer: C

Question No : 19 - (Topic 1)

Which two Symantec Mail Security 8300 Control Center components can be used to store email security violations? (Select two.)

A. Suspect virus quarantine

B. Email virus logging

C. Message audit logs

D. Email spam quarantine

E. Instant message quarantine

Answer: A,D

Question No : 20 - (Topic 1)

Which command displays thin provisioning capable devices?

A. vxdisk

B. vxdefault

C. vxddladm

D. vxdmpadm

Answer: B

Question No : 21 - (Topic 1)

Which command attempts to repair a missing disk access record by finding the name of the device in the private region and matching it to an existing disk media record?

A. vxdisk