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VCS-261

Administration of Veritas InfoScale Storage 7.3 for UNIX/Linux



Version 1.0

Exam A

QUESTION 1

Which two methods can an administrator use to control the Veritas SmartIO caching of a file system? (Choose two.)

- A. the `smartiomode` mount option
- B. the `mincache` mount option
- C. the `sfcache` command
- D. the `vxcache` command
- E. the `fsadm` command

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

Reference: https://vox.veritas.com/legacyfs/online/veritasdata/smartio_blueprint_for_solaris.pdf

QUESTION 2

An administrator uses the command below to create a file system on a volume `appvol`.

```
# /opt/VRTS/bin/mkfs -t vxfs /dev/vx/rdisk/appdg/appvol 2TB
```

What is the block size of the file system?

- A. 1024
- B. 2048
- C. 4096
- D. 8192



Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: http://sort.symantec.com/public/documents/vif/7.0/aix/productguides/html/sf_admin/ch07s01.htm

QUESTION 3

An administrator executes the following command to initiate a deduplication dry run on the file system `/mnt1` and perform the actual deduplication if the threshold crosses 60 percent:

```
# fsdedupadm dryrun -o threshold=60 /mnt1
```

Which threshold should be met of the `fsdedupadm` command to perform an actual deduplication run?

- A. the percentage of file system disk usage
- B. the percentage of expected savings
- C. the percentage of scan completed
- D. the percentage of the dry run completed

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://sort.veritas.com/public/documents/vif/7.3/aix/manualpages/html/man/file_system/html/man1m/fsdedupadm.1m.html

QUESTION 4

Which two physical system resources are assigned to a specific site during the configuration of the site awareness feature? (Choose two.)

- A. Disks
- B. HBA
- C. NIC
- D. Memory
- E. System

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.veritas.com/content/support/en_US/doc/ka6j00000004GINAA2

QUESTION 5 What is a benefit of Veritas Extension for Oracle Disk Manager (ODM) for Oracle databases that reside on Veritas file systems?

- A. reduced system call overhead
- B. support for large file sizes
- C. improved synchronous writes
- D. enhanced data integrity

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: https://sort.veritas.com/public/documents/vie/7.2/aix/productguides/html/sfcfs_admin/ch21s01.htm

QUESTION 6 Which command consolidates and displays records of Veritas Volume Manager and Veritas File System?

- A. vxprint
- B. vxstat
- C. vxdiskadm
- D. vxlist

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7 What is the key benefit of file replication?

- A. synchronous replication
- B. asynchronous replication
- C. periodic replication
- D. continuous replication

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: https://sort.veritas.com/public/documents/vie/7.0/vmwareesx/productguides/html/sfhas_virtualization/ch01s04.htm **QUESTION 8** What is the default Dynamic Multi- Pathing path restoration policy?

- A. check_all
- B. check_alterate
- C. check_periodic
- D. check_disabled

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:**QUESTION 9**

What happens when the administrator changes the password on a managed host after it is added to a Veritas InfoScale Operations Manager domain?

- A. the managed host needs to be removed and added back to the Veritas InfoScale Operations Manager domain
- B. the operation of Veritas InfoScale Operations Manager remains unaffected, the password is only needed when the host is added initially
- C. the new credentials need to be reflected to the Veritas InfoScale Operations Manager using the “Security” tab of the “Settings” perspective
- D. the managed host needs to be removed and added back to the Veritas InfoScale Operations Manager domain and a “refresh” operation must be issued

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10 Which two commands can an administrator use to determine the approximate amount of free space in a disk group?
(Choose two.)

- A. vxassist
- B. vxdefault
- C. vxdisk
- D. vxdg
- E. vxdiskadm

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.veritas.com/support/en_US/article.100000497

QUESTION 11 Which command should an administrator use to guarantee data is cached when SmartIO is configured?

- A. vxcache set autocache
- B. sfcache preload
- C. vxassist cache pin
- D. sfcache pin

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 12**

Which two caching modes are supported by SmartIO when a Veritas file system is mounted on a Veritas volume in a non-virtual environment? (Choose two.)

- A. write caching
- B. write-back caching
- C. read caching
- D. read-back caching
- E. block-level read caching

Correct Answer: BC

Section: (none)

Explanation**Explanation/Reference:**

QUESTION 13 Which daemon performs thin reclamation asynchronously?

- A. vxattachd
- B. vxrelocd
- C. vxconfigd
- D. xprtld

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:**

QUESTION 14 The following command adds two snapshot mirrors to the volume `voll` on disks `mydg10` and `mydg11`.

```
# vxsnap -g mydg addmir voll nmirror=2 alloc=mydg10,mydg11
```

Which plex state indicates the snapshot is fully synchronized?

- A. SNAPREADY
- B. SNAPTMP
- C. SNAPDONE
- D. SNAPATT

Correct Answer: C

Section: (none)

Explanation**Explanation/Reference:**

Reference: http://sort.symantec.com/public/documents/sf/5.0/hpux/html/vxvm_admin/ag_ch_plexes_vm6.html

QUESTION 15 Which daemon provides the interface between Veritas Volume Manager commands and the kernel device drivers?

- A. vxiod
- B. vxconfigd
- C. vxrelocd
- D. vxvold

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16 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 automatically perform an intent log replay
- B. `mount` will print an error stating that an fsck log replay is required
- C. `mount` will succeed without intent log replay
- D. `mount` will mount the file system read-only until a full fsck is completed

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 17

Which process must be running for a Veritas InfoScale Operations Manager (VIOM) managed host to be added to one or more VIOM Management Servers?

- A. vxdclid
- B. vxconfigd
- C. xprtld
- D. sfmsecd

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18 Which InfoScale Storage object can be cached when SmartIO is enabled on a server?

- A. cache object
- B. subdisks
- C. VM disk
- D. volumes

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

Which SmartIO caching mode primarily supports the applications that run directly over raw volumes?

- A. block-level read caching
- B. write-back caching
- C. read-write caching
- D. block-level write caching

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: https://webcache.googleusercontent.com/search?q=cache:qXzM-7ypkR4J:https://www.veritas.com/content/support/en_US/doc/129675159-129675163-0/uxrt-731_v83990493-129675163+&cd=2&hl=en&ct=clnk&gl=pk&client=opera

QUESTION 20 Which utility should an administrator use to manage the volume configuration daemon vxconfigd?

- A. vxdctl
- B. vxiod
- C. vxinstall
- D. vxdiskadm

Correct Answer: A

Section: (none)

Explanation



Explanation/Reference:

Reference: https://www.veritas.com/content/support/en_US/doc/ka8j0000000PxjWAAS

QUESTION 21

Which Veritas InfoScale Operations Manager Add-on provides detailed information about the storage enclosures in the data center?

- A. the Fabric Insight Add-on
- B. the Storage Insight Add-on
- C. the Storage Provisioning and Enclosure Migration Add-on
- D. the Control Host Add-on

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22 Which command is used to grow a Veritas file system?

- A. fsmigadm
- B. fsadm
- C. fsappadm
- D. vxfsconvert

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23 How are primary and secondary roles determined in a Cluster File System cluster?

- A. All cluster file systems are initially mounted on the same node which is designated as the primary; all other nodes are secondaries.
- B. The first node where a cluster file system is mounted is designated as the primary for that file system; all other nodes are secondaries.
- C. The Cluster Volume Manager master node is designated as the primary; all other nodes are secondaries.
- D. The node with the lowest LLT ID is designated as the primary; all other nodes are secondaries.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.veritas.com/support/en_US/article.100017039

QUESTION 24 Portions of the same disk group were imported onto several systems at the same time resulting in conflicting configuration copies.

Which command should be used to resolve the conflict?

- A. vxreattach
- B. vxsplitlines
- C. vxrecover
- D. vxconfigrestore



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

Refer to the exhibit.

```

v   appvol - 04      -      ENABLED      ACTIVE      2097152      SELECT      appvol - 04      fs
p1  appvol - 04      appvol - 04      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      -      fs
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      -      fs
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      -      fs
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
p1  appvol_dcl - 01  appvol_dcl  DISABLED      NODEVICE     67840      CONCAT      -      RW
sd  appdg01 - 03     appvol_dcl - 01  appdg01      699136      67840      0      -      NDEV
p1  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 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. read-only
- C. partially available
- D. fully accessible

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26 A volume that contains strictly two data plexes and has four subdisks in each plex can have which two types of layouts?
(Choose two.)

- A. concat-mirror
- B. stripe-mirror
- C. stripe with parity

- D. mirror-concat
- E. mirror-stripe

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

Which log type can be enabled to track the changed regions of a volume due to I/O writes to a mirrored volume?

- A. Data Change Object (DCO)
- B. Storage Replicator Log (SRL)
- C. Dirty Region Log (DRL)
- D. Data Change Map (DCM)

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.adminschoice.com/veritas-volume-manager-vxassist>

QUESTION 28 What is the default read policy for a mirrored volume without site consistency enabled?

- A. prefer
- B. round
- C. select
- D. split



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29 Which two requirements must an administrator consider prior to implementing SmartIO?
(Choose two.)

- A. The device must have CDS disk format.
- B. Veritas file system (VxFS) disk layout must be version 9.
- C. Three nodes are required for VxFS writeback caching.
- D. Veritas Volume Manager (VxVM) disk group must be version 180.
- E. Cache must be local to each node.

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=8&ved=2ahUKEwjppKH167TkAhUNCxoKHbcfCdkQFjAHegQIAhAC&url=https%3A%2F%2Fvox.veritas.com%2Fqsuop67736%2Fattachments%2Fqsuop67736%2Fstorage-and-availability-management%2F285%2F1%2Fsmartio_deployment_guide_linux.pdf&usg=AOvVaw3qtL20B9QhgwWkma6JpW9z

QUESTION 30

Which object is stored in the private region of a Veritas Volume Manager disk?

- A. File Change Log
- B. FastResync maps
- C. Configuration database
- D. Storage Replicator Log

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31 Which two commands are used for thin reclamation?

(Choose two.)

- A. fsadm
- B. vxdctl C. vxdisk
- D. vxtune
- E. vxdmpadm

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

Refer to the exhibit.



v	datavol	-	ENABLED	ACTIVE	2097152	SELECT	datavol-03	fsgen
p1	datavol-03	datavol	ENABLED	ACTIVE	2097152	STRIPE	2/128	RW
sv	datavol-S01	datavol-03	datavol-L01	1	1048576	0/0	2/2	ENA
v2	datavol-L01	-	ENABLED	ACTIVE	1048576	SELECT	-	fsgen
p2	datavol - P01	datavol-L01	ENABLED	ACTIVE	1048576	CONCAT	-	RW
s2	datadg01-02	datavol-P01	datadg01	0	1048576	0	hds9500-alua0_6	ENA
p2	datavol-P02	datavol-L01	ENABLED	ACTIVE	1048576	CONCAT	-	RW
s2	datadg03-02	datavol-P02	datadg03	0	1048576	0	hds9500-alua0_8	ENA
sv	datavol-S02	datavol-03	datavol-L02	1	1048576	1/0	2/2	ENA
v2	datavol-L02	-	ENABLED	ACTIVE	1048576	SELECT	-	fsgen
p2	datavol-P03	datavol-L02	ENABLED	ACTIVE	1048576	CONCAT	-	RW
s2	datadg02 - 02	datavol-P03	datadg02	0	1048576	0	hds9500-alua0_7	ENA
p2	datavol-P04	datavol-L02	ENABLED	ACTIVE	1048576	CONCAT	-	RW
s2	datadg04-02	datavol-P04	datadg04	0	1048576	0	hds9500-alua0_9	ENA

What is the layout of the volume described in the `vxprint` output provided in the exhibit?

- A. mirrored volume with each mirror made up of concatenated subdisks (mirror-concat)
- B. mirrored volume with each mirror made up of striped subdisks (mirror-stripe)
- C. layered volume striped across mirrored subvolumes (stripe-mirror)
- D. layered volume formed by concatenation of mirrored subvolumes (concat-mirror)

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33 Veritas File System is an extent based file system.

Which two pieces of information form the basis of an extent? (Choose two.)

- A. inode number
- B. offset
- C. length
- D. format
- E. block size

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.veritas.com/content/support/en_US/doc/ka8j0000000PyB5AAK

QUESTION 34 Which Veritas Volume Manager (VxVM) disk format should an administrator use to allow a disk to be portable between operating systems?

- A. Simple Disk
- B. Partitioned Disk
- C. CDS Disk
- D. Sliced Disk



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35 Which two values for the `srlprot` attribute will stall the writes on the operating system when the RLINK is Connected (Choose two.)

- A. autodcm
- B. dcm
- C. fail
- D. override
- E. off

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

Reference: https://sort.veritas.com/public/documents/sf/5.0/solaris64/html/vvr_admin/ag_ch_repsettings_vvr7.html

QUESTION 36 Given the following command:

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

Which instruction does the `!ctrl:c2` attribute prompt Volume Manager to follow?

- A. to exclude devices connected to controller c2
- B. to exclude devices connected to all controllers except c2
- C. to exclude devices from enclosure named "ctrl"
- D. to exclude all but the fastest devices from controller c2

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37 Which benefit is acquired using SmartTier?

- A. the one-time assignment of application files to a storage class
- B. the automatic migration of files between storage types based on file system type
- C. the migration of files in response to application downtime
- D. the transparent move of data based on policies that implement business requirements

Correct Answer: A

Section: (none)

Explanation



Explanation/Reference:

Reference: https://www.veritas.com/content/support/en_US/doc/126237474-126237479-0/uxrt-73_v40229923-126237479

QUESTION 38 Which command should an administrator use to determine the SmartIO cache hit ratio for the `/data` file system?

- A. `vxcache stat /data`
- B. `sfcache stat /data`
- C. `vxstat smartio /data`
- D. `vxioadm stat /data`

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39 What is the function of a Veritas file system intent log?

- A. It improves file system I/O performance for file systems spanning volumes.
- B. It enables storage checkpoints for use in instant file system recovery.
- C. It provides fast file system recovery by way of journal log replay.
- D. It enables database to achieve raw partition I/O performance.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40 After every product installation, the installer creates an installation log file that is used for auditing, debugging, and future use.

What is the location of the installation log file?

- A. /opt/VRTS/install/installer
- B. /opt/VRTS/install/installer/log
- C. /opt/VRTS/install/logs
- D. /opt/VRTS/install

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: https://sort.symantec.com/public/documents/sf/5.0/aix/html/sfha_gsg/getting_started10.html

QUESTION 41 Which two details are available on the Deployment Report in Veritas InfoScale Operations Manager (VIOM)? (Choose two.)

- A. the version of the InfoScale product installed on the host
- B. the total storage allocated across enclosures by host
- C. the total number of deployment policies that are violated
- D. the number of hosts with InfoScale licenses installed
- E. how discovered storage is being consumed by host



Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42 An administrator wants to verify the name of the Veritas InfoScale Operations Manager (VIOM) management Server for a Managed Host.

Which file contains the desired information?

- A. /opt/VRTSsfmh/etc/xprtld.conf
- B. /var/opt/VRTSsfmh/mh_config.ver
- C. /var/opt/VRTSsfmh/HOST/sfm.dump
- D. /etc/default/sfm_resolv.conf

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

Which command should an administrator use to determine the existing Array Support Libraries (ASL) and supported disk arrays on an existing system?

- A. vxinfo
- B. vxddladm
- C. vxdmpadm
- D. vxcheckasl

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://sort.veritas.com/public/documents/sf/5.0/solaris64/html/sf_notes/rn_ch_notes_sol_sf32.html

QUESTION 44

Which two commands can an administrator use to remove the datadg02 disk from the datadg disk group based on the following configuration? (Choose two.)

	dg	datadg	default	default	80000	1086905353.6.treassun40		
dm		datadg01	Disk_0	auto	20351	143328960	-	
dm		datadg02	Disk_8	auto	20351	143328960	-	
v		data	-	ENABLED	ACTIVE	6146304	ROUND	- gen
pl		data-01	data	ENABLED	ACTIVE	6146304	CONCAT	- RW
sd		datadg01-05	data-01	datadg01	22539839	6146304	0	Disk_0 ENA
pl		data-02	data	ENABLED	ACTIVE	6146304	CONCAT	- RW
sd		datadg02-03	data-02	datadg02	22539840	6146304	0	Disk_8 ENA

- A. vxdg
- B. vxdiskunsetup
- C. vxplex
- D. vxdisk
- E. vxvol

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45 Which kernel module or plug-in defines array-specific procedures and commands used to select the path failover mechanism?

- A. Array Policy Module (APM)
- B. Array Support Library (ASL)
- C. Device Discovery Layer (DDL)
- D. Array Specific Module (ASM)

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

Which two Oracle database files can an administrator compress using the command `vxcompress`? (Choose two.)

- A. Infrequently accessed data files
- B. SYSTEM tablespace
- C. TEMPORARY tablespaces
- D. Read-only tablespaces
- E. SYSAUX tablespace

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

The `datavol` volume has yet to be started, its kernel state is DISABLED, and its plexes are synchronized.

The `datavol` volume is in which state?

- A. READY
- B. WAIT
- C. SYNC
- D. CLEAN

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

**QUESTION 48**

Which command should an administrator use to recreate the `/etc/vx/volboot` file in a Veritas Volume Manager environment where root disk is encapsulated?

- A. `vxconfigd`
- B. `vxdtl`
- C. `vxedit`
- D. `vxdiskadm`

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.veritas.com/support/en_US/article.100010415

QUESTION 49

The concatenated mirrored volume called `appvol` in `appdg` has 200MB and is mounted to `/app` as a Veritas file system. An administrator needs to expand the file system and volume by adding 100MB, but expanded only the volume using the following command.

```
# vxassist -g appdg growby appvol 100M
```

Which command should the administrator perform next to expand the file system, without changing the volume size?

- A. `fcladm`

- B. vxresize
- C. fsadm
- D. vxfsadm

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

Refer to the exhibit.

Directory Fragmentation Report

Dirs Searched	Total Blocks	Immed Dirs	Immeds to Add	Dirs to Reduce	Blocks to Reduce
total	10	4	7	1	0

File System Extend Fragmentation Report

Free Space Fragmentation Index	:	18
File Fragmentation Index	:	78



Files Fragmented by Fragmentation Index

0	1-25	26-50	51-75	76-100
7	10	0	18	21

...

blocks used for indirects: 560

% Free blocks in extents smaller than 64 blks: 60.22

% Free blocks in extents smaller than 8 blks: 4.68

% blks allocated to extents 64 blks or larger: 3.94

Which type of defragmentation should an administrator perform based on the information provided in the defragmentation report extract below.

- A. directory defragmentation
- B. extend defragmentation
- C. free space defragmentation
- D. inode defragmentation

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.veritas.com/support/en_US/article.100038164

QUESTION 51

Dynamic Multi-Pathing for VMware has an operating mode which enables the pooling of locally attached devices such as SSDs at the ESXi host layer.

Which feature should an administrator configure on the ESXi host running Veritas InfoScale?

- A. SmartIO
- B. SmartDisks
- C. SmartPool
- D. SmartMove

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

An administrator needs to provide storage for a critical database application that maximizes both database performance and protection against data loss.

Which storage configuration should the administrator select?

- A. RAID-5
- B. striping plus mirroring (mirrored-stripe or RAID-0+1)
- C. mirroring (RAID-1)
- D. mirroring plus striping (striped-mirror or RAID-1+0)

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53 Which command is used to display current file system I/O parameters for a Veritas file system?

- A. vxtune
- B. vxtunefs
- C. vxstat
- D. fsadm

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54 Which command configures a disk for use by InfoScale Storage for UNIX?

- A. vxdiskconfig
- B. vxdisksetup



- C. vxdg
- D. vxddmpadm

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55

How many days does an administrator have to either enter a valid license key or register a system with Veritas InfoScale Operations Management server if they have chosen to use keyless licensing during the installation of Veritas InfoScale Storage for UNIX/Linux?

- A. 30
- B. 60
- C. 90
- D. 45

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

An administrator has configured replication using Veritas Volume Replicator between two sites. The replication mode is set to asynchronous and the replication status is consistent and connected.

The performance of which component impacts the application write performance?

- A. write performance of the primary SRL volume
- B. write performance of the secondary SRL volume
- C. write performance of the data volumes at the primary site
- D. network latency between the primary and the secondary sites

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57 How many Veritas file system cache areas are supported by SmartIO?

- A. one cache of each cache type on each system
- B. one for read caching and one for write caching on each system
- C. one for read caching and one for write caching for each file system
- D. one for read caching and one for write-back caching for each file system

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 58 Which Veritas InfoScale for UNIX/Linux utility can an administrator use to upgrade the license key when a product or older license is already present on the system?

- A. vxleyless
- B. vxlicense
- C. vxlicinstupgrade
- D. vxlicrep

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59

The disk group `appdg` is imported onto `host01` using the `vx dg -t import appdg` command. Volumes have been started and file systems mounted. The system is then gracefully rebooted.

What happens to the `appdg` disk group after `host01` has restarted?

- A. The `appdg` disk group remains deported; any host that can access the `appdg` disk group can import it.
- B. The `appdg` disk group remains deported; only `host01` can import the disk group using the `vx dg importappdg` command.
- C. The `appdg` disk group is automatically imported; all volumes in the disk group are automatically started.
- D. The `appdg` disk group is automatically imported without starting the volumes or mounting the file systems.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 60 Which two features must be configured in order to manage storage with SmartTier?

(Choose two.)

- A. the placement class tag
- B. SmartTier management at disk level
- C. SmartTier with solid state disks
- D. VxFS single volume file system
- E. SmartTier management at file level

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 61

What are two benefits of the SmartIO feature when used with Online Transaction Processing (OLTP) workloads? (Choose two.)

- A. higher rate of database transactions
- B. inline data compression
- C. inline data de-duplication
- D. potential to reduce storage costs
- E. cached data is always encrypted

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 62 Which command should an administrator use to display the status when a volume layout is being changed?

- A. vxinfo
- B. vxvol
- C. vxstat
- D. vxrelayout

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.adminschoice.com/veritas-volume-manager-vxassist>

QUESTION 63 What is the first task an administrator must perform when configuring SmartTier on an InfoScale Storage server?

- A. create a multi-volume file system
- B. create a volume set
- C. identify files to relocate by turning on the file change log (FCL)
- D. define placement policies

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 64 Which Veritas InfoScale Cluster File System module communicates change in cluster membership to the fencing module (VxFEN)?

- A. Global Atomic Broadcast (GAB)
- B. Low Latency Transport (LLT)
- C. Global Lock Manage (GLM)
- D. High Availability Daemon (HAD)

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://support.hpe.com/hpsc/doc/public/display?docId=c02818291> (34)

QUESTION 65 What is the advantage of making storage checkpoints automatically accessible through a directory named `.checkpoint` in the root of the file system?

- A. It ensures a storage checkpoint is automatically deleted under certain conditions.
- B. It eliminates the need for manually mounting storage checkpoints.
- C. It ensures the inode number of a file is different across storage checkpoints.
- D. It automatically creates a new storage checkpoint as changes are made to the file system.



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 66

Which two Veritas Volume Manager commands can an administrator use to print statistical information on one or more disks? (Choose two.)

- A. vxddmpadm iostat
- B. vxinfo
- C. vxdisk -iostat
- D. vxstat
- E. vxbench

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

Reference: http://student.ing-steen.se/unix/Veritas/veritas3.5/vm301_cli_236739.pdf

QUESTION 67

Which Veritas InfoScale Storage for UNIX/Linux user interface provides a menu-driven, text-based interface for performing some disk and disk group administration?

- A. Veritas Enterprise Administrator (VEA)
- B. Veritas InfoScale Operations Manager (VIOM)
- C. vxedit
- D. vxdiskadm



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 68 Which attribute is used to create more than two mirrors of a volume?

- A. nmirror
- B. ncol
- C. mirror
- D. snapshot

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 69 Which attribute determines the maximum file system size achievable when creating a file system?

- A. the intent log size

- B. the allocation unit size
- C. the block size
- D. the inode structure size

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.oracle.com/cd/E19668-01/875-3882-10/875-3882-10.pdf> (30)

QUESTION 70

Which option should an administrator use with the `vxsnap` command to resynchronize a full-sized, space-optimized or linked break-off snapshot with the original volume?

- A. `refresh`
- B. `reattach`
- C. `restore`
- D. `prepare`

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 71 An administrator uses the command shown below to create volume `volzebra` in the disk group `mydg`:

```
vxassist -b - g mydg make volzebra 10g layout=atripe
```

What is the default number of stripe columns for the volume?

- A. 2
- B. 3
- C. 4
- D. 5

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 72 Which command should an administrator use to clear the `failing` flag on a disk?

- A. `vxmend`
- B. `vxedit`
- C. `vxrecover`
- D. `vxreattach`

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 73

Each Veritas Volume Manager disk group has a configuration database that contains persistent configuration data (or metadata) about the objects in the disk group.

Where is VxVM internal configuration information stored?

- A. in the table of contents of the VxVM managed disk
- B. in the private region of the VxVM managed disk
- C. in the public region of the VxVM managed disk
- D. in the file allocation table of the VxVM managed disk

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 74 Which file contains the name of the site to which the host belongs on a site-aware InfoScale Storage system?

- A. /etc/vx/.site
- B. /etc/hosts
- C. /etc/vx/sites
- D. /etc/vx/volboot

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 75 What are two benefits of virtual storage using Veritas InfoScale Storage for UNIX/Linux? (Choose two.)

- A. The ability to resize storage across physical devices is available.
- B. A lesser number of disks are needed.
- C. Improved storage availability by mirroring between arrays is available.
- D. Enhanced file sharing is available.
- E. The ability to boot from Storage Area Network (SAN) for 4k sector devices is available.

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 76 What is the purpose of a Data Change Object (DCO)?

- A. to manage the FastResync maps for snapshot operations
- B. to hold all changed data on a volume that supports instant snapshots
- C. to replicate data from one plex to another when taking snapshots
- D. to identify the regions in a volume with active writes



Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.veritas.com/support/en_US/article.100004718

QUESTION 77 What is the default caching mode of a VxFS cache area for a specified mount point?

- A. nocaching
- B. write
- C. read
- D. write-back

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 78 Which Veritas InfoScale Storage feature is used when migrating Veritas File System data from thick to thin LUNs?

- A. SmartIO
- B. SmartMove
- C. Compression
- D. SmartTier



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 79 Which log file should an administrator view to identify the InfoScale Storage commands that have been executed on a system?

- A. vxcmdlog -1
- B. vxtranslog -1
- C. more /etc/vx/log/cmdlog
- D. more /etc/vx/log/tasklog

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.veritas.com/support/en_US/doc/129672940-129672944-0/uxrt-731_id-SF270739553-129672944

QUESTION 80 How does an administrator create and mount a Veritas cluster file system?

- A. create the cluster file system on a shared volume using `mkfs` and mount the file system using `-o cluster`
- B. create the cluster file system using `mkfs` with the `-o cluster` option and mount the file system using `-o shared`

- C. create the cluster file system on a shared volume using `mkfs` and mount the file system using `-o shared`
- D. create the cluster file system using `mkfs` with `-o shared` option and mount the file system using `-o cluster`

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 81 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. `vxdisk`
- B. `vxdiskunsetup`
- C. `vxdiskadm`
- D. `vxassist`

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference: