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Exam : 310-330

Title : Sun Certified Systems Installer for Sun Cluster 3.X

Ver : 10-27-08

QUESTION 1

What is the main function of the terminal server?

- A. provide remote console access to cluster nodes
- B. provide ssh access to cluster nodes
- C. provide telnet access to cluster nodes
- D. provide secure console access to the administrative workstation

Answer: A

QUESTION 2

Which slice on the rootdisk (c0t0d0) can be used for local state database replicas?

- A. slice 3
- B. slice 6
- C. slice 1
- D. any free slice
- E. slice 0

Answer: D

QUESTION 3

In which case is it unnecessary to register a disk group in the Sun Cluster environment?

- A. if it is a local disk group other than rootdg
- B. if it is a shared disk group used in CVM installation
- C. if the disk group already exists
- D. if it is a disk group configured with internal disks
- E. if the disk group is imported manually

Answer: B

QUESTION 4

What setup allows you to call apachectl start to test your configuration before it is integrated into the cluster and have it find your httpd.conf file, regardless of its location?

- A. Make sure you put your configuration file in /etc/apache. This is the only place it can go.
- B. It is impossible to manually test your apache configuration before you set up the resources and resource groups.
- C. Manually edit the apachectl script (or a copy) and set it up to start the httpd daemon with a -f option pointing to your configuration file.
- D. You do not need to set up anything. The apachectl start command searches your file system for possible httpd.conf files and presents you a menu of what you want to use.

Answer: C

QUESTION 5

Which statement regarding the private network is true?

- A. The SCI interface is supported in a Sun Cluster 3.x environment for sbus IO boards.
- B. SCI cables must be attached in a point-to-point configuration for all two-node clusters.
- C. SCI cables must be attached using switches for all two-node clusters.
- D. The SCI interface is supported in a Sun Cluster 3.x environment for PCI IO boards.

Answer: D

QUESTION 6

Which is an advantage of having /local/oracle-bin on a local disk group (i.e. localdg) which is only connected to one node, instead of having it as a file system in rootdg?

- A. VxVM will always by default set up a local disk group localdg.
- B. Your "oracle-bin" can only survive a VxVM upgrade if it is not in rootdg.
- C. A file system on a local disk group is always mounted, i.e. "oracle-bin" is always available.
- D. If upgrading the Solaris OS, you do not have to restore "oracle-bin" as it can be imported and mounted after the upgrade if it is not in rootdg.

Answer: D

QUESTION 7

Which two packages contain the Distributed Lock Manager of Oracle9i RAC on Sun Cluster 3.0? (Choose two.)

- A. SUNWudlmr
- B. SUNWdlm
- C. ORCLudlm
- D. VRTSdlm

Answer: A,C

QUESTION 8

Which two resources does the EIS CD-ROM include to enable the delivery of high-quality, consistent, and supportable installations for Sun equipment? (Choose two.)

- A. Solaris software
- B. Technical installation checklists
- C. All necessary application software for the installation
- D. Defined set of deliverables

Answer: B,D

QUESTION 9

Which Sun TC command terminates a telnet connection to the TC?

- A. exit
- B. bye
- C. quit
- D. hangup

Answer: D

QUESTION 10

What mechanism ensures that a shared CVM disk group is properly imported at cluster boot time?

- A. the standard device group infrastructure (visible with scstat -D)
- B. extra cluster boot pieces included in the extra Sun Cluster packages required to support CVM
- C. No mechanism does it automatically. You must manually import the disk group if you are rebooting the whole cluster.
- D. the standard resource group infrastructure (visible with scstat -g)

Answer: B

QUESTION 11

In which case is it unnecessary to register a disk group in the Sun Cluster environment?

- A. if it is a disk group configured with internal disks
- B. if it is a shared disk group used in CVM installation
- C. if the disk group is imported manually
- D. if it is a local disk group other than rootdg
- E. if the disk group already exists

Answer: B

QUESTION 12

Where is the ccp binary located?

- A. /etc/opt/SUNWccn/bin
- B. /opt/SUNWcluster/bin
- C. /etc/opt/SUNWcluster/bin
- D. /usr/cluster/bin
- E. /usr/opt/SUNWcluster/bin

Answer: B

QUESTION 13

Which benefit results from using a terminal server in a cluster environment?

- A. resolved split brains
- B. remote access to the OBP on a cluster node
- C. network access to the administrative workstation
- D. access to a GUI

Answer: B

QUESTION 14

Which two goals are included in the EIS standards? (Choose two.)

- A. Minimize errors during installation
- B. Perform custom installations
- C. Deliver consistency and quality in system installation
- D. Install systems without applying patches
- E. Complete standardized documents

Answer: A,C

QUESTION 15

What is the command used to configure the netmask on the Sun TC?

- A. addr
- B. image
- C. ports
- D. sequence

Answer: A

QUESTION 16

How do you increase the number of NFS server threads in the Sun Cluster environment?

- A. By setting the Nfs_threads extension property for the NFS resource.
- B. You cannot increase the number because the default of 16 threads is required.
- C. By editing the /etc/init.d/nfs.server script on each node.
- D. By creating a configuration file in the administrative filesystem.

Answer: C

QUESTION 17

Which statement accurately describes how volume management software must be

installed and configured in a pair+1 cluster?

- A. If managing the root disks and shared storage with SDS/SVM, then all nodes must have identical entries for the vxio device driver in the /etc/name_to_major file.
- B. If managing the root disks and shared storage with VxVM, then the node unattached to storage does not need to install VxVM software.
- C. If managing the root disks with SDS/SVM and managing shared storage with VxVM, then the node unattached to storage must install VxVM software.
- D. If managing the root disks with SDS/SVM and managing shared storage with VxVM, then the node unattached to storage must create an entry in the /etc/name_to_major file for the vxio device that matches the entries on the other two cluster nodes.

Answer: D

QUESTION 18

You have clustered two v880 servers which have internal FCAL drives and you need to enable Sun Traffic Manager Software. You remember that STMS is not supported on internal fibre controllers.

How do you exclude the internal controller from STMS?

- A. Add an entry to the /kernel/drv/jnic.conf to set mpzio_disable=ues on the internal controller path and reboot.
- B. Add an entry to the /kernel/drv/scsi_vhci.conf to set mpzio_disable=ues on the internal controller path and reboot.
- C. Add an entry to the /kernel/drv/qlc.conf to set mpzio_disable=ues on the internal controller path and reboot.
- D. Add an entry to the /kernel/drv/ssd.conf to set mpzio_disable=ues on the internal controller path and reboot.

Answer: C

QUESTION 19

In SC3.0, which two must be true for all adapters that are members of the same NAFO group? (Choose two.)

- A. They must all be connected to the same subnet.
- B. You must have an /etc/hostname.adp file for all of them.
- C. They must all use different MAC addresses.
- D. You must have an /etc/hostname.adp file for exactly one of them.

Answer: A,D

QUESTION 20

Which is NOT provided to the customer at final handoff?

- A. a URL for updating temporary licenses

- B. a copy of the design specifications generated by WINGS
- C. alerts for any temporary licenses currently in use in the cluster
- D. phone number for opening calls

Answer: A

QUESTION 21

Which three types of mixed configurations are Sun supported? (Choose three.)

- A. CVM for the root disk and SVM (SDS) for shared storage
- B. VxVM for the root disk and SVM (SDS) for shared storage
- C. SVM (SDS) for the root disk and for shared storage
- D. VxVM for the root disk and for shared storage
- E. SVM (SDS) for the root disk and VxVM for shared storage

Answer: C,D,E

QUESTION 22

Given: A two-node cluster with hostnames venus and mars. You shut down venus for maintenance, and an hour later, mars panics. Which two statements are true? (Choose two.)

- A. The host venus has its reservation key on the Q's reservation key on the Quorum drive.
- B. The host mars has its reservation key on the Q's reservation key on the Quorum drive.
- C. The cluster will fail to reestablish Quorum if venus is booted first into the cluster.
- D. Neither venus nor mars has its reservation key on the Q's reservation key on the Quorum drive.

Answer: B,C

QUESTION 23

Which two situations require the installation of the SUNWsan package? (Choose two.)

- A. You will be using Veritas Volume Manager.
- B. You will be using Solaris Volume Manager.
- C. You will be using Sun Traffic Manager Software.
- D. You will be using Sun Management Center Software.
- E. You will be using Raid Manager 6.x Software.

Answer: A,C

QUESTION 24

You are configuring the shared disk groups for the RAC database. When trying to create the diskgroup you get the error:

vxvm:vxassist: ERROR: Operation must be executed on master

What should you do to create the volume?

- A. Run vxctl -c mode on all nodes to find which node is the master.
- B. Run scstat -D to see which node is the primary node for the device group.
- C. Run scstat -n to see which node is the master node.
- D. Register the shared disk group into the cluster framework with scsetup.

Answer: A

QUESTION 25

When manually installing VxVM software in a running cluster, which three steps must be performed? (Choose three.)

- A. Provide a VxVM license when the vxinstall command prompts for it.
- B. Edit the /etc/vfstab after running vxinstall but before rebooting.
- C. Edit the /etc/mnttab to change the major and minor numbers of the device mounted on /global/.devices/node@X.
- D. Make sure that all nodes have the same major number for the vxio device driver.
- E. Make sure that all nodes have the same minor number for the rootdg device group.

Answer: A,B,D

QUESTION 26

In a two-node cluster, which statement is true when adding the Quorum device?

- A. Use the Solaris logical device name to identify the Quorum device in the scconf command.
- B. Use the Solaris device instance name to identify the Quorum device in the scconf command.
- C. Run scsetup on both cluster nodes to add the Quorum device.
- D. The Quorum device must be a shared disk device.

Answer: D

QUESTION 27

You try to register the NFS resource type and receive an error that the resource type cannot be found within a certain cluster directory. Which statement explains the cause of the error and suggest a solution?

- A. The resource type is already in use. The resources using this type need to be disabled before the registration can take place.
- B. The data service has not been installed on the node where you are typing the command.
- C. The resource type has already been added. The service may now be registered.
- D. The data service has been installed on the node where you are typing but not yet on all cluster nodes.

Answer: B

QUESTION 28

Which two methods can register a one-node VxVM disk group as a device group?
(Choose two.)

- A. scrgadm -a -t HAStoragePlus
- B. scsetup
- C. vxdg import dgroup
- D. scswitch -z -D dgroup -h nodename
- E. scconf -a -D type=vxvm,name=dgroup,nodelist=nodename1

Answer: B,E

QUESTION 29

In which two locations can Oracle application binaries be installed? (Choose two.)

- A. NFS file system
- B. raw global device
- C. global file system
- D. local file system on each cluster node

Answer: C,D

QUESTION 30

Which is NOT provided to the customer at final handoff?

- A. a copy of the design specifications generated by WINGS
- B. a URL for updating temporary licenses
- C. alerts for any temporary licenses currently in use in the cluster
- D. phone number for opening calls

Answer: B

QUESTION 31

Which accurately describes the order in which actions are performed when installing Sun Cluster and VxVM software in a two-node cluster?

- A. install VxVM using scvxinstall, install Sun Cluster using scinstall, reset installmode
- B. install Sun Cluster using scinstall, install VxVM using scvxinstall, reset installmode
- C. reset installmode, install VxVM using scvxinstall, install Sun Cluster using scinstall
- D. install Sun Cluster using scinstall, reset installmode, install VxVM using scvxinstall

Answer: D

QUESTION 32

You are ready to create your shared SVM disksets. Which command creates the orads diskset for your cluster nodes hansel and gretel?

- A. metainit -i orads -a -s hansel gretel
- B. metaset -s orads -a /dev/did/rdisk/d120 /dev/did/rdisk/d220
- C. metadb -s orads -a -h hansel gretel
- D. metaset -s orads -a -h hansel gretel
- E. metainit -s orads -a -h hansel gretel

Answer: D

QUESTION 33

Which modification to the MANPATH variable will include the Sun Cluster 3.x man page for the scinstall command?

- A. export MANPATH=\$MANPATH:/usr/cluster/bin
- B. export MANPATH=\$MANPATH:/usr/cluster/man
- C. export MANPATH=\$MANPATH:/opt/SUNWcluster/man
- D. export PATH=\$PATH:/usr/cluster/man

Answer: B

QUESTION 34

Which three operations are required to create filesystems on shared storage in a cluster using Solaris Volume Manager or DiskSuite? (Choose three.)

- A. Add DID devices to the metaset.
- B. Register the metaset in the cluster framework using scsetup.
- C. Add the SUNW.HAStoragePlus resource type to the metaset.
- D. Manually add metadb replicas to the metaset.
- E. Create metadevices in the metaset.
- F. Add the hosts to the metaset.

Answer: A,E,F

QUESTION 35

Which tools are installed from the SUNWccn package?

- A. cconsole, ctelnet, crlogin, ccp
- B. ctelnet, crlogin, cssh
- C. ctelnet, crlogin, crsh
- D. console, telnet, rlogin, ccp

Answer: A

QUESTION 36

Which ports on the Sun TC can be used to connect to the TC in test mode?

- A. port 0
- B. port 8
- C. any port
- D. port 1

Answer: D

QUESTION 37

Which command distributes keystrokes to multiple windows at the same time?

- A. scinstall
- B. cports
- C. cconsole
- D. scsetup

Answer: C

QUESTION 38

In a two node cluster, you have created a VxVM volume that will contain Oracle data, and you want to configure this volume as a local failover file system. What are three subsequent steps you must perform? (Choose three.)

- A. Use scrgadm to create an HAStoragePlus resource.
- B. Run scsetup to synchronize your new volume information to the global device namespace.
- C. Use the vxedit command to set the owner and group of the new VxVM volume to oracle and dba, respectively.
- D. Reboot both cluster nodes.
- E. Put an entry in the vfstab on both cluster nodes.

Answer: A,B,E

QUESTION 39

When installmode is enabled, which two commands will fail? (Choose two.)

- A. scswitch
- B. scrgadm
- C. scsetup
- D. seconf

Answer: A,B

QUESTION 40

Which is a required deliverable in every EIS-compliant Sun Cluster 3.x installation?

- A. Test Procedures Plan (TPP)
- B. SRDB
- C. Explorer output file for each node
- D. Cluster Runbook

Answer: C

QUESTION 41

What are two key considerations when configuring NTP in a Sun Cluster environment? (Choose two.)

- A. Private hostnames must be changed after the cluster software is installed.
- B. By default, NTP will establish a consistent date and time between cluster nodes.
- C. Any changes to the NTP configuration file require the xntpd daemon to be restarted.
- D. The cluster nodes' time cannot be synchronized to an external time source.

Answer: B,C

QUESTION 42

Which is a benefit of providing cluster installation documentation through WINGS?

- A. WINGS provides consistently formatted documents with the legal requirements in the proper places.
- B. WINGS can automatically provide email copies of documentation for the customer.
- C. WINGS is publicly available on the Internet and thus accessible anywhere.
- D. WINGS templates are distributed on the EIS CD-ROM for easy access.

Answer: A

QUESTION 43

You have created a global filesystem for your HA-Oracle service. Where should you mount it?

- A. /var/opt/oracle
- B. /dev/global/oracle
- C. /usr/cluster/oracle
- D. /global/oracle

Answer: D

QUESTION 44

Given: Each node of a cluster has its own boot disk and shared storage. Which statement concerning VxVM, DMP, and the storage is true?

- A. VxVM may be configured for shared storage, but not the boot disk.
- B. VxVM may be configured for shared storage and the boot disk, but Veritas DMP can only be enabled for the boot disk.
- C. VxVM may be configured for shared storage and the boot disk, but Veritas DMP must be disabled.
- D. VxVM may be configured for the boot disk, but not the shared storage.

Answer: C

QUESTION 45

Which statement regarding having shared data in both VxVM shared disk groups and SVM shared disksets is true?

- A. It is not supported by Sun.
- B. It will not work because the cluster framework would be unable to determine what kind of device group you would be registering.
- C. It will not work because of conflicts in device namespace.
- D. It will not work because the major numbers would conflict.

Answer: A

QUESTION 46

Which three objectives are discussed during the project team kickoff meeting? (Choose three.)

- A. Identify which version of the Solaris OS will be installed on the cluster nodes.
- B. Review configuration and technical aspects of installation.
- C. Identify which set of patches must be installed on the cluster nodes.
- D. Determine the installation schedule.
- E. Review the statement of work.

Answer: B,D,E

QUESTION 47

In which file are both netmasks and host names for the private network resolved by the cluster name service?

- A. /etc/hosts
- B. /etc/cluster/ccr/infrastructure
- C. /etc/cluster/nodeid
- D. /etc/cluster/ccr/name_service

Answer: B

QUESTION 48

Which statement describes shared disk set metadb creation?

- A. They are created automatically on slice 0.
- B. They cannot be created unless a disk already has slice 7 before it is put in the disk set.
- C. They are created automatically on slice 7.
- D. They must be created manually with the metadb command.

Answer: C

QUESTION 49

Sun Cluster 3.x software resolves name service lookups from which two network information tables? (Choose two.)

- A. passwd
- B. networks
- C. hosts
- D. netmasks
- E. ethers

Answer: C,D

QUESTION 50

Given the /etc/vfstab entry: /dev/vx/dsk/localdg/localvol /dev/vx/rdisk/localdg/localvol /localfs ufs 2 no logging

Provided that the devices are locally connected, which two actions are necessary to guarantee that the /localfs file system will mount at boot time? (Choose two.)

- A. Register localdg in the Sun Cluster configuration.
- B. Setup a resource group with an HAStoragePlus resource.
- C. Change the entry to: /dev/vx/dsk/localdg/localvol /dev/vx/rdisk/localdg/localvol /localfs ufs 2 no global,logging
- D. Synchronize volume configuration using scsetup command before every reboot.
- E. Change the entry to: /dev/vx/dsk/localdg/localvol /dev/vx/rdisk/localdg/localvol /localfs ufs 2 yes logging

Answer: A,B

QUESTION 51

Which Sun Cluster 3.0 patch, when applied, requires a reboot for the patch to take effect?

- A. 112568 Sun Cluster 3.0 Generic data service patch
- B. 111554 Sun Cluster 3.0 HA man pages patch
- C. 110648 Sun Cluster 3.0 core/sys admin patch
- D. 112108 Sun Cluster 3.0 SunPlex Manager core components patch

Answer: C

QUESTION 52

Which is a required deliverable in every EIS-compliant Sun Cluster 3.x installation?

- A. Explorer output file for each node
- B. SRDB
- C. Cluster Runbook
- D. Test Procedures Plan (TPP)

Answer: A

QUESTION 53

Which three tasks are required to configure the RAC data service? (Choose three.)

- A. Configure /etc/opt/SUNWcluster/conf/udlm.conf.
- B. Configure the oracle user and dba group.
- C. Ensure VXFS is installed for the database.
- D. Install the SUNW.oracle_server resource type.
- E. Set up shared memory kernel parameters in /etc/system.

Answer: A,B,E

QUESTION 54

Where can you find all of the necessary patches for an EIS-based Sun Cluster 3.x installation?

- A. EIS CD-ROM
- B. Sun Cluster Framework CD-ROM
- C. Solaris Companion CD-ROM
- D. Solaris Installation CD-ROM

Answer: A

QUESTION 55

Which statement regarding the OBP variable local-mac-address? is true?

- A. In SunCluster 3.0, local-mac-address? must be set to true.
- B. In SunCluster 3.1, scinstall will automatically set local-mac-address? to false.
- C. In SunCluster 3.1, local-mac-address? must be set to false.
- D. IPMP requires that the local-mac-address? variable be set to true.

Answer: D

QUESTION 56

During which two phases of the installation process can the installer demonstrate how the cluster software works for the customer? (Choose two.)

- A. during the project kickoff meeting
- B. while completing the Build Specification
- C. while performing the Test Procedures Plan
- D. during the TOI

Answer: C,D

QUESTION 57

Which two components are included in the EIS installation? (Choose two.)

- A. Cluster agent installation
- B. Cable labeling standards
- C. Acclimatization
- D. Cluster Runbook
- E. Statement of Work

Answer: B,C

QUESTION 58

What happens if you install Sun Cluster 3.1 and you have the local-mac-address? PROM variable set to false?

- A. The installation fails.
- B. The installation leaves the variable as false, which is the correct value.
- C. The installation leaves the variable false and IPMP might later fail.
- D. The installation automatically sets it to true.

Answer: D

QUESTION 59

Which statement regarding having shared data in both VxVM shared disk groups and SVM shared disksets is true?

- A. It will not work because the major numbers would conflict.
- B. It will not work because the cluster framework would be unable to determine what kind of device group you would be registering.
- C. It will not work because of conflicts in device namespace.
- D. It is not supported by Sun.

Answer: D

QUESTION 60

You are installing the dataservice for RAC/OPS and have rebooted the first node at the end of the procedure. On rebooting the server panics, so you reboot out of cluster to verify the installation of RAC.

Which two items must be checked to ensure that the RAC software has been installed correctly and the server will reboot successfully? (Choose two.)

- A. The Oracle database has been created.
- B. A valid CVM license has been installed.
- C. A resource group has been configured for the RAC database.
- D. The ORCLudlm package has been installed.

Answer: B,D

QUESTION 61

In which file is the major number for the vxio device driver stored?

- A. /etc/major_numbers
- B. /etc/name_to_major
- C. /etc/major_names
- D. /etc/major

Answer: B

QUESTION 62

Where is the Explorer output sent after an installation?

- A. the Symptom Resolution Database
- B. sunsolve.sun.com
- C. the Explorer Database in your time zone
- D. clusterdata@sun.com

Answer: C

QUESTION 63

How do you increase the number of NFS server threads in the Sun Cluster environment?

- A. By setting the Nfs_threads extension property for the NFS resource.
- B. You cannot increase the number because the default of 16 threads is required.
- C. By creating a configuration file in the administrative filesystem.
- D. By editing the /etc/init.d/nfs.server script on each node.

Answer: D

QUESTION 64

Which fact illustrates why you must use the ccradm command after you manually edit a

file in the /etc/cluster/ccr directory?

- A. The ccradm command will propagate the entire contents of the CCR to each node.
- B. The ccradm command will check that the change you made is a valid one.
- C. The ccradm command will recalculate the checksum record to ensure internal file consistency.
- D. The ccradm command will create a backup of the entire contents of the CCR on each CCR change.

Answer: C

QUESTION 65

Where can you place Oracle RAC application data in a Sun Cluster environment?

- A. global file systems
- B. raw devices
- C. raw devices or global file systems
- D. block devices

Answer: B

QUESTION 66

Which files contain information needed for the cconsole command?

- A. /etc/clusters, /etc/ports.conf
- B. /etc/cconsole, /etc/ports.conf
- C. /etc/clusters, /etc/serialports
- D. /etc/ccp.conf, /etc/ports.conf

Answer: C

QUESTION 67

Which two methods can register a one-node VxVM disk group as a device group?
(Choose two.)

- A. scconf -a -D type=vxvm,name=dgname,nodelist=nodename1
- B. scswitch -z -D dgname -h nodename
- C. scsetup
- D. vxdg import dgname
- E. scrgadm -a -t HAStoragePlus

Answer: A,C

QUESTION 68

Which three resources must be registered for HA-Oracle in Sun Cluster 3.x? (Choose three.)

- A. SUNW.LogicalHostname
- B. SUNW.oracle_server
- C. SUNW.HASStoragePlus
- D. SUNW.SharedAddress
- E. SUNW.oracle_listener

Answer: A,B,E

QUESTION 69

During which two phases of the installation process can the installer demonstrate how the cluster software works for the customer? (Choose two.)

- A. while performing the Test Procedures Plan
- B. during the TOI
- C. while completing the Build Specification
- D. during the project kickoff meeting

Answer: A,B

QUESTION 70

You are installing the dataservice for RAC/OPS and have rebooted the first node at the end of the procedure. On rebooting the server panics, so you reboot out of cluster to verify the installation of RAC.

Which two items must be checked to ensure that the RAC software has been installed correctly and the server will reboot successfully? (Choose two.)

- A. A valid CVM license has been installed.
- B. The ORCLudlm package has been installed.
- C. A resource group has been configured for the RAC database.
- D. The Oracle database has been created.

Answer: A,B

QUESTION 71

Which two resource extension properties are required while configuring the SUNW.oracle_listener resource type? (Choose two.)

- A. ORACLE_SID
- B. Connect_string
- C. ORACLE_HOME
- D. LISTENER_NAME

Answer: C,D

QUESTION 72

Which EIS installation document must be signed by the customer?

- A. Site Audit
- B. Statement of Installation
- C. EIS Internal Business References
- D. Server/Domain Standard

Answer: B

QUESTION 73

In which collection are the Sun Cluster 3.x patches defined at sunsolve.sun.com?

- A. Info Docs
- B. White Papers
- C. Sun Alert Notifications
- D. Symptoms and Resolutions

Answer: A

QUESTION 74

Under what circumstance can you modify the Apache configuration file so that Apache listens only on the application-specific IP address that you will incorporate into your resource groups?

- A. only if you will be running apache in failover mode
- B. never
- C. only if you will be running apache in scalable mode
- D. if you will be running in failover or scalable mode

Answer: D

QUESTION 75

You are configuring HA-NFS with a resource called nfs-res of type SUNW.nfs. As part of the preparation, you need to create an administrative directory for NFS resource. Which statement correctly describes the structure of this directory?

- A. It should contain a file called SUNW.nfs/dfstab.nfs-res.
- B. It should contain a file called nfs/dfstab.nfs-res.
- C. It should contain a file called SUNW.nfs/vfstab.nfs-res.
- D. It should contain a file called nfs-admin/dfstab.nfs.
- E. It should contain a file called nfs-admin/dfstab.nfs-res.

Answer: A

QUESTION 76

Which three resource extension properties are required while configuring SUNW.oracle_server resource type? (Choose three.)

- A. ORACLE_SID
- B. ORACLE_HOME
- C. Oracle_bdump_file
- D. Probe_timeout
- E. Alert_log_file

Answer: A,B,E

QUESTION 77

Which statement accurately describes the bundling of VxVM software and licenses for cluster functionality in a RAC installation?

- A. The VxVM base functionality and cluster functionality ship are the same software, but are licensed separately.
- B. The VxVM base functionality and cluster functionality ship on the same product CD and are licensed as a single product.
- C. The VxVM base functionality and cluster functionality ship on separate CDs and are licensed separately.
- D. The cluster functionality of VxVM is available in the SUNWvxvm software package.

Answer: A

QUESTION 78

Which command disables the fault monitor for the ora-res resource?

- A. scswitch -e -M -j resource
- B. scswitch -n -j resource
- C. scrgadm -pv
- D. scswitch -n -M -j ora-res

Answer: D

QUESTION 79

Which defines the correct order of tasks according to the Global SS/PS Engagement Model?

- A. Internal project kickoff meeting, project team is identified, customer kickoff meeting
- B. PS develops project plan, customer kickoff meeting, project team is identified
- C. Internal project kickoff meeting, customer kickoff meeting, project team is identified
- D. PS develops project plan, project team is identified, internal project kickoff meeting

Answer: D

QUESTION 80

Which package should be installed and patched before the VM 3.1.1 software is installed?

- A. SUNWvxvm
- B. SUNWapchr
- C. SUNWscvr
- D. SUNWsan

Answer: D

QUESTION 81

Which two statements are valid reasons for placing the httpd.conf file for a cluster in a directory other than /etc/apache? (Choose two.)

- A. The files that you find in /etc/apache after the standard Solaris install are inappropriate for the cluster.
- B. If the file .httpd.conf is not in /etc/apache, then the standard unedited Solaris boot scripts will not start Apache, and the cluster will work properly even if those boot scripts are present.
- C. Placing the configuration file on local storage is unsupported.
- D. Placing the configuration file in the shared storage rather than in /etc/apache makes managing the file easier since you only need one copy.

Answer: B,D

QUESTION 82

Which two are benefits of using EIS for installing Sun Cluster 3.x software? (Choose two.)

- A. It defines a blueprint for high availability.
- B. It documents and tests the cluster configuration.
- C. It increases customer familiarity with the product by delivering a TOI.
- D. It provides a comprehensive data center analysis.

Answer: B,C

QUESTION 83

Where is the cconsole man page located?

- A. /etc/opt/SUNWcluster/man
- B. /usr/SUNWcluster/man
- C. /opt/SUNWcluster/man
- D. /usr/share/man
- E. /etc/opt/SUNWccon/man

Answer: C

QUESTION 84

Once a disk group is registered, which two administrative tasks require both Sun Cluster and Veritas commands to accomplish? (Choose two.)

- A. Add disk to a rootdg disk group.
- B. Remove volumes from a disk device group.
- C. Add volumes to a disk device.
- D. Import the disk device group.
- E. Deport the disk device group.

Answer: B,C

QUESTION 85

What is the purpose of the EIS Checkup tool?

- A. It provides verification of the cluster install independent of Explorer.
- B. It produces reports based on the Explorer output.
- C. It automates testing of cluster failover scenarios.
- D. It provides verification of cluster installation prerequisites prior to the install.

Answer: B

QUESTION 86

You are configuring the NFS data service and have a prepared administrative directory. You need to reference the path to this directory for the SUNW.nfs data service instance you create. How can you accomplish this?

- A. Use a property in the resource group.
- B. You do not need to do anything since it is performed automatically.
- C. Use a standard property in the SUNW.nfs resource.
- D. Use an extension property in the SUNW.nfs resource.

Answer: A

QUESTION 87

You have a two-node cluster using Solaris Volume Manager as the disk management software. Node 2 is unable to mount its global devices filesystem and the error message states that the device is already mounted. The df -k output shows only /global/devices/node@1 mounted. Which situation can explain this error?

- A. The global filesystem entry in /etc/vfstab on Node 2 is using the same metadvice as Node 1 for its' mount device. The metadvice must be unique for /global/.devices/node@X.

- B. The /globaldevices entry is commented out in the /etc/vfstab on Node 2 preventing global device tree from being mounted cluster wide.
- C. The /etc/vfstab must use a raw device to mount the /global/.device/node@X filesystem cluster wide.
- D. The /global/.devices/node@2 entry is missing from the /etc/vfstab on Node 1.
- E. Only a DID device can be used as the mount device for the global device filesystem.

Answer: A

QUESTION 88

In Sun Cluster 3.1, which three are instances when you can enable IPMP on interfaces? (Choose three.)

- A. after creating and enabling all your resource groups
- B. after Sun Cluster installation but before creating a LogicalHostname or SharedAddress using the interfaces
- C. as you use jumpstart to install Solaris on the nodes (in a finish script)
- D. after Solaris installation but before Sun Cluster installation
- E. after creating LogicalHostName or SharedAddress resources but before enabling them

Answer: B,C,D

QUESTION 89

Which network adapter requires special configuration in the /etc/iu.ap and /etc/system files if the patch level of SC3.0 is too low?

- A. qe
- B. ce
- C. qfe
- D. be
- E. hme

Answer: B

QUESTION 90

Which modification to the MANPATH variable will include the Sun Cluster 3.x man page for the scinstall command?

- A. export PATH=\$PATH:/usr/cluster/man
- B. export MANPATH=\$MANPATH:/opt/SUNWcluster/man
- C. export MANPATH=\$MANPATH:/usr/cluster/man
- D. export MANPATH=\$MANPATH:/usr/cluster/bin

Answer: C

QUESTION 91

A customer has a server with multiple locally attached disks. They want to create local Veritas diskgroups using SUNW.HAStoragePlus to store Oracle binaries on each of the nodes for a HA-Oracle dataservice.

Which argument should you use to persuade the customer to change the desire for this configuration?

- A. The resource group containing the local disk groups could not fail over to the other node in the case of a node failure.
- B. If the local disk on one node should fail, there would be no binaries to run the service.
- C. The resource group containing the oracle database would be dependent on the local resource groups on both nodes so you wouldn't be able to start it with scswitch unless both nodes were up.
- D. The Oracle binaries can only be placed on the shared storage.

Answer: C

QUESTION 92

Which solution allows remote console access to both nodes of a two-node, two-site campus cluster?

- A. Put a terminal server at each site.
- B. Put an administrative workstation at each site.
- C. Connect the two nodes using an Ethernet crossover cable.
- D. Put a terminal server at a third site halfway between the two nodes.

Answer: A

QUESTION 93

Which statement is true about a Veritas disk group in which you want to store your HA-oracle data?

- A. You must have a separate disk group dedicated for Oracle. It is impossible to combine data from two data services in the same disk group.
- B. The disks may be attached to exactly two nodes even if you want the Oracle data service to fail over to a third node too.
- C. The disk group should contain only disks physically attached to a single node.
- D. You do not need to register the disk group with the cluster if you will be using raw devices to store the data.

Answer: B

QUESTION 94

What is different about in.mpathd running for IPMP in Sun Cluster 3.1 from in.mpathd running in a non-clustered Solaris environment?

- A. In the cluster, in.mpathd can automatically cause application resource failovers.
- B. Nothing is different about in.mpathd in the two examples.
- C. In the cluster, in.mpathd communicates with its counterpart on the other node.
- D. In the cluster, in.mpathd automatically records its state in the CCR.

Answer: B

QUESTION 95

You have two 220R servers with internal CD-ROMs in a cluster, each connected to a pair of D2 storage arrays. Which step is required to ensure there are no SCSI conflicts?

- A. On both nodes, set scsi-initiator-id variable to 6.
- B. On one node, use the nvramrc to set scsi-initiator-id properties for each external host bus adapter to 6.
- C. On one node, set the scsi-initiator-id variable to 6 and leave the second node set to 7.
- D. Set use-nvramrc? to false on both nodes.

Answer: B

QUESTION 96

You run: `scrgadm -a -g nfs-rg -L -l clust-nfs,clust-nfs2 -j nfsip` Which statement is true?

- A. The name nfsip must be in the hosts file or name service.
- B. The name nfsip is the resource name but not necessarily an entry in the host file or name service.
- C. The two IP addresses listed with the -l argument can be on different subnets.
- D. You are setting up three IP addresses, two with the -l argument and one with the -j.

Answer: B

QUESTION 97

You have clustered two v880 servers which have internal FCAL drives and you need to enable Sun Traffic Manager Software. You remember that STMS is not supported on internal fibre controllers.

How do you exclude the internal controller from STMS?

- A. Add an entry to the `/kernel/drv/jnic.conf` to set `mpxio_disable=ues` on the internal controller path and reboot.
- B. Add an entry to the `/kernel/drv/qlc.conf` to set `mpxio_disable=ues` on the internal controller path and reboot.
- C. Add an entry to the `/kernel/drv/ssd.conf` to set `mpxio_disable=ues` on the internal controller path and reboot.
- D. Add an entry to the `/kernel/drv/scsi_vhci.conf` to set `mpxio_disable=ues` on the internal controller path and reboot.

Answer: B

QUESTION 98

Which two commands perform a switchover of a resource group called my-rg from venus to mars in a two node cluster? (Choose two.)

- A. scswitch -S -h venus
- B. scswitch -z -g my-rg -h mars
- C. scswitch -z -g my-rg -h venus
- D. scswitch -Z -g my-rg
- E. scswitch -z venus -g my-rg

Answer: A,B

QUESTION 99

Which two statements about name services running on a Sun Cluster 3.x cluster node are true? (Choose two.)

- A. The cluster nodes can be NIS clients.
- B. The cluster nodes can be DNS primary servers.
- C. The cluster nodes can be used as NIS+ master servers.
- D. The cluster nodes can be used as NIS master servers.

Answer: A,B

QUESTION 100

You have two 220R servers with internal CD-ROMs in a cluster, each connected to a pair of D2 storage arrays. Which step is required to ensure there are no SCSI conflicts?

- A. On both nodes, set scsi-initiator-id variable to 6.
- B. On one node, use the nvramrc to set scsi-initiator-id properties for each external host bus adapter to 6.
- C. Set use-nvramrc to false on both nodes.
- D. On one node, set the scsi-initiator-id variable to 6 and leave the second node set to 7.

Answer: B

QUESTION 101

You have an existing two-node cluster running an Apache Web service that has been in production for six months and you would like to add a third node. Which two steps are required to add the third node? (Choose two.)

- A. Run scinstall on the third node to add it to the established cluster.
- B. Reinstall the Sun Cluster software on the existing nodes.
- C. Add the new node to the existing resource groups using scrgadm -a.
- D. On one existing node, add the new hostname to the authorized node list with scsetup or scconf.

Answer: A,D

QUESTION 102

Which two statements concerning Support Services preparedness to install cluster patches are true? (Choose two.)

- A. The customer can choose to replicate an older cluster, which may involve installing older versions of patches.
- B. Versions of patches other than the latest on the EIS CD-ROM are NOT supported.
- C. The customer cannot choose to use anything other than the latest revisions of Sun Cluster Patches.
- D. The latest revision of Sun Cluster patches are on the EIS CD-ROM.
- E. The customer is required to download the latest revision of Sun Cluster patches.

Answer: A,D

QUESTION 103

Which network adapter requires special configuration in the /etc/iu.ap and /etc/system files if the patch level of SC3.0 is too low?

- A. hme
- B. qfe
- C. ce
- D. qe
- E. be

Answer: C

QUESTION 104

When can additional (non-sponsor) cluster nodes first join the cluster?

- A. before the sponsor node joins the cluster
- B. before scinstall is run on the sponsor node
- C. while scinstall is running on the sponsor node
- D. after the sponsor node joins the cluster

Answer: D

QUESTION 105

Which two components are included in the EIS installation? (Choose two.)

- A. Cluster Runbook
- B. Statement of Work
- C. Cable labeling standards
- D. Acclimatization

E. Cluster agent installation

Answer: C,D

QUESTION 106

Which two actions can the scvxinstall command perform? (Choose two.)

- A. modify the PATH and MANPATH environment variables for the root user
- B. create rootdg
- C. synchronize volume information for the volumes in rootdg to the cluster
- D. register the rootdg device group to the cluster
- E. install VxVM software packages

Answer: B,E

QUESTION 107

How does the start method of a scalable Apache instance know which Shared Address resource will be performing load balancing services on its behalf?

- A. It uses any SharedAddress resource in the resource group on which the scalable Apache group depends.
- B. It does not know which Shared Address resource will be performing load balancing services.
- C. It uses the Network_resources_used property of the Apache resource, which you are required to provide.
- D. It uses the SharedAddress resource in the same resource group as the Apache resource.

Answer: C

QUESTION 108

Which two actions can resolve performance degradation for IO-intensive HA-Oracle? (Choose two.)

- A. Do not add any HASToragePlus resources to your data service resource group.
- B. Use raw devices to store Oracle data rather than a global file system.
- C. Set AffinityOn to false in the HASToragePlus resource type containing the Oracle global file system(s).
- D. Set AffinityOn to true in the HASToragePlus resource type containing the Oracle global file system(s).
- E. Do not add any HASTorage resources to your data service resource group.

Answer: B,D

QUESTION 109

Under which circumstances should you set up a dual string mediator in a Solaris Volume

Manager cluster?

- A. When there is a single storage array visible to all four nodes of a cluster.
- B. When there are exactly two storage arrays shared between multiple cluster nodes.
- C. When there are three storage arrays visible to both nodes of a two node cluster.
- D. When you have a campus cluster installed.

Answer: B

QUESTION 110

Which command can you use to disable DMP?

- A. vxinstall
- B. vxdiskadm
- C. scconf
- D. scinstall

Answer: B

QUESTION 111

In Sun Cluster 3.0, what happens if the very first PNM command on a node is `pnmset -c nafo0 -o create hme0 qfe0`?

- A. It tries to create the nafo group nafo0 without testing any of the interfaces.
- B. It adds hme0 and qfe0 into an already existing NAFO group named nafo0.
- C. It will fail completely if it is the very first PNM command. You must use the interactive version of the `pnmset` command first to set up the group or groups.
- D. It checks if the nafo0 is already created and returns only a success or failure code without actually doing any configuration.

Answer: A

QUESTION 112

Which file defines the host name, TC name, and serial port for each cluster host?

- A. `/etc/ports`
- B. `/etc/serialports`
- C. `/etc/ports.conf`
- D. `/etc/clusters`

Answer: B

QUESTION 113

Which command brings a resource group called `my-rg` online for the first time?

- A. `scrgadm -z -g my-rg`

- B. scrgadm -Z -g my-rg
- C. scswitch -Z -g my-rg
- D. scconf -z -g my-rg
- E. scswitch -S my-rg

Answer: C

QUESTION 114

Which command brings a disk group online?

- A. vxdg import
- B. scconf -c -D name=,sync
- C. scswitch -z -D -h
- D. scconf -a -D type=vxvm,name=
- E. vxdiskadd -g adddisk ...

Answer: C

QUESTION 115

In Sun Cluster 3.1, if you register a device group that is physically attached to four nodes and list all four nodes in the nodelist, what is the default number of secondary nodes for the device group?

- A. 4
- B. 1
- C. 3
- D. 0

Answer: B

QUESTION 116

Which three types of mixed configurations are Sun supported? (Choose three.)

- A. CVM for the root disk and SVM (SDS) for shared storage
- B. SVM (SDS) for the root disk and for shared storage
- C. SVM (SDS) for the root disk and VxVM for shared storage
- D. VxVM for the root disk and for shared storage
- E. VxVM for the root disk and SVM (SDS) for shared storage

Answer: B,C,D

QUESTION 117

Which two activities must be accomplished before you leave the customer location after any cluster installation? (Choose two.)

- A. Create users to administer the cluster.

- B. Create an Oracle database instance.
- C. Set the terminal concentrator password.
- D. Run explorer and collect the output.
- E. Reboot the nodes and verify that all the nodes come up properly.

Answer: D,E

QUESTION 118

If you try to add a LogicalHostname or SharedAddress resource in Sun Cluster 3.0 without having any NAFO groups existing on the interfaces being used, what happens?

- A. There is no problem. You are not required to have NAFO groups for all interfaces being used for LogicalHostname and SharedAddress resources.
- B. The creation of the resource fails.
- C. The creation of the resource succeeds, but you will not be able to enable the resource.
- D. The command tries to create PNM groups automatically for you and, if successful, creates the resource.

Answer: D

QUESTION 119

In which resource group do you configure a Shared Address resource for use with a scalable Apache application?

- A. You do not configure it. It is automatically included as part of the functionality of the Apache resource.
- B. In a separate failover group from the Apache resource.
- C. In a separate scalable group from the Apache resource.
- D. In the same group as the Apache resource.

Answer: B

QUESTION 120

Other than the EIS CD-ROM, where are the SAN Foundation Kit software packages located?

- A. <http://sunsolve.sun.com>
- B. <http://www.sun.com/software/download>
- C. Solaris software CD-ROM 2 of 2
- D. Sun Cluster 3.x Framework software -CD-ROM

Answer: B

QUESTION 121

What are the utilities used to register a VxVM disk group in Sun Cluster 3.0?

- A. scvxinstall or scrgadm
- B. vxinstall or vxassist
- C. vxdg or vxassist
- D. scsetup or sconfs
- E. scswitch or scinstall

Answer: D

QUESTION 122

Which three deliverables must be included in every Sun Cluster 3.x installation? (Choose three.)

- A. Explorer must be run and the output must be uploaded.
- B. An administrative workstation must be identified, installed, and configured.
- C. The Cluster must be EIS-compliant and the WINGS form must be completed.
- D. A Quorum device must be configured.
- E. The SunCluster 3.x Post Install Template must be filled out and sent to clusterdata@sun.com

Answer: A,C,E

QUESTION 123

You have just created a volume in your diskgroup and you try to perform a newfs to create a file system and receive the error: "no such device" Which action can solve this situation?

- A. Run the devfsadm command.
- B. Synchronize your volume with the cluster using scsetup or sconfs.
- C. Delete the volume you just created and then recreate it.
- D. Use the mkfs command.

Answer: B

QUESTION 124

You have a four-node cluster in an N+1 topology. What is the minimum number of Quorum devices that are required to be configured?

- A. 1
- B. 2
- C. 0
- D. 4
- E. 3

Answer: C

QUESTION 125

Why might scswitch fail to switch a failover resource group containing HA-oracle resources to one of the other nodes in the nodelist?

- A. Data is in a global file system, and the node you are trying to switch to is not physically connected to the storage, and AffinityOn is set to true.
- B. Data is on a raw device, and the node you are trying to switch to is not physically connected to the storage.
- C. Data is in a global file system, and the node you are trying to switch to is not physically connected to the storage, and AffinityOn is set to false.
- D. Data is in a local failover file system, and the node you are trying to switch to is not physically connected to the storage.

Answer: D

QUESTION 126

Which two statements concerning Support Services preparedness to install cluster patches are true? (Choose two.)

- A. The customer can choose to replicate an older cluster, which may involve installing older versions of patches.
- B. Versions of patches other than the latest on the EIS CD-ROM are NOT supported.
- C. The customer cannot choose to use anything other than the latest revisions of Sun Cluster Patches.
- D. The latest revision of Sun Cluster patches are on the EIS CD-ROM.
- E. The customer is required to download the latest revision of Sun Cluster patches.

Answer: A,D

QUESTION 127

Which options are required in /etc/vfstab for a local file system?

- A. /dev/vx/dsk/localdg1/vol1 /dev/vx/rdsk/localdg1/vol1 /local/test ufs 3 no logging
- B. /dev/vx/dsk/localdg1/vol1 /dev/vx/rdsk/localdg1/vol1 /local/test ufs 3 no global,logging
- C. /dev/vx/dsk/localdg1/vol1 /dev/vx/rdsk/localdg1/vol1 /local/test ufs 3 yes global,logging
- D. /dev/vx/dsk/localdg1/vol1 /dev/vx/rdsk/localdg1/vol1 /local/test ufs 3 yes logging

Answer: A

QUESTION 128

In which file is the major number for the vxio device driver stored?

- A. /etc/major_names
- B. /etc/name_to_major

- C. /etc/major_numbers
- D. /etc/major

Answer: B

QUESTION 129

Which two statements regarding using SDS/SVM soft partitioning in SC3.x are true?
(Choose two.)

- A. It is only supported on SC3.0 Update 3, SC3.1, and above.
- B. It is only supported on Solaris 9 OS SVM.
- C. It is only supported in Sun Cluster 3.1 and above.
- D. It is supported on Solaris 8 OS but you must have patch 108693-06 or higher.

Answer: A,D

QUESTION 130

You are accomplishing a Sun Cluster 3.x installation for a customer, and have the EIS CD-ROM, and all the required installation information such as the node names, IP addresses, and disk addresses. You are following the EIS methodology for the installation, and experience installation problems. Which two resources can provide you with direct access to support? (Choose two.)

- A. <http://docs.sun.com>
- B. <http://java.sun.com>
- C. <http://www.sun.com>
- D. <http://sunsolve.sun.com>

Answer: A,D

QUESTION 131

Which is a benefit of providing cluster installation documentation through WINGS?

- A. WINGS provides consistently formatted documents with the legal requirements in the proper places.
- B. WINGS is publicly available on the Internet and thus accessible anywhere.
- C. WINGS templates are distributed on the EIS CD-ROM for easy access.
- D. WINGS can automatically provide email copies of documentation for the customer.

Answer: A

QUESTION 132

Which statement regarding the use of a VLAN in a Sun Cluster 3.x environment is true?

- A. VLANs are supported for two-node clusters only.
- B. VLANs are not supported in a Sun Cluster 3.x environment.

- C. More than one cluster can use the same switch in a VLAN.
- D. VLANs are supported in every topology except the campus cluster.

Answer: C

QUESTION 133

Which two actions can resolve performance degradation for IO-intensive HA-Oracle?
(Choose two.)

- A. Set AffinityOn to false in the HAStoragePlus resource type containing the Oracle global file system(s).
- B. Do not add any HAStoragePlus resources to your data service resource group.
- C. Set AffinityOn to true in the HAStoragePlus resource type containing the Oracle global file system(s).
- D. Do not add any HAStorage resources to your data service resource group.
- E. Use raw devices to store Oracle data rather than a global file system.

Answer: C,E

QUESTION 134

Which two statements are valid reasons for placing the httpd.conf file for a cluster in a directory other than /etc/apache? (Choose two.)

- A. Placing the configuration file in the shared storage rather than in /etc/apache makes managing the file easier since you only need one copy.
- B. If the file .httpd.conf is not in /etc/apache, then the standard unedited Solaris boot scripts will not start Apache, and the cluster will work properly even if those boot scripts are present.
- C. The files that you find in /etc/apache after the standard Solaris install are inappropriate for the cluster.
- D. Placing the configuration file on local storage is unsupported.

Answer: A,B

QUESTION 135

Which statement regarding metadevices within the cluster is true?

- A. They must all be in shared disksets.
- B. All names in the local disksets must be different on each node.
- C. They must be RAID-1 metadevices.
- D. They must be RAID-5 metadevices.
- E. The name used for the /global/.devices/node@# metadevice must be different on each node.

Answer: E

QUESTION 136

Which statement about a Quorum device is true?

- A. It is not used to prevent amnesia.
- B. It must be used in clusters with more than two nodes.
- C. It must be used in two-node clusters.
- D. It is not used to resolve split-brain.

Answer: C