Exam Code: 000-102

Exam Name: High Availability for AIX - Technical Support and Administration

Vendor: IBM

Version: DEMO

Part: A

1: A customer is in the process of testing their configuration prior to going live. The administrator discovers that PowerHA is taking 31 seconds to deal with a standard NIC failure. What can the administrator do to speed up the process of NIC failure detection and diagnosis?

A.Tune the topsvcs NIM settings.

B.Tune the grpsvcs NIM settings.

C.Activate the fast failure detection (FFD) feature.

D.Activate the Gigabit fast failover feature on the physical adapters.

Correct Answers: A

2: An administrator has made several topology and resource group changes on one node in a running cluster. During verification and synchronization, using the "Emulate" option, many errors are reported. The administrator decided the best course of action was to roll back the changes. Prior to the changes being made, a cluster snapshot was taken. Which of the following actions will roll back the changes with the least disruption?

A.Perform a synchronization from a node without the changes.

B.Apply the cluster snapshot on both nodes while the cluster is running.

C."Restore HACMP Configuration Database from Active Configuration" on the node where the changes were made.

D.Stop the cluster using the option "Unmanage Resource Groups" and apply the cluster snapshot on the node where the changes were made.

Correct Answers: C

3: An administrator wants to install Web SMIT on a node that is not part of a cluster. Which PowerHA fileset provides this function?

A.Cluster.sysmgt.wsm

B.Cluster.es.client.wsm

C.Cluster.es.server.websm

D.Cluster.sysmgt.websm.rte

Correct Answers: B

4: An administrator configured automatic error notification on a cluster node. On execution, the following error is displayed: "cluster_node01: cl_rsh had exit code = 1, see cspoc.log and/or clcomd.log for more information" What is the most likely cause of the problem?

A.gsclvmd is inoperative

B.clcomdES is inoperative

C.The cluster services are active

D.Shared disks are not configured

Correct Answers: C

5: A customer is planning a PowerHA cluster split across two sites. The sites are located 10km apart. There is a DS8000 storage array at each site with SAN connectivity between the two arrays. There are only enough IP interfaces for one IP network in this cluster. How can they ensure that

disk data is automatically mirrored and synchronized between sites?

A.Purchase PowerHA/XD license

B.Purchase PowerHA with GLVM license

C.Implement PowerHA with split-site LVM

D.Implement PowerHA with cross-site LVM

Correct Answers: D

6: A system administrator wants to ensure that the cluster will failover if quorum is lost for appAvg in RG1 which is mirrored between hdisk3 and hdisk5. Automatic error notification has been configured in this cluster. Which of the following actions should be used to test that the cluster fails over correctly when quorum is lost for appAvg?

A.Emulate the errpt entry from the HACMP Error Notification menu.

B.Execute a custom test procedure from the HACMP Cluster Test Tool menu.

C.Emulate the LVM_SA_QUORCLOSE event from the HACMP Event Emulation menu.

D.Execute the automated test procedure from the HACMP Cluster Test Tool menu.

Correct Answers: A

7: Which of the following commands will display the extended attributes of a resource group?

A.cllsattr

B.clRGinfo

C.clshowres

D.cllistres

Correct Answers: C

8: During a resource group takeover operation, the resource group was found to go into error state. A tail of the hacmp.out file released the following message: Aug   3 12:57:20 EVENT FAILED: -1: event_error 1 TE_RG_MOVE -1   WARNING: Cluster PowerHA has been running recovery program '/usr/es/sbin/cluster/events/rg_move.rp' for 360 seconds. Please check cluster status. What command can the administrator issue to cause the cluster to continue processing?

A.clruncmd

B.clrestart

C.clcontinue

D.clresactive

Correct Answers: A

9: A customer has a requirement to build a 4 node cluster. Disk heartbeating will be used as the non-IP network. What is the maximum number of disk heartbeat point-to-point links one would need to implement in order to achieve the highest level of availability?

A.4

B.6

C.8

D.12

Correct Answers: B

10: An administrator has checked the status of volume group VG1, using the command svg VG1? and receives the following message:An administrator has checked the status of volume group VG1, using the command ?svg VG1? and receives the following message: 0516-034 : Failed to open VG special file. Probable cause is the VG was forced offline. Execute the varyoffvg and varyonvg commands to bring the VG online. When the administrator attempts the varyoffvg the same error is displayed. The administrator then runs a series of commands in order to determine the problem lssrc -a ... IBM.ServiceRM   rsct_rm   17550   active clstrmgrES cluster   19112   active topsvcs   topsvcs   22194 active grpsvcs   grpsvcs   6220   active gsclvmd inoperative IBM.ERRM   rsct_rm   inoperative IBM.AuditRM rsct_rm   inoperative grpglsm   grpsvcs inoperative lssrc   clcomdESlssrc ? clcomdES Subsystem   Group   PID Status clcomdES   clcomdES   inoperative lspv hdisk0 00538daa5a55f5a7   rootvg   active hdisk1   00538daa83c8d5e7 rootvg   active hdisk2   00435f1bf64f8b01   VG1 hdisk3 00435f1bf64fae6d   VG1 Given the output from the above commands, which of the following is the most likely cause of the problem?
A.Cluster services are inactive.
B.The gsclvmd subsystem is inactive.
C.The clcomdES subsystem is inactive.C.The clcomdES subsystem is inactive.
D.The volume group is active on another nodeD.The volume group is active on another node
Correct Answers: B

11: An administrator is configuring an application monitor. Upon encountering an unrecoverable error the administrator does not want the resource group to failover. How can the application monitor be configured to achieve this?
A.Configure the application monitor with a restart count of 0
B.Configure the application monitor with a monitor mode of otify?Configure the application monitor with a monitor mode of ?otify
C.Configure the application monitor with a notify method of onitor?Configure the application monitor with a notify method of ?onitor
D.Configure the application monitor with a failure action of otify?Configure the application monitor with a failure action of ?otify
Correct Answers: D

12: A customer has just deployed a new cluster using IPAT via Aliasing with both service and persistent IP addresses in the same network address range, as follows: node1 node2 n1_persistent (9.1.1.100)   n2_persistent (9.1.1.200) Res_groupA: Res_groupB: serviceA_1 (9.1.1.10)   serviceB_1 (9.1.1.20) serviceA_2 (9.1.1.30) serviceB_2 (9.1.1.40) Synchronization and start-up is successful. However, the users are complaining they cannot work with the application. Which of the following will allow the users to access the application?
A.Switch to IPAT via replacement style networking.
B.Set the AIX network option mpr_policy to use a hash-based algorithm.

C.Change the Distribution Preference of the network to "Collocation with Persistent Label."

D.Change the Distribution Preference of the network to ""Anti-collocation with Persistent Label."

Correct Answers: C

13: A customer who has a two node PowerHA cluster, with each node being at a different site and using cross site LVM, plans to add a third heartbeat to further reduce the chance of data divergence or partitioned cluster. The heartbeat will make use of spare adapters in the nodes. However, the heartbeats must go via an external network requiring static routes to be added for cluster functionality. How can this be achieved?

A.Configure the static route in the /etc/rc.net file

B.Using application Start/Stop scripts to manage the static route

C.Configure Pre and Post event commands to manage the static route

D.Using smitty route command to create the static route and update the ODM

Correct Answers: C

14: An administrator will be performing a PowerHA upgrade on a cluster from version 5.3 to version 5.5. Which of the following tasks will verify a successful migration?

A.Use the clstat command and verify the cluster is in a stable state.

B.After each node is upgraded, run a verification and synchronization.

C.After all nodes are upgraded, run a verification and synchronization.

D.Take a snapshot of each node and verify the configuration is the same.

Correct Answers: C

15: A customer has a resource group rg1 configured on a two node cluster with the following policies: Resource Group Name   [rg1] Participating Nodes (Default Node Priority) [Node2 Node1] Startup Policy   Online On First Available Node Fallover Policy   Fallover To Next Priority Node In The List Fallback Policy   Fallback To Higher Priority Node In The List The customer has observed the following scenarios as nodes join the cluster during cluster start up. Scenario 1 Node1 joins cluster as first node - rg1 is acquired by Node1 Node2 joins cluster as second node - rg1 is moved from Node1 to Node2 Scenario 2 Node2 joins cluster as first node - rg1 is acquired by Node2 Node1 joins cluster as second node - rg1 remains on Node2 Which of the following is the reason for this behavior?

A.rg1 is configured with a delayed fallback timer

B.Settling time policy has not been configured for rg1

C.Node1 does not have sufficient resources to support rg1

D.Node2 is the first in the 'Default Node Priority' list for resource group rg1

Correct Answers: D

16: An administrator will use the discovery process to capture information about common cluster storage. Which of the following commands should the administrator run on each participating node against the shared disk hdisk3 to ensure that this disk is successfully identified by the discovery process?

A.chpv -ay hdisk3

B.cfgmgr -l hdisk3

C.chdev hdisk3   pv=yeschdev ? hdisk3 ? pv=yes

D.chdev hdisk3   reserve_policy=no_reservechdev ? hdisk3 ? reserve_policy=no_reserve

Correct Answers: C

17: A customer wants to configure two resource groups and create the following shared filesystem structure: Resource GroupFilsystem Mount Point Rg1/app1 Rg2/app1/data /app1/data/log Which of the following will ensure the proper mount order for these filesystems?

A.Set filesystem recovery method to parallel

B.Set filesystem recovery method to sequential

C.Set filesystem recovery method to parallel and configure a parent/child relationship for the resource groups

D.Set filesystem recovery method to sequential and configure a parent/child relationship for the resource groups

Correct Answers: D

18: Which of the following options are valid choices for cluster communication security?

A.rsh and ssh

B.Standard and VPN

C..rhost and .shosts

D.Classic and Enhanced

Correct Answers: B

19: Which additional application must be installed in order to use WebSMIT?

A.Mozilla for AIX

B.An Apache compliant Web server

C.Web Based System Manager (WebSM)

D.Websphere Application Server Community Edition

Correct Answers: B

20: An administrator has a legacy cluster running version 4.5/ES and would like to update to version 5.5. Which of the following is a valid upgrade path?

A.1. Upgrade from 4.5 to 5.1

2. Upgrade from 5.1 to 5.5

B.1. Upgrade from 4.5 to 5.2

2. Upgrade from 5.2 to 5.5

C.1. Upgrade from 4.5 to 5.3

2. Upgrade from 5.3 to 5.5

D.1. Upgrade from 4.5 to 5.4.1

2. Upgrade from 5.4.1 to 5.5

Correct Answers: C