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Available Exam Cram and Valid Dumps - Lead2Pass Exam

Exam : **306-300**

Title : LPIC-3 Exam 306: High
Availability and Storage
Clusters

Vendor : Lpi

Version : DEMO

NO.1 Which command is used to manage Ceph clusters?

- A. ceph-admin
- B. ceph-deploy
- C. ceph-manager
- D. ceph-control

Answer: B

NO.2 Which Pacemaker feature allows multiple resources to be grouped and managed together?

- A. Templates
- B. Groups
- C. Clone resources
- D. Multi-state resources

Answer: B

NO.3 What is the purpose of the vgdisplay command?

- A. To create a new volume group in LVM.
- B. To display information about physical volumes.
- C. To display information about logical volumes.
- D. To display information about volume groups.

Answer: D

NO.4 What is the purpose of VRRP (Virtual Router Redundancy Protocol) in a Load Balanced Cluster?

- A. Load balancing algorithm selection
- B. Backend server configuration
- C. IP address failover
- D. ACL management

Answer: C

NO.5 What are the different replication modes available in DRBD?

- A. Protocol A, B, and C
- B. Synchronous and Asynchronous
- C. One-way and Two-way
- D. Active and Passive

Answer: A

NO.6 Which component of a Load Balanced Cluster is responsible for monitoring backend servers and making routing decisions?

- A. ACLs
- B. Syncd
- C. Idirectord
- D. HAProxy

Answer: C

NO.7 Which utility is used to manage the low-level configuration and settings of DRBD devices?

- A. drbdadm
- B. drbdmon
- C. drbdsetup
- D. drbdmeta

Answer: C

NO.8 How can you create and manage Rados Block Devices (RBDs) in Ceph?

- A. By using the ceph-deploy command-line tool.
- B. By configuring OSDs with the desired storage devices.
- C. By interacting with the rados command-line tool.
- D. By adjusting the CRUSH map to include RBD pools.

Answer: C

NO.9 What is LINSTOR in the context of DRBD?

- A. A configuration file used by DRBD
- B. A utility for managing DRBD devices
- C. A distributed file system integrated with DRBD
- D. A tool for managing and configuring storage resources in a cluster

Answer: D

NO.10 Which utility is used to manage software RAID devices on Linux?

- A. smartctl
- B. fdisk
- C. lvm
- D. mdadm

Answer: D

NO.11 Which parameter of vgchange controls whether a volume group is shared within a shared storage cluster? (Specify ONLY the option name without any values or parameters.) Solution: -c -or- c -or- clustered -or- --clustered Determine whether the given solution is correct?

- A. Correct
- B. Incorrect

Answer: A

NO.12 Which mechanism is used to ensure only one node has access to shared resources in a cluster?

- A. Quorum
- B. Fencing
- C. Split brain
- D. Replication

Answer: B

NO.13 Which of the following statements are true regarding the determination of the capacity of a high availability cluster? (Choose TWO correct answers.)

- A. The overall capacity of all components in the cluster doesn't have to be larger than the resources needed in a regular setup.
- B. The number of nodes in a cluster has no effect on the availability as long as the sum of the available computing resources is equal.
- C. Failover clusters can be used to scale a single service beyond the capacity of a single cluster node.
- D. In regular cluster operation, not all resources are used.
- E. In case of the failure of any component, enough resources must remain to provide all cluster services.

Answer: DE

NO.14 Which command is used to check the consistency of an OCFS2 file system?

- A. mkfs.ocfs2
- B. mount.ocfs2
- C. fsck.ocfs2
- D. tunefs.ocfs2

Answer: C

NO.15 Which component of a Failover Cluster is responsible for managing cluster resources and making resource-related decisions?

- A. CIB
- B. CRMd
- C. PEngine
- D. LRMd

Answer: C

NO.16 In keepalived, what is configured by the configuration option `sorry_server`?

- A. The addresses of backend servers that were overloaded in the past and should be scheduled with a reduced priority.
- B. The hostnames of the servers that, despite the remaining configuration, should always be scheduled by the Serial Operation Round Robin algorithm.
- C. The addresses of backend servers that should not get assigned any new connections.
- D. The default virtual host that is assigned to incoming HTTP requests missing a Host: header before forwarding them to a backend server.
- E. The address of a server to which requests are redirected in case no real server is available.

Answer: E

NO.17 What is the role of the "Secondary" node in a DRBD setup?

- A. It is the node responsible for initiating replication.
- B. It is the node that stores the replicated data.
- C. It is the node that handles split brain situations.
- D. It is the node that acts as a backup for the "Primary" node.

Answer: D

NO.18 What is an iSCSI initiator?

- A. A storage device in a SAN
- B. A server or client that connects to an iSCSI target
- C. A protocol used for multipathing in SAN environments
- D. A device used for managing distributed lock management

Answer: B

NO.19 Which one of the following is NOT a required component for running an OCFS2 filesystem resource in a Pacemaker cluster?

- A. A clone resource for the OCFS2 file system.
- B. A shared storage device accessible by all nodes using the OCFS2 filesystem.
- C. The distributed lock manager (DLM).
- D. The cluster logical volume manager (CLVM).
- E. The O2CB service.

Answer: D

NO.20 Which of the following situations can result in a split brain situation in a high availability cluster?

- A. The load balancer of a load balanced cluster fails.
- B. The communication between the cluster nodes is interrupted.
- C. Cluster services are moved between cluster nodes.
- D. More than one node is active in a load balanced cluster.
- E. A cluster node has successfully been fenced.

Answer: B