Veritas Storage Foundation™ 5.0 Administration for UNIX Exam Objectives

SECTION 1

Storage Foundation Concepts

- Describe the structural characteristics of a disk before and after it is placed under Volume Manager control.
- Identify the virtual objects that are created by Volume Manger to manage data storage, including disk groups, disks, subdisks,
- plexes, and volumes.
- Define Volume Manager RAID levels and identify virtual storage layout types used by Volume Manager to remap address space.
- Describe how dynamic multipathing works with active/active and active/passive disk arrays.

SECTION 2

Managing Storage with Storage Foundation

- Explain how to create and view layered volumes by using VEA and from the command line.
- Identify the stages of Volume Manager disk configuration.
- Given a scenario, explain how to create a disk group by using VEA and command line utilities.
- Given a scenario, explain how to view disk and disk group information and identify disk status.
- Given a scenario, explain how to manage disks, including adding a disk to a Volume Manager disk group, removing a disk from a disk group, and changing the disk media name.
- Given a scenario, explain how to manage disk groups, including deporting and importing a disk group, moving a disk group, renaming a disk group, destroying a disk group, and upgrading the disk group version.
- Given a scenario, explain how to create concatenated, striped, mirrored, and RAID-5 volumes by using VEA and from the command line
- Given a scenario, explain how to display volume layout information by using VEA and by using the vxprint command.
- Explain how to remove a volume from Volume Manager by using VEA and from the command line.
- Explain how to add a mirror to and remove a mirror from an existing volume by using VEA and from the command line
- Describe the procedure to add a file system to an existing volume and administer VERITAS File System.
- Explain how to resize a volume, file system, or LUN while the volume remains online.
- Explain how to change the volume layout while the volume remains online.
- Given a scenario, explain how to manage vxconfigd and vxdctl.
- Given a scenario, explain the procedures to upgrade to a new Volume Manager version.
- Explain the advantages, creation, and management of point-in-time copies.

SECTION 3

Storage Foundation Performance Monitoring, Troubleshooting and Recovery Essentials

- Describe the performance analysis process, tools, and factors to consider when analyzing system performance.
- Identify and interpret I/O failure through disk records and volume states.
- Given a scenario, explain how to resolve disk failures by using Volume Manger commands.
- Given a scenario, explain how to interpret volume conditions.
- Given a scenario, explain how to fix plex and volume failures by using Volume Manager tools.
- Given a scenario, explain how to resolve data consistency problems by analyzing and changing plex and volume states.
- Explain how to replace a failed disk.
- Given a scenario, identify performance characteristics of and troubleshoot DMP.
- Describe tasks used to protect the Volume Manager configuration.

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