Oracle

1Z0-581 Exam

Pillar Axiom 600 Storage System Essentials Exam

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Question: 1

The storage administrator is viewing the Axiom storage systems and would like to create a volume for the SAN host. Which GUI component is used to manage this task?

A. AxiomONE MaxMan
B. AxiomONE Storage Services Manager
C. AxiomONEStorage Manager
D. AxiomONEQoS Manager

Answer: A

Explanation:
Java-based GUI for multi-system management. This client application, called AxiomONE MaxMan, allows for the management of multiple Pillar Axiom systems through a single interface.
Pillar Axiom MaxMan enables you to easily access powerful data protection capabilities that generate full copies of data with volume copy and backup features. You can also use a rich set of space-efficient data protection tools with copy-on-write clone functionality for SAN as well as NAS environments. It also enables centralized management of storage infrastructure by integrating with leading management framework software such as Oracle Enterprise Manager

Question: 2

The storage administrator is creating a volume and wants to protect it from a full Brick failure. Identify the protection level needed to accomplish this configuration.

A. Standard Redundancy
B. RAID10
C. Double Redundancy
D. assigning the volume to a Storage Domain

Answer: C

Explanation:
When a factory-fresh, single-SATA Brick system is first powered up, Persistence (which is the Pillar Axiom data store containing many system settings) will be configured on that Brick. Persistence will be doubly-redundant with both instances residing on the same Brick (on two data LUNs). If additional Bricks are added later, Persistence will not be migrated to locate the different copies on separate Bricks for higher protection against single-Brick failure. Reference:
Pillar Axiom 300, 500, and 600. Release notes, Persistence Vulnerability in Single-SATA Brick Systems

Question: 3

The development team needs a volume that contains data from the production system for testing. Identify the best Pillar Axiom storage system method that can solve this challenge.

A. Copy LUN
B. Clone LUN
C. Snapshot
D. Clone Volume

Answer: B

Explanation:
For SAN, the Pillar Axiom storage system provides snapshot backup and restore capability at the LUN level. You can provide data protection for a LUN by cloning the volume. You can clone a LUN manually or create a schedule by which the system automatically creates a Clone LUN on a predefined basis.

Question: 4

The storage administrator is creating a LUN. Which organizational units can the LUN be assigned to?

A. Storage Class
B. Typical Access
C. Volume Group
D. Storage Domain
E. Clone LUN Group

Answer: C

Explanation:
Volume groups are organizational units that can contain any grouping of logical volumes and nested volume groups
Note: A LUN is defined as:
A logical volume within a storage area network (SAN).
Administrators assign storage resources and Quality of
Service (QoS) attributes to each logical unit (LUN).
Reference:
Pillar Axiom Administrator's Guide

Question: 5

From which three sources can the system information be collected and placed into the bundle?

A. Slammer hardware components
B. Brick hardware components
C. Client hosts with APM
D. AxiomONE Storage Manager
E. SAN Switch

Answer: A,B,C

Explanation:
System information can be collected from the following sources and placed into the system log bundle:
* Slammer hardware components
* Brick hardware components
* Client hosts
* Pilot hardware component
Note: To help diagnose a situation that might exist, the Oracle Pillar Customer Support might request that you collect into a single bundle certain logs and other diagnostic information and then send the bundle to Pillar Customer Support for analysis.
Reference:
Pillar Axiom Administrator's Guide, About System Log Bundles

Question: 6

By using which Pillar Axiom feature can you allocate system resources and handle data flow according to its business priority?

A. Quality of Service
B. Thin Provisioning
C. Storage Domains
D. Storage Profiles

Answer: A

Explanation:
QoS policies are available for the following properties:
* Processing queue priority and data access efficiency, known as priority
*Preferred storage media, known as Storage Class
*Number of mirror copies, known as redundancy
*Performance optimization, known as a combination of access bias and I/O bias
Reference:
Pillar Axiom Administrator's Guide, About Quality of Service

Question: 7

Why does it matter if the source power for a PDU is 115v, 208v, or 230v?

A. The Bricks, Slammers, and Pilots will draw different amperes depending on the input to the PDU.
B. The Bricks and Slammers will draw different amperes depending on the input to the PDU but the Pilot will not draw much to make a difference.
C. The Bricks and Pilots will draw the same amperes and not enough to make a difference but the Slammers will draw different amperes depending on the input to the PDU.
D. It does not matter because the Bricks, Slammers, and Pilots will draw the same amperes.

Answer: A

Explanation:

The Pillar Axiom 600 system components must be plugged into the PDUs such that they do not exceed the amperage rating of any outlet group. If you exceed the amperage rating, the circuit breakers trip.

Except where indicated, the maximum rated amperage of the outlet banks remains the same regardless of the electrical service voltage. Therefore, components draw about half the amperage at 230V than at 115V, and you can plug more components into each power distribution unit (PDU).

The table below lists the maximum electrical requirements of the Pillar Axiom 600 components.

Each component has redundant power cords plugged into different PDUs on separate circuits.

Table Pillar Axiom 600 electrical requirements

Component	Amps. at 115 volts	Amps. at 208 volts	Amps. at 230 volts	Power (watts)
Slammer (for both CUs combined)	4.82A	2.82A	2.55A	586W
SATA Brick	2.12A	1.30A	1.18A	264W
FC Brick	2.76A	1.58A	1.43A	260W
SSD Brick	1.22A	.97A	0.88A	146W
Pilot (for each CU)	1.45A	0.66A	0.60A	143W

Reference:
Pillar Axiom 600 Hardware installation Guide, Component Power Usage

Question: 8

Identify the information required during the installation of the Axiom VSS plug-in. Select all that apply.

A. User Name
B. Password
C. System Serial Number
D. VSS Provider Name
E. Port Number

Answer: A,B,C

Explanation:
Download and Install the VSS Provider Plug-In Download the Pillar Axiom VSS Provider plug-in from the Pillar Axiom Storage Services Manager for installation on your SAN host. Prerequisites:
* The SAN host must have TCP/IP connectivity, over Ethernet, to the Pilot management controller.
* For the VSS Provider to create volume shadow copies, the SAN host must have Fibre Channel

connectivity to the Slammer storage controller.

* During the installation, you need the system serial number, user name, and password.

Note: The Microsoft Volume Shadow Copy Service (VSS) Provider plug-in enables the use of VSS-enabled backup applications with the Pillar Axiom 600 system.

VSS enables data protection and management services through a standard set of configuration and monitoring capabilities. These capabilities include creating, manipulating, and restoring snapshots without shutting down applications or essential services.

Reference:

Pillar Axiom Administrator's GuideDownload and Install the VSS Provider Plug-In

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