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QUESTION 1

You have already generated a 256-bit AES raw key and named the keystore file /mykey. You need to use the key to create an encrypted file system.

Which command should you use to create a ZFS encrypted file system named pool1/encrypt using the / mykey keystore?

- A. `zfs create -o encryption = /mykey pool1/encrypt`
- B. `zfs create -o encryption = 256-ccm -o keysource = raw, file : ///my key pool1/encrypt`
- C. `zfs create -o encryption = AES keysource = /mykey pool1/encrypt`
- D. `zfs create -o encryption = on keystore = /mykey pool1/encrypt`

Correct Answer: B

Explanation: Example: Encrypting a ZFS File System by Using a Raw Key

In the following example, an aes-256-ccm encryption key is generated by using the `pktool` command and is written to a file, /cindykey.file.

```
# pktool genkey keystore=file outkey=/cindykey.file keytype=aes keylen=256
```

Then, the /cindykey.file is specified when the tank/home/cindy file system is created.

```
# zfs create -o encryption=aes-256-ccm -o keysource=raw,file:///cindykey.file tank/home/cindys
```

Reference: Oracle Solaris ZFS Administration Guide, Examples of Encrypting ZFS File Systems

QUESTION 2

You have been tasked with creating a dedicated virtual network between two local zones within a single system. In order to isolate the network traffic from other zones on that system.

To accomplish this, you will create_____.

- A. An ether stub
- B. A virtual router
- C. A virtual switch
- D. A virtual bridge.
- E. A virtual network interface
- F. Nothing because a virtual switch is automatically created then the virtual network interfaces are created.

Correct Answer: A

Explanation: Etherstubs are pseudo ethernet NICs which are managed by the system administrator. You can create VNICs over etherstubs instead of over physical links. VNICs over an etherstub become independent of the physical NICs in the system. With etherstubs, you can construct a private virtual network that is isolated both from the other virtual networks in the system and from the external network. For example, you want to create a network environment whose access is limited only to your company developers than to the network at large. Etherstubs can be used to create such an environment.

Note: Oracle Solaris 11 introduces a new and powerful network stack architecture which includes:

*

Networking virtualization with virtual network interface cards (VNICs) and virtual switching (etherstubs)

*

Tight integration with zones

*

Network resource management - efficient and easy to manage integrated quality of service (QoS) to enforce bandwidth limit on VNICs and traffic flows We will be examini

Reference: Oracle Solaris Administration: Network Interfaces and Network Virtualization, Configuring Components of Network Virtualization in Oracle Solaris

QUESTION 3

View the Exhibit

```
# installadm list -n sll-sparc -m -p

Manifest          Status          Criteria
-----          -
orig_default      Default         None
line1-netra2000   mac            = 00:14:4F:2D:7A:DC
zmanifest         zonename       = zone1 zone2

Profile           Criteria
-----          -
z1profile         zonename       = zone1 zone2
z2profile         zonename       = zone2
-----          -
z1profile         zonename       = zone1 zone2
z2profile         zonename       = zone2
```

You executed the command on the Automated Installer (AJ) install server.

Select the three options that describe the information in the Exhibit. (Choose three.)

A. It shows the AI manifests and SC profiles that have been added to the sll-sparc install service.

- B. it will be used to install two zones, zone1 and zone2, as part of the Automated Installation.
- C. zmanifest is used to configure zone parameters such as language, locale, time zone, terminal, users, and the root password for the zone administrator.
- D. The z1 profile and z2profile contain all of the instructions for creating the zone (zonecfg). The information used in this file is in a zonecfg export format
- E. The z1 profile and z2profile contain information to configure zone parameters such as language, locale, time zone, terminal, users, and the root password for the zone administrator.

Correct Answer: BCD

QUESTION 4

In an effort to reduce storage space on your server, you would like to eliminate duplicate copies of data in your server's ZFS file systems.

How do you specify that pool1/data should not contain duplicate data blocks (redundant data) on write operations?

- A. zfs create - o compression=on pool1/data
- B. zpool create -o deduplication =on pool1; zfs create pool1/data
- C. zfs create - o deduplication=on pool1; zfs create pool1/data
- D. zfs create - o dedupratio=2 pool1/data
- E. zfs create - o dedup=on pool1/data

Correct Answer: E

Explanation: ZFS Deduplication Property Solaris Express Community Edition, build 129: In this Solaris release, you can use the deduplication property to remove redundant data from your ZFS file systems. If a file system has the dedup property enabled, duplicate data blocks are removed synchronously. The result is that only unique data is stored and common components are shared between files.

You can enable this property as follows: # zfs set dedup=on tank/home

QUESTION 5

For an Oracle Solaris 11 Automated Installation (AI), select the two properties that can be configured using System Configuration profiles (SC profiles). (Choose two.)

- A. IP address of the AI server
- B. passwords for user accounts
- C. target disk slice for installation
- D. NWAM active network configuration profile (NCP)
- E. IP address of the IPS (Image Packaging System) repository

F. SI_MANIFEST_SCRIPT, which defines the URL of the manifest script

Correct Answer: BF

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