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Oracle Solaris 11 System Administrator

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Topic 1, Volume A

QUESTION NO: 1

zone1 is a non-global zone that has been configured and installed.

zone1 was taken down for maintenance, and the following command was run:

```
zoneadm -z zone1 mark incomplete
```

The following information is displayed when listing the zones on your system:

ID	NAME	STATUS	PATH	BRAND	IP
0	global	running	/	solaris	shared
-	dbzone	installed	/export/dbzone	solaris	excl
-	zone1	incomplete	/zone/zone1	solaris10	excl

Which task needs to be performed before you can boot zone1?

- A. The zone needs to be installed.
- B. The zone needs to be brought to the ready state.
- C. The zone needs to be uninstalled and reinstalled.
- D. The zone needs to be brought to the complete state.

Answer: C

Explanation: If administrative changes on the system have rendered a zone unusable or inconsistent, it is possible to change the state of an installed zone to incomplete.

Marking a zone incomplete is irreversible. The only action that can be taken on a zone marked incomplete is to uninstall the zone and return it to the configured state.

Reference: Installing, Booting, Halting, Uninstalling, and Cloning Non-Global Zones (Tasks), How to Mark an Installed Non-Global Zone Incomplete

QUESTION NO: 2

You need to make sure that all of the software packages on your server are up to date. Without installing any updates, which two commands would display .my software updates that are available in the default Oracle repository?

-
- A. pkg list -u
 - B. pkg verify -u '*'
 - C. pkg search -u
 - D. pkg info -r '*'
 - E. pkg install -nv
 - F. pkg update -nv '*'

Answer: A,D

Explanation: A: the pkg list command display a list of packages in the current image, including state and other information. By default, package variants for a different architecture or zone type are excluded.

D: pkginfo displays information about software packages that are installed on the system (with the first synopsis, with -l) or that reside on a particular device or directory (with the second synopsis, with -r).

Without options, pkginfo lists the primary category, package instance, and the names of all completely installed and partially installed packages. It displays one line for each package selected.

With -r, retrieve the data from the repositories of the image's configured publishers. Note that you must specify one or more package patterns in this case.

Reference: pkg(1) Man Page

QUESTION NO: 3

Which best describes the svc:/system/boot-config service?

- A. It is used to change the milestone on a system.
- B. It is used to set the default run level of the system.
- C. It provides the parameters used to set the system to automatically perform a fast or slow reboot.
- D. When the service is enabled, the system performs a fast reboot by default; when it is disabled the system performs a slow reboot by default.

Answer: C

Explanation: Starting with the Oracle Solaris 11 Express release, Fast Reboot is supported on the SPARC platform, as well as the x86 platform. On both platforms, this feature is controlled by the SMF and implemented through a boot configuration service, svc:/system/boot-config. The boot-config service provides a means for setting or changing the default boot configuration

parameters.

The `fastreboot_default` property of the `boot-config` service enables an automatic fast reboot of the system when either the `reboot` or the `init 6` command is used. When the `config/fastreboot_default` property is set to `true` the system automatically performs a fast reboot, without the need to use the `reboot -f` command. By default, this property's value is set to `false` on the SPARC platform and to `true` on the x86 platform.

Reference: System Administration Guide: Basic Administration, Oracle Solaris 11

Managing the Boot Configuration Service

QUESTION NO: 4

A user jack, using a korn shell, requests a directory listing as follows:

```
jack@solaris:/export/home/jack $ ls
```

```
File filea Filea fileb Fileb filec Filec
```

Which two statements are correct?

- A. The pattern `[?i]*a` will expand to `filea Filea`.
- B. The pattern `[fF]*a?` will expand to `[fF] *a?`.
- C. The pattern `[gfe] *` will expand to `file filea fileb filec`.
- D. The pattern `[g-e] *` will expand to `file filea fileb filec`.
- E. The pattern `[fF] [a-zA-z] i*e` will expand to `file`.

Answer: A,C

Explanation: A: starting with one single character, second character must be letter i, any characters, ending with letter a.

C: starting with letter e, f, or g, followed by anything.

QUESTION NO: 5

You created an IP address for interface `net3` with the following command, which executed successfully:

```
ipadm create-addr -T static -a 192.168.0.100/24 net3/v4
```