

A4040-221^{Q&As}

Assessment: AIX 7 Administration

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QUESTION 1

In addition to enabling remote command execution, which task highlighted in the graphic below must be visited to enable an administrator with hmcooperator permissions to run HMC commands from another server using ssh?

HMC Management (HMC Version)

Operations

View HMC Events	• View the event log of HMC operations and activities
Shut Down or Restart	• Shut down or restart the HMC
Schedule Operations	• Schedule selected operations for the HMC
Format Media	• Format a DVD, diskette, or USB flash memory device.
Back up HMC Data	• Back up HMC information to DVD, to a remote system, or to a remote site
Restore HMC Data	• Restore critical HMC data from a remote source
Save Upgrade Data	• Save upgrade data to the HMC hard drive or DVD
Change Network Settings ←	• View current network information and change settings
Test Network Connectivity	• View network diagnostic information about the network protocols for the HMC
View Network Topology	• View and ping nodes within the management console's network topology
Tip of the Day	• Display tips for using the console
View Licenses	• Read the licenses for the product
Change Default User Interface Settings	• Customize the default appearance of the HMC user interface
Change User Interface Settings	• Customize the appearance of the HMC user interface
Change Date and Time	• Change the date and time for the HMC
Launch Guided Setup Wizard	• Step through setting up your HMC users, passwords, network settings, and customer notification of problems

Administration

Change User Password	• Change your password
Manage User Profiles and Access	• Add, copy, remove, and modify HMC system users and user profiles
Manage Task and Resource Roles ←	• Add, copy, remove, and modify managed resource and task roles
Manage Users and Tasks	• View the logged on users and the tasks they are running
Manage Certificates	• Create, modify, delete, and import certificates used on the HMC, and view certificate signing information
Configure KDC	• Key Distribution Center Configuration
Configure LDAP	• Enterprise Directory Service Configuration
Remote Command Execution	• Enable or disable the command line interface on an HMC
Remote Virtual Terminal ←	• Enable or disable virtual terminal connections for remotely connected HMC sessions
Remote Operation ←	• Control whether this HMC can be operated using a web browser from a remote workstation
Change Language and Locale	• Change the HMC user interface language and locale
Create Welcome Text	• Customize the greeting displayed before logging on
Manage Data Replication	• Share customizable data between HMCs including custom group data, customer information, and more
Manage Install Resources	• Add and remove operating environment install image resources on the HMC

- A. "Change Network Settings" to open port 22
- B. "Remote Operation" to indicate that this HMC can be operated from a remote host
- C. "Remote Virtual Terminal" to enable virtual terminal connections for remotely connected HMC
- D. "Manage Task and Resource Roles" to give the hmcooperator task role permission to ssh to the HMC from a remote host

Correct Answer: A

QUESTION 2

An AIX LPAR has virtual disks presented by a VIO Server and the administrator would like to determine the size of hdisk0. Which command will show this information?

- A. lsdev
- B. lquervpv
- C. lsattr
- D. getconf
- E. lscfq

Correct Answer: D

QUESTION 3

New change control procedures dictate that system maintenance windows be shown to each user after logging into the system using ssh or telnet. Updating which file or files will accomplish this task?

- A. The message of the day file
- B. The user default attributes file
- C. User and admin system alert files
- D. The var daily message files

Correct Answer: A

QUESTION 4

On AIX 7, which command will list a summary of the issues detected by Electronic Service Agent?

- A. esacli errpt
- B. esacli problem
- C. esacli status
- D. esacli activity

Correct Answer: B

QUESTION 5

A system administrator has created a user id using the following command: `mkuser sugroups=security gecos="AIX User" aixuser`

What is the effect of using this command?

- A. The sugroups attribute allows aixuser to su to users in the security group.
- B. The sugroups attribute allows members of the security group to su to this id.
- C. The aixuser will be created as an administrative user id and only the root user can alter attributes for aixuser.
- D. The aixuser will be created as an administrative user and only security group members can alter attributes of this id

Correct Answer: B

QUESTION 6

A mirrored rootvg internal disk, hdisk1, has failed and must be replaced. The remaining mirrored disk, hdisk0, is intact and functioning normally. What is the correct sequence of actions?

A. unmirrorvg rootvg hdisk1 reducevg rootvg hdisk1 rmdev -l hdisk1 -d physically replace hdisk1 cfgmgr extendvg rootvg hdisk1 mirrorvg rootvg Run a bosboot on both disks

B. rmdev-l hdisk1 -d

physically replace hdisk1

cfgmgr

unmirrorvg rootvg hdisk1

reducevg rootvg hdisk1

extendvg rootvg hdisk1

mirrorvg rootvg

Run a bosboot on both disks

C. unmirrorvg rootvg hdisk1 rmdev-l hdisk1 -d physically replace hdisk1 reducevg rootvg hdisk1 cfgmgr extendvg rootvg hdisk1 mirrorvg rootvg Run a bosboot on both disks

D. unmirroivg rootvg hdisk1 reducevg rootvg hdisk1 rmdev -l hdisk1 -d physically replace hdisk1 cfgmgr extendvg rootvg hdisk1 Run a bosboot on both disks mirrorvg rootvg

Correct Answer: A

QUESTION 7

An administrator wants to run secure commands as user1 from hosta to hostb using OpenSSH. Which actions will configure SSH trust?

A. Create a public and private key on hosta Copy contents of public key to hostb file /home/user1/.ssh/authorized_keys2

B. Create a public and private key on hostb Copy contents of private key to hosta file /home/user1/.ssh/authorized_keys2

C. Create a public and private key on hosta Copy contents of key to hostb file /usr/openssh/.ssh/authorized_keys2

D. Create a public and private key on hosta Copy contents of private key to hostb file /home/useM/ssh/authorized_keys2

Correct Answer: A

QUESTION 8

What is the purpose of the virtual media repository on the VIO Server?

A. To store resources for use by the NIM server

B. To store backups of the VIO Server

C. To store images for use by VIO Clients

D. To store images for use by VIO Servers

Correct Answer: C

QUESTION 9

An administrator has issued the command to start IBM Systems Director server. The administrator wants to view the changing status to see when it becomes active. How can this be accomplished?

A. smcli-check

B. isdstat-m

C. smstatus-r

D. lwistat-c

Correct Answer: C

QUESTION 10

Which of the following statements is true about using crontab and at to execute tasks?

A. Commands scheduled with crontab are executed by at.

B. Both commands can be used to schedule a weekly task to run for a user.

C. User access control for both commands can be managed with .deny files in /var/adm/cron.

D. Both commands preserve the current environment, including the user ID and current working directory

Correct Answer: C

QUESTION 11

The following output shows that a logical volume was renamed, but the change does not appear to be effective. What is the most likely cause?

```
10.1.30.49 - PuTTY
# mount
node          mounted      mounted over  vfs      date      options
-----
/dev/hd4      /            /             jfs2     Oct 04 18:21 rw,log=/dev/hd8
/dev/hd2      /usr        /usr          jfs2     Oct 04 18:22 rw,log=/dev/hd8
/dev/hd9var   /var        /var          jfs2     Oct 04 18:22 rw,log=/dev/hd8
/dev/hd3      /tmp        /tmp          jfs2     Oct 04 18:22 rw,log=/dev/hd8
/dev/hd1      /home       /home         jfs2     Oct 04 18:22 rw,log=/dev/hd8
/dev/hd11admin /admin     /admin        jfs2     Oct 04 18:22 rw,log=/dev/hd8
/proc        /proc       /proc         procfs   Oct 04 18:22 rw
/dev/hd10opt  /opt        /opt          jfs2     Oct 04 18:22 rw,log=/dev/hd8
/dev/livedump /var/adm/ras/livedump jfs2     Oct 04 18:22 rw,log=/dev/hd8
/dev/fslv00   /db2db     /db2db        jfs2     Oct 05 09:56 rw,log=/dev/loglv00
# /usr/sbin/chlv -n'db2lv' fslv00
# mount
node          mounted      mounted over  vfs      date      options
-----
/dev/hd4      /            /             jfs2     Oct 04 18:21 rw,log=/dev/hd8
/dev/hd2      /usr        /usr          jfs2     Oct 04 18:22 rw,log=/dev/hd8
/dev/hd9var   /var        /var          jfs2     Oct 04 18:22 rw,log=/dev/hd8
/dev/hd3      /tmp        /tmp          jfs2     Oct 04 18:22 rw,log=/dev/hd8
/dev/hd1      /home       /home         jfs2     Oct 04 18:22 rw,log=/dev/hd8
/dev/hd11admin /admin     /admin        jfs2     Oct 04 18:22 rw,log=/dev/hd8
/proc        /proc       /proc         procfs   Oct 04 18:22 rw
/dev/hd10opt  /opt        /opt          jfs2     Oct 04 18:22 rw,log=/dev/hd8
/dev/livedump /var/adm/ras/livedump jfs2     Oct 04 18:22 rw,log=/dev/hd8
/dev/fslv00   /db2db     /db2db        jfs2     Oct 05 09:56 rw,log=/dev/loglv00
#
```

- A. The command did not perform the change.
- B. The filesystem needs to be remounted.
- C. Only raw logical volumes can be renamed.
- D. The log device needs to be renamed as well.
- E. The volume group should have been inactive.

Correct Answer: B

QUESTION 12

An administrator has logged in as root but is unable to run the ksh script named rperf. Given the following information, how could this be fixed?

```
# ls -l
total 64
-rw-r--r--  1 root    system      1165 Sep 18 23:22 errpt_notify
-r--r--r--  1 bin     bin         622 Sep 18 23:22 lsc
-rwx-----T 1 538804364 staff    343 Sep 18 23:22 rootvg_size_check
-rw-r--r--  1 nobody  staff     13662 Sep 18 23:22 rperf
-rwx-----  1 root    staff        55 Sep 18 23:22 ssh
#
```

- A. Change the parent directory to be executable
- B. Change the owner of the script to root
- C. Change the file to be of extension ksh
- D. Change the permissions to 700

Correct Answer: D

QUESTION 13

How can a system administrator verify the progress of an AIX 7.1 client installation from the NIM master?

- A. nim -status
- B. lsnim-l
- C. nim-o check
- D. tail-f/var/adrn/ras/nimclient

Correct Answer: B

QUESTION 14

An administrator is attempting to recover the sendmail.cf file from the weekly mksysb backup. The following output confirms that the file does exist within the mksysb backup:

```
Cluster 51200 bytes (100 blocks).
Volume number 1
Date of backup: Wed 20 Mar 21:17:26 2013
Files backed up by name
User root
 48015 ./tmp/sendmail.cf
 53278 ./usr/lpp/bos.net/bos.net.tcp.client/7.1.1.17/inst_root/etc/mail/sendmail.cf
 53234 ./usr/lpp/bos.net/inst_root/etc/mail/sendmail.cf
   0 ./usr/samples/tcpip/sendmail/cf
  997 ./usr/samples/tcpip/sendmail/cf/aixsample.mc
 2786 ./usr/samples/tcpip/sendmail/cf/mailserver.mc
 1259 ./usr/samples/tcpip/sendmail/cf/submit.mc
 48015 ./etc/mail/sendmail.cf
 47955 ./etc/mail/sendmail.cf-
 53547 ./etc/mail/sendmail.cf--
 48015 ./etc/mail/sendmail.cf.1355401616
   21 ./etc/sendmail.cf
 48015 ./lpp/save.config/etc/mail/sendmail.cf
   21 ./lpp/save.config/etc/sendmail.cf
files archived: 49674
```

Why would the following smitty panel fail to find and restore the required file?

```
Restore a File or Directory

Type or select values in entry fields.
Press Enter AFTER making all desired changes.

                                [Entry Fields]
* Restore DEVICE                  [/tmp/rootvg_mksysb]      +/
* Target DIRECTORY                [/tmp/]                  /
FILE or DIRECTORY to restore     [/etc/mail/sendmail.cf]
(Leave blank to restore entire archive.)
VERBOSE output?                  yes                          +
Number of BLOCKS to read in a single input operation  []                          #
Restore extended attributes?     yes                          +
```

- A. The target directory must match the source directory
- B. /etc/mail/sendmail.cf is a symbolic link to /etc/sendmail.cf
- C. Extended attributes should not be restored for a symbolic link
- D. The file to restore must be correctly delimited relative to the backup

Correct Answer: D

QUESTION 15

A system with multiple applications is experiencing bursts of activity. This drives the free pages list very low, resulting in increased wait times for applications.

Given the vmstat output below, what can be done to increase the number of free pages to compensate for these bursts of activity?

```
db2serv:/ # vmstat -v
 33554432 memory pages
 32552800 lruable pages
   106 free pages
    4 memory pools
 2507104 pinned pages
  90.0 maxpin percentage
   3.0 minperm percentage
  95.0 maxperm percentage
  10.8 numperm percentage
 3520502 file pages
   0.0 compressed percentage
    0 compressed pages
  10.7 numclient percentage
  95.0 maxclient percentage
 3512039 client pages
    0 remote pageouts scheduled
   18 pending disk I/Os blocked with no pbuf
    0 paging space I/Os blocked with no psbuf
 2007 filesystem I/Os blocked with no fsbuf
   59 client filesystem I/Os blocked with no fsbuf
    0 external pager filesystem I/Os blocked with no fsbuf
   8.0 percentage of memory used for computational pages
```

- A. Increase the maxpin tunable.
- B. Increase the page space size.
- C. Increase the lru_file_repage setting.
- D. Increase the minfree and maxfree tunables

Correct Answer: D

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