➢ **Vendor: LPI**

➢ **Exam Code: 117-300**

➢ **Exam Name: LPIC-3 Exam 300: Mixed Environments**

➢ **Question 101 -- Question 150**

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QUESTION 101
OpenLDAP can be secured by which of these options? (Select THREE correct answers.)

A. TLS (Transport Layer Security)
B. ACLs (Access Control Lists)
C. HTTPS (Hypertext Transfer Protocol Secure)
D. SSL (Secure Sockets Layer)
E. OSI-L2 (OSI Layer 2 encryption)

Answer: ABD

QUESTION 102
After modifying the indexes for a database in slapd.conf and running slapindex, the slapd daemon refuses to start when its init script is called. What is the most likely cause of this?

A. The indexes are not compatible with the init script.
B. The init script cannot be run after executing slapindex, without first signing the indexes with slapsign.
C. The init script has identified one or more invalid indexes.
D. The init script is starting slapd as an ordinary user, and the index files are owned by root.

Answer: D

QUESTION 103
What does cachesize 1000000 represent in the slapd.conf file?

A. The number of entries to be cached.
B. The size of the cache in Bytes.
C. The size of the cache in Bits.
D. The minimum cache size in Bytes.
E. The maximum cache size in Bytes.

Answer: A

QUESTION 104
What is the correct command to regenerate slapd indices based upon the current contents of the database?

A. slapd index
B. sindexd
C. slapindex
D. There is no index command, indexing is handled by the slapd daemon.

Answer: C

QUESTION 105
Which of the following parameters can be used in the file DB_CONFIG? (Select TWO correct answers.)

A. set_cachesize
B. set_cachepath
C. set_db_type
D. set_db_path
E. set_lg_max

Answer: AE

QUESTION 106
A server is authenticating users using the pam_ldap module. Only users who are members of a certain group should be allowed to login. In which parameter in ldap.conf can a filter string be specified, that is ANDed with the login attribute when validating a user? (Enter only the parameter, without any options or values.)

Answer: pam_filter

QUESTION 107
When configuring an OpenLDAP system for integration with PAM and NSS the /etc/nsswitch.conf file needs to be modified. Which of the following parameters completes this line from the /etc/nsswitch.conf file?
passwd.files _____

A. pam
B. ldap
C. pam_nss
D. pam_ldap
E. none

Answer: B

QUESTION 108
By configuring Pluggable Authentication Module (PAM) and Name Service Switch (NSS) technologies to use OpenLDAP, what authentication service can be replaced?

A. Microsoft NT Domain
B. Samba

C. Network Information Service (NIS)
D. Active Directory (AD)

Answer: C

QUESTION 109
In which section of the smb.conf configuration file is the logon script file name specified?

A. [homes]
B. [netlogon]
C. [global]
D. [profiles]

Answer: C

QUESTION 110
By specifying the _____ option in smb.conf and assigning it an appropriate value, Samba will create Machine Trust Accounts automatically when the client joins the domain.

Answer: add machine script

QUESTION 111
For Samba 3 to be able to work as a PDC, some modifications are needed in its main configuration file. Select the THREE options below that show the required actions for this task.

A. The Samba server has to be a logon server.
     This can be configured by the domain logons directive.
B. The Samba server needs to have the logon and the account creation scripts, to properly setup the PDC environment.
C. The Samba server must be a Domain Master Browser.
     To configure this, the domain master directive must be set to yes.
D. The time server = yes directive needs to be configured, so Samba will behave as a WINS server and also a Time server.
E. The security = user directive must be set.

Answer: ACE

QUESTION 112
The command _____ is used on a Samba server to modify the SID in an existing NT profile.

Answer: profiles

QUESTION 113
To properly configure a Samba server to be a Primary Domain Controller (PDC), what configuration option must be set to yes?

A. domain master
B. log level
C. local master
D. local logon

Answer: A

QUESTION 114
When integrating Samba and OpenLDAP, what schema needs to be included in the OpenLDAP slapd.conf?

A. samba.schema
B. windows.schema
C. java.schema
D. microsoft.schema
E. nis.schema

Answer: A

QUESTION 115
Which of the following values are valid for the Samba 4 configuration directive server role? (Select THREE correct answers.)

A. LEGACY DOMAIN MASTER BROWSER
B. NETBIOS BACKUP DOMAIN CONTROLLER
C. ACTIVE DIRECTORY DOMAIN CONTROLLER
D. ANCIENT WINS PROXY SERVER
E. CLASSIC PRIMARY DOMAIN CONTROLLER

Answer: BCE

QUESTION 116
Which of the following commands sets up Samba 4 as an Active Domain Directory Controller for a new domain?

A. samldap-domainadd
B. net ads prepare domain
C. smbcontrol dcpromo
D. samba-tool domain provision

Answer: D

QUESTION 117
Which directive in the smb.conf of a Samba 4 Active Directory Domain Controller specifies the name of the Active Directory Domain? (Specify only the option without any values or parameters.)

Answer: realm

QUESTION 118
Which of the following options must be set in smb.conf in order to configure Samba as Active Directory Domain Controller?

A. active directory logons = yes
B. security = addc
C. server role = active directory domain controller
D. ad server mode = domain controller

Answer: C

QUESTION 119
In order to user the user and group mappings stored in an LDAP directory, which setting in smb.conf is correct?

A. idmap backend=ldap://ldap.example.com:636
B. ldmap backend=ldap
C. idmap backend=ldap:ldap://ldap.example.com:636
D. idmap backend=ldap server=ldap://ldap.example.com:636

Answer: C

QUESTION 120
Which of the following statements about the Samba 3 server are true? (Select THREE correct answers.)

A. Provided the necessary UNIX groups are created and mapped, the server can automatically migrate usernames to the local SAM
B. The server can join an ADS domain as a member
C. The server can be a Domain Controller on an ADS domain
D. User and group IDs are mapped to an LDAP backend by default
E. The server password backend supports LDAP operations

Answer: ABE

QUESTION 121
The command _____ is used on a Samba 3 to modify the SSID in an existing NT profile file called NTUser.Dat.

Answer: PROFILES

QUESTION 122
Which of the following commands will mount a remote samba share when the user is winuser and password somepass?

A. mount -t smbfs -o username=winuser%password=somepass //SERVER/share /media/sambashare
B. mount -t smbfs -o username=winuser,password=somepass //SERVER/share /media/sambashare
C. mount -t smbfs -o winuser%password=somepass //SERVER/share /media/sambashare
D. mount -t smbfs -o username=winuser,password=somepass \\SERVER\share /media/sambashare

Answer: B

QUESTION 123
Which files store printer and driver properties created on the server?

A. printers.tdb and spooler.tdb
B. ntforms.tdb and ntprinters.tdb
C. printers.tdb and drivers.tdb
D. print_spool.tdb and ntdrivers.tdb
E. ntprinters.tdb and ntdrivers.tdb

Answer: E

QUESTION 124
The log level parameter in smb.conf should normally not be set higher than 2 because____.

A. The increased verbosity has a negative impact on network bandwidth
B. Most samba administrators cannot understand the information presented at higher log levels
C. The server flushes the log file after each operation, which affects overall performance
D. Credentials supplied by the user are logged, which poses a security risk

Answer: C

QUESTION 125
Which option below shows the correct command line to list the shares exported by the samba server called NAME?

A. smbclient -N NAME
B. smbmount -L NAME
C. smbcontrol -L
D. smbclient -L NAME

Answer: D

QUESTION 126
The configuration below is contained in the samba main configuration file:
```
[homes]
comment = Home folder
writable = yes
browseable = no
valid usrs = %S
```
However, an attempt at listing the share with smbclient didn't work. Which TWO options below could be possible reasons for this?

A. One of the reasons is that the browseable directive was set to no, denying the share listing to anonymous users.
B. The real problem is in the valid users directive, which allows access to the share, but denies access to the Linux file system.
C. The writable option is in the wrong place in the configuration file.
D. If the smblient command was executed by an authenticated user, the share would be listed.
E. The configurations above are correct but the administrator forgot to reload the configuration by restarting the Samba daemon.

Answer: AD

QUESTION 127
Which commands can be used to terminate all running instances of smbd?

A. smbcontrol smbd shutdown
B. smbcontrol nmbd shutdown
C. smbcontrol shutdown
D. smbcontrol samba shutdown

Answer: A

QUESTION 128
Sending a message of type _____ to a Samba daemon using smbcontrol changes the daemon's debug level. (Only specify the name of the message type without command or options.)

Answer: debug

QUESTION 129
Which type of files will be stored inside the directory specified below?
```
# smbd -b |grep LOCKDIR
LOCKDIR:/var/cache/samba
```

A. Configuration files
B. TDB files
C. WINS name cache files
D. Samba print spool files

Answer: B

QUESTION 130
The log level parameter in smb.conf should normally not be set higher than 2 because _____.

A. credentials supplied by the user are logged, which poses a security risk.
B. the increased verbosity has a negative impact on network bandwidth.
C. most Samba administrators cannot understand the information presented at higher log levels.
D. the server flushes the log file after each operation, which affects overall performance.

Answer: D

QUESTION 131
Which commands will dump out the contents of a Samba printer driver's TDB file? (Select TWO correct answers.)

A. pdbedit
B. smbclient
C. tdbtool dump
D. tdbdump
E. tdblist

Answer: CD

QUESTION 132
In order to restrict access to the SMB (445/tcp) port and stop the user of NETBIOS (139/tcp), what parameter is required in smb.conf in Samba 3?

A. Socket options=port:445
B. Disable directhosting=No
C. Smb port = 445
D. Disable netbios = Yes

Answer: C

QUESTION 133

You are building a server which will authenticate users using the pam_ldap module. In addition to possessing a valid account, you only want to allow logins by users who are members of a certain group. Which parameter in ldap.conf will allow you to specify a filter string to be ANDed with the login attribute when validating a user? (Enter only the parameter without any options or values.)

Answer: PAM_FILTER

QUESTION 134
Which of the following ACL lines allows access to all hosts that have an IP Address that starts with 192.168.1?

A. by ipaddress=192.168.1
B. by peername=192.168.1.*
C. by peername=192.168.1
D. by ipaddress=192.168.1.*

Answer: B

QUESTION 135
When performing a capacity planning exercise, when would taking measurements be most appropriate?

A. During successful operation
B. After an overload or an episode
C. During an overload or an episode
D. After replacing problematic hardware

Answer: A

QUESTION 136
The _____ daemon provides the capability for a master slapd server to propagate changes to a slave.

Answer: SLURPD

QUESTION 137
Which configuration option will enable SSL/TLS encryption when compiling OpenLDAP?

Answer: --WITH-TLS

QUESTION 138
What does the slapindex tool do?

A. Displays information about the currently configured indexes.
B. Regenerates indexes defined in slapd.conf.
C. Displays only the DN of every entry in the directory, sorted by container.
D. Defragments the LDAP database files.

Answer: B

QUESTION 139
Which of the following are valid LDAP client command? (Select TWO correct answers.)

A. slapcat
B. ldappasswd
C. ldapwhoami
D. ldapbrowser
E. slaptest

Answer: BC

QUESTION 140

What operating system tools can be used to collect capacity planning data? (Select TWO correct answers.)

A. ps
B. fuser
C. top
D. lsof

Answer: AC

QUESTION 141

Which of the following resources would be measured for capacity planning? (Select TWO correct answers.)

A. CPU Usage
B. Application load time
C. Disk Usage
D. Memory usage

Answer: AD

QUESTION 142

Which of the following tools are used to measure network I/O?

```
procs                    memory   swap      io    system        cpu
r b w  swpd    free  buff  cache si so   bi    bo   in  cs us sy  id
1 0 0     0 143904 25484  50724  0  0   30     8  104  33  3  2  95
0 0 0     0 143728 25584  50728  0  0    0    55  113  21  1  1  98
1 0 0     0 118452 41596  50728  0  0  766   518  294 403  3  8  90
1 0 0     0 105692 49912  50728  0  0  774    58  294 406  4  4  92
0 1 2     0  90260 61560  50728  0  0  622  1214  344 333  3  7  90
0 0 0     0  83816 65716  50728  0  0  270   393  265 188  2  5  93
```

A. iostat
B. netstat
C. route
D. vmstat

Answer: B

QUESTION 143

In the following output, what resource is the program being observed using the most?

```
procs                      memory   swap      io   system        cpu
 r b w  swpd   free  buff  cache  si so  bi bo   in   cs us sy   id
 1 0 0     0  76272 67784  55956   0  0  35 16  107   36  5  2   93
 0 0 0     0  24936 67992  55960   0  0   0  3  281  412 18 26   56
 8 0 0     0   4040 62872  51080   0  0   0  6  202  247 16 13   71
 0 0 0    56   3384 34444  21744   0  0   0 17  205  245 16 16   68
 0 0 0  1128   3532 31032  18868   0 27   0 31  151  119  9 11   81
 2 0 0  1044  19136 31044  18868   0  0   0  2  106   67  3  4   93
```

A. CPU
B. memory
C. disk I/O
D. network I/O

Answer: C

QUESTION 144
Several mail clients do not support LDAP version 3 binding. If an installation of OpenLDAP rejects version 2 binds by default, what line must be added to slapd.conf to support these clients?

Answer: ALLOWBIND_V2

QUESTION 145
To restrict user authentication to ONLY users who belong to a specific organizational unit, which file should be modified?

A. ldap.conf
B. pam_ldap.conf
C. pam.conf
D. /etc/pam.d/login
E. /etc/pam.d/ldap

Answer: A

QUESTION 146
In capacity planning exercises, what tools assist in identifying processes of interest from other processes? (Select TWO correct answers.)

A. acpid
B. pstree
C. w
D. lsof

Answer: BD

QUESTION 147
In the following output, what does the 1 in the b column indicate?

A. A process is swapped and waiting.

B. A process is waiting.
C. A process is waiting on a parent to check its exit value.
D. A process is blocked on I/O.

Answer: D

QUESTION 148
Which of the following tools are used to measure disk I/O? (Select THREE correct answers.)

A. lpstat
B. sar
C. iostat
D. vmstat
E. mpstat

Answer: BCE

QUESTION 149
Which of the following statements about the ldapsearch command are true? (Select THREE correct answers.)

A. With the -x option, the simple bind authentication method will be used.
B. It is possible to configure a specific LDAP server for the search with the -h option.
C. The -b option specifies the database where the LDIF file will be included.
D. The -L option is useful when for viewing details of LDIF files.
E. The -Z option requires a successful StartTLS operation in order to continue.

Answer: ABD

QUESTION 150
An administrator is adding several LDIF files to the directory with slapadd and the new entries are not displayed when ldapsearch is used. Assuming that there is no database corruption, what is the most appropriate solution to the problem?

A. Run ldaprefresh_all
B. Run slaprefresh_all
C. Stop the slapd process, run slapindex and then correct the entries using slap_vaccum
D. Stop the slapd process and add the files again with slapadd

Answer: D

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