

## Exam Questions 202-450

LPIC-2 Exam 202 Part 2 of 2 version 4.5

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#### NEW QUESTION 1

On a Linux router, packet forwarding for IPv4 has been enabled. After a reboot, the machine no longer forwards IP packets from other hosts. The command: `echo 1 > /proc/sys/net/ipv4/ip_forward` temporarily resolves this issue.

Which one of the following options is the best way to ensure this setting is saved across system restarts?

- A. Add `echo 1 > /proc/sys/net/ipv4/ip_forward` to the root user login script
- B. Add `echo 1 > /proc/sys/net/ipv4/ip_forward` to any user login script
- C. In `/etc/sysctl.conf` change `net.ipv4.ip_forward` to 1
- D. In `/etc/rc.local` add `net.ipv4.ip_forward = 1`
- E. In `/etc/sysconfig/iptables-config` add `ipv4.ip_forward = 1`

**Answer: C**

#### NEW QUESTION 2

What information can be found in the file specified by the `status` parameter in an OpenVPN server configuration file? (Choose two.)

- A. Errors and warnings generated by the `openvpn` daemon
- B. Routing information
- C. Statistical information regarding the currently running `openvpn` daemon
- D. A list of currently connected clients
- E. A history of all clients who have connected at some point

**Answer: BD**

#### NEW QUESTION 3

Which of the following lines in the `sshd` configuration file should, if present, be changed in order to increase the security of the server? (Choose two.)

- A. `Protocol 2, 1`
- B. `PermitEmptyPasswords no`
- C. `Port 22`
- D. `PermitRootLogin yes`
- E. `IgnoreRhosts yes`

**Answer: AD**

#### NEW QUESTION 4

Which Linux user is used by `vsftpd` to perform file system operations for anonymous FTP users?

- A. The Linux user which runs the `vsftpd` process
- B. The Linux user that owns the root FTP directory served by `vsftpd`
- C. The Linux user with the same user name that was used to anonymously log into the FTP server
- D. The Linux user `root`, but `vsftpd` grants access to anonymous users only to globally read-/writeable files
- E. The Linux user specified in the configuration option `ftp_username`

**Answer: E**

#### NEW QUESTION 5

Which of the following `sshd` configuration should be set to `no` in order to fully disable password based logins? (Choose two.)

- A. `PAMAuthentication`
- B. `ChallengeResponseAuthentication`
- C. `PermitPlaintextLogin`
- D. `UsePasswords`
- E. `PasswordAuthentication`

**Answer: BE**

#### NEW QUESTION 6

The content of which local file has to be transmitted to a remote SSH server in order to be able to log into the remote server using SSH keys?

- A. `~/.ssh/authorized_keys`
- B. `~/.ssh/config`
- C. `~/.ssh/id_rsa.pub`
- D. `~/.ssh/id_rsa`
- E. `~/.ssh/known_hosts`

**Answer: A**

#### NEW QUESTION 7

What is the name of the network security scanner project which, at the core, is a server with a set of network vulnerability tests?

- A. NetMap
- B. OpenVAS
- C. Smartscan

D. Wireshark

Answer: B

#### NEW QUESTION 8

With fail2ban, what is a 'jail'?

- A. A netfilter rules chain blocking offending IP addresses for a particular service
- B. A group of services on the server which should be monitored for similar attack patterns in the log files
- C. A filter definition and a set of one or more actions to take when the filter is matched
- D. The chroot environment in which fail2ban runs

Answer: C

#### NEW QUESTION 9

The program vsftpd, running in a chroot jail, gives the following error:

```
/bin/vsftpd: error while loading shared libraries: libc.so.6:  
cannot open shared object file: No such file or directory.
```

Which of the following actions would fix the error?

- A. The file /etc/ld.so.conf in the root filesystem must contain the path to the appropriate lib directory in the chroot jail
- B. Create a symbolic link that points to the required library outside the chroot jail
- C. Copy the required library to the appropriate lib directory in the chroot jail
- D. Run the program using the command chroot and the option--static\_libs

Answer: C

#### NEW QUESTION 10

A user requests a "hidden" Samba share, named confidential, similar to the Windows Administration Share. How can this be configured?

A

```
[confidential]  
comment = hidden share  
path = /srv/smb/hidden  
write list = user  
create mask = 0700  
directory mask = 0700
```

B

```
[$confidential]  
comment = hidden share  
path = /srv/smb/hidden  
write list = user  
create mask = 0700  
directory mask = 0700
```

C

```
[#confidential]
comment = hidden share
path = /srv/smb/hidden
write list = user
create mask = 0700
directory mask = 0700
```

D

```
[%confidential]
comment = hidden share
path = /srv/smb/hidden
write list = user
create mask = 0700
directory mask = 0700
```

E

```
[confidential$]
comment = hidden share
path = /srv/smb/hidden
write list = user
create mask = 0700
directory mask = 0700
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D
- E. Option E

Answer: E

**NEW QUESTION 10**

Which of the following options are valid in /etc/exports? (Choose two.)

- A. rw
- B. ro
- C. rootsquash
- D. norootsquash
- E. uid

Answer: AB

**NEW QUESTION 13**

Which command is used to configure which file systems a NFS server makes available to clients?

- A. exportfs
- B. mkfs.nfs
- C. mount
- D. nfservct1
- E. telinit

**Answer:** A

#### NEW QUESTION 17

What option for BIND is required in the global options to disable recursive queries on the DNS server by default?

- A. allow-recursive-query ( none; );
- B. allow-recursive-query off;
- C. recursion { disabled; };
- D. recursion { none; };
- E. recursion no;

**Answer:** E

#### NEW QUESTION 20

What is DNSSEC used for?

- A. Encrypted DNS queries between nameservers
- B. Cryptographic authentication of DNS zones
- C. Secondary DNS queries for local zones
- D. Authentication of the user that initiated the DNS query
- E. Encrypting DNS queries and answers

**Answer:** B

#### NEW QUESTION 23

What word is missing from the following excerpt of a named.conf file?

```
_____ friends {  
    10.10.0.0/24; 192.168.1.0/24;  
};  
  
options {  
    allow-query { friends; };  
};
```

- A. networks
- B. net
- C. list
- D. acl
- E. group

**Answer:** D

#### NEW QUESTION 24

In a BIND zone file, what does the @ character indicate?

- A. It's the fully qualified host name of the DNS server
- B. It's an alias for the e-mail address of the zone master
- C. It's the name of the zone as defined in the zone statement in named.conf
- D. It's used to create an alias between two CNAME entries

**Answer:** C

#### NEW QUESTION 27

Which BIND option should be used to limit the IP addresses from which slave name servers may connect?

- A. allow-zone-transfer
- B. allow-transfer
- C. allow-secondary
- D. allow-slaves
- E. allow-queries

Answer: B

**NEW QUESTION 31**

Which Apache HTTPD directive enables HTTPS protocol support?

- A. HTTPSEngine on
- B. SSLEngine on
- C. SSLEnable on
- D. HTTPSEnable on
- E. StartTLS on

Answer: B

**NEW QUESTION 33**

Which http\_access directive for Squid allows users in the ACL named sales\_net to only access the Internet at times specified in the time\_acl named sales\_time?

- A. http\_access deny sales\_time sales\_net
- B. http\_access allow sales\_net sales\_time
- C. http\_access allow sales\_net and sales-time
- D. allow http\_access sales\_net sales\_time
- E. http\_access sales\_net sales\_time

Answer: B

**NEW QUESTION 37**

Which tool creates a Certificate Signing Request (CSR) for serving HTTPS with Apache HTTPD?

- A. apachect1
- B. certgen
- C. cartool
- D. httpsgen
- E. openssl

Answer: E

**NEW QUESTION 40**

In response to a certificate signing request, a certification authority sent a web server certificate along with the certificate of an intermediate certification authority that signed the web server certificate. What should be done with the intermediate certificate in order to use the web server certificate with Apache HTTPD?

- A. The intermediate certificate should be merged with the web server's certificate into one file that is specified in SSLCertificateFile
- B. The intermediate certificate should be used to verify the certificate before its deployment on the web server and can be deleted
- C. The intermediate certificate should be stored in its own file which is referenced in SSLCaCertificateFile
- D. The intermediate certificate should be imported into the certificate store of the web browser used to test the correct operation of the web server
- E. The intermediate certificate should be archived and resent to the certification authority in order to request a renewal of the certificate

Answer: A

**NEW QUESTION 42**

CORRECT TEXT

Which directive in a Nginx server configuration block defines the TCP ports on which the virtual host will be available, and which protocols it will use? (Specify ONLY the option name without any values.)

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

listen

**NEW QUESTION 43**

When trying to reverse proxy a web server through Nginx, what keyword is missing from the following configuration sample?

```
location / {  
    _____ http://proxiedserver:8080;  
}
```

- A. remote\_proxy
- B. reverse\_proxy
- C. proxy\_reverse
- D. proxy\_pass

E. forward\_to

**Answer:** D

#### NEW QUESTION 47

In a PAM configuration file, which of the following is true about the required control flag?

- A. If the module returns success, no more modules of the same type will be invoked
- B. The success of the module is needed for the module-type facility to succeed
- C. If it returns a failure, control is returned to the calling application
- D. The success of the module is needed for the module-type facility to succeed
- E. However, all remaining modules of the same type will be invoked
- F. The module is not critical and whether it returns success or failure is not important
- G. If the module returns failure, no more modules of the same type will be invoked

**Answer:** C

#### NEW QUESTION 49

How are PAM modules organized and stored?

- A. As plain text files in /etc/security/
- B. As statically linked binaries in /etc/pam.d/bin/
- C. As Linux kernel modules within the respective sub directory of /lib/modules/
- D. As shared object files within the /lib/ directory hierarchy
- E. As dynamically linked binaries in /usr/lib/pam/sbin/

**Answer:** E

#### NEW QUESTION 52

CORRECT TEXT

In order to specify alterations to an LDAP entry, what keyword is missing from the following LDIF file excerpt?

```
dn: cn=Some Person, dc=example, dc=com
changetype: _____
```

...

Specify the keyword only and no other information.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

add

#### NEW QUESTION 57

After the installation of Dovecot, it is observed that the dovecot processes are shown in ps ax like this:

```
31248 ?      S        0:00 dovecot/imap
31253 ?      S        0:00 dovecot/imap-login
```

In order to associate the processes with users and peers, the username, IP address of the peer and the connection status, which of the following options must be set?

- A. --with-linux-extprocnames for ./configure when building Dovecot
- B. sys.ps.allow\_descriptions = 1 in sysctl.conf or /proc
- C. proc.all.show\_status = 1 in sysctl.conf or /proc
- D. verbose\_proctitle = yes in the Dovecot configuration
- E. process\_format = "%u %l %s" in the Dovecot configuration

**Answer:** D

#### NEW QUESTION 60

CORRECT TEXT

Which action in a Sieve filter forwards a message to another email address without changing the message? (Specify ONLY the action's name without any parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

redirect

**NEW QUESTION 64**

In order to join a file server to the Active Directory domain intra.example.com, the following smb.conf has been created:

```
[global]

workgroup = intra.example.com

netbios name = Fileserver

server role = member server

idmap config * : backend = tdb

idmap config * : range = 10000-199999

winbind enum users = yes

winbind enum group = yes
```

The command net ads join raises an error and the server is not joined to the domain. What should be done to successfully join the domain?

- A. Change server role to ad member server to join an Active Directory domain instead of an NT4 domain.
- B. Add realm = intra.example.com to the smb.conf and change workgroup to the domain's netbios workgroup name.
- C. Manually create a machine account in the Active Directory domain and specify the machine account's name with -U when starting net ads join.
- D. Remove the winbind enum users and winbind enum groups since winbind is incompatible with Active Directory domains.
- E. Remove all idmap configuration stanzas since the id mapping is defined globally in an Active Directory domain and cannot be changed on a member server.

**Answer:** E

**NEW QUESTION 65**

CORRECT TEXT

What command displays NFC kernel statistics? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

nfsstat

**NEW QUESTION 69**

Which keyword is used in the Squid configuration to define networks and times used to limit access to the service?

- A. acl
- B. allow
- C. http\_allow
- D. permit

**Answer:** A

**NEW QUESTION 73**

The following Apache HTTPD configuration has been set up to create a virtual host available at www.example.com and www2.example.com:

```
<VirtualHost *:80>

    ServerName www.example.com

    ServerName www2.example.com

    ServerAdmin webmaster@example.com

    DocumentRoot /var/www/

    <Directory /srv/www/>
        Require all granted
    </Directory>

</VirtualHost>
```

Even though Apache HTTPD correctly processed the configuration file, requests to both names are not handled correctly. What should be changed in order to ensure correct operations?

- A. The configuration must be split into two VirtualHost sections since each virtual host may only have one name.
- B. The port mentioned in opening VirtualHost tag has to be appended to the ServerName declaration's values.
- C. Both virtual host names have to be placed as comma separated values in one ServerName declaration.
- D. Both virtual host names have to be mentioned in the opening VirtualHost tag.
- E. Only one Server name declaration may exist, but additional names can be declared in ServerAlias options.

**Answer: C**

#### NEW QUESTION 74

Given the following Squid configuration excerpt: `cache_dir ufs /var/spool/squid3/ 1024 16 256`  
Which of the following directories will exist directly within the directory `/var/spool/squid3/`? (Choose two.)

- A. 0F
- B. A0
- C. 0b
- D. FF
- E. 00

**Answer: AC**

#### NEW QUESTION 77

Which of the following statements are true regarding Server Name Indication (SNI)? (Choose two.)

- A. It supports transparent failover of TLS sessions from one web server to another.
- B. It allows multiple SSL/TLS secured virtual HTTP hosts to coexist on the same IP address.
- C. It enables HTTP servers to update the DNS of their virtual hosts' names using the X 509 certificates of the virtual hosts.
- D. It provides a list of available virtual hosts to the client during the TLS handshake.
- E. It submits the host name of the requested URL during the TLS handshake.

**Answer: BE**

#### NEW QUESTION 79

There is a restricted area in a site hosted by Apache HTTPD, which requires users to authenticate against the file `/srv/www/security/sitepasswd`. Which command is used to CHANGE the password of existing users, without losing data, when Basic authentication is being used?

- A. `htpasswd -c /srv/www/security/sitepasswd user`
- B. `htpasswd /srv/www/security/sitepasswd user`
- C. `htpasswd -n /srv/www/security/sitepasswd user`
- D. `htpasswd -D /srv/www/security/sitepasswd user`

**Answer: A**

#### NEW QUESTION 84

Which of the following are logging directives in Apache HTTPD? (Choose two.)

- A. TransferLog
- B. CustomLog
- C. ErrorLog
- D. ServerLog
- E. VHostLog

**Answer: AB**

#### NEW QUESTION 89

Which option within a Nginx server configuration section defines the file system path from which the content of the server is retrieved?

- A. location
- B. htdocs
- C. DocumentRoot
- D. root
- E. base\_dir

**Answer: D**

#### NEW QUESTION 93

With Nginx, which of the following directives is used to proxy requests to a FastCGI application?

- A. `fastcgi_pass`
- B. `fastcgi_proxy`
- C. `proxy_fastcgi`
- D. `proxy_fastcgi_pass`
- E. `fastcgi_forward`

**Answer: A**

#### NEW QUESTION 95

For what purpose is TCP/IP stack fingerprinting used by nmap?

- A. It is used to determine the remote operating system.
- B. It is used to filter out responses from specific servers.
- C. It is used to identify duplicate responses from the same remote server.
- D. It is used to masquerade the responses of remote servers.
- E. It is used to uniquely identify servers on the network for forensic

**Answer:** A

#### NEW QUESTION 98

What is the standard port used by OpenVPN?

- A. 1723
- B. 4500
- C. 500
- D. 1194

**Answer:** D

#### NEW QUESTION 102

CORRECT TEXT

What option in the sshd configuration file instructs sshd to permit only specific user names to log in to a system? (Specify ONLY the option name without any values.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

sshd\_config

#### NEW QUESTION 104

Using its standard configuration, how does fail2ban block offending SSH clients?

- A. By rejecting connections due to its role as a proxy in front of SSHD.
- B. By modifying and adjusting the SSHD configuration.
- C. By creating and maintaining netfilter rules.
- D. By creating null routes that drop any answer packets sent to the client.
- E. By modifying and adjusting the TCP Wrapper configuration for SSH

**Answer:** B

#### NEW QUESTION 107

Which FTP names are recognized as anonymous users in vsftpd when the option anonymous\_enable is set to yes in the configuration files? (Choose two.)

- A. anonymous
- B. ftp
- C. In the described configuration, any username which neither belongs to an existing user nor has another special meaning is treated as anonymous user.
- D. nobody
- E. guest

**Answer:** AB

#### NEW QUESTION 111

Which command is used to administer IPv6 netfilter rules?

- A. iptables
- B. iptablesv6
- C. iptables6
- D. ip6tables
- E. ipv6tables

**Answer:** D

#### NEW QUESTION 113

A zone file contains the following lines:

```
$ORIGIN example.com
```

```
host2.example.org. IN A 198.51.100.102
```

and is included in the BIND configuration using this configuration stanza:

```
zone "example.com" {  
    type master;  
    file "db.example.com";  
};
```

Which problem is contained in this configuration?

- A. The zone statement in the BIND configuration must contain the cross-zone-data yes; statement.
- B. The zone cannot contain records for a name which is outside the zone's hierarchy.
- C. The \$ORIGIN declaration cannot be used in zone files that are included for a specific zone name in the BIND configuration.
- D. An A record cannot contain an IPv4 address because its value is supposed to be a reverse DNS name.
- E. Names of records in a zone file cannot be fully qualified domain name

**Answer:** C

#### NEW QUESTION 114

CORRECT TEXT

According to the configuration below, what is the full e-mail address of the administrator for this domain?

```
$ORIGIN example.com  
  
@ IN SOA mars.example.com pluto.example.com (  
    2016073142  
    10800  
    3600  
    604800  
    86400 )
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

admin@mars.example.com

#### NEW QUESTION 116

CORRECT TEXT

Which option in the Postfix configuration makes Postfix pass email to external destinations to another SMTP-server? (Specify ONLY the option name without any values.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

relay server

#### NEW QUESTION 121

What is the name of the Dovecot configuration variable that specifies the location of user mail?

- A. mbox
- B. mail\_location
- C. user\_dir
- D. maildir
- E. user\_mail\_dir

**Answer:** B

#### NEW QUESTION 126

In the main Postfix configuration file, how are service definitions continued on the next line?

- A. It isn't possible
- B. The service definition must fit on one line.

- C. The initial line must end with a backslash character (\).
- D. The following line must begin with a plus character (+).
- E. The following line must begin with white space indentation.
- F. The service definition continues on the following lines until all of the required fields are specified.

**Answer:** D

#### NEW QUESTION 127

Which of these sets of entries does the following command return?

```
ldapsearch -x "(|(cn=marie) (!(telephoneNumber=9*)))"
```

- A. Entries that don't have a cn of marie or don't have a telephoneNumber that begins with 9.
- B. Entries that have a cn of marie or don't have a telephoneNumber beginning with 9.
- C. Entries that have a cn of marie and a telephoneNumber that ending with 9.
- D. Entries that don't have a cn of marie and don't have a telephoneNumber beginning with 9.
- E. Entries that have a cn of marie or have a telephoneNumber beginning with 9.

**Answer:** C

#### NEW QUESTION 132

Which of the following types of IPv6 address assignments does DHCPv6 support? (Choose three.)

- A. Assignments of normal IPv6 addresses that can be renewed.
- B. Assignments of temporary IPv6 addresses that cannot be renewed.
- C. Assignments of blacklisted IPv6 addresses that should no longer be used.
- D. Assignments of IPv6 prefixes that can be used for routing or further assignments.
- E. Assignments of anonymous IPv6 addresses whose assignment is not logged by the DHCPv6 server.

**Answer:** ABD

#### NEW QUESTION 134

Which of the following statements is INCORRECT regarding the LDIF file format?

- A. It contains a dn line that indicates where the attributes listed in the following lines of the file must be added.
- B. In the file, a blank line separates one entry from another one.
- C. If an attribute contains binary data, some specific configurations must be made for this entry.
- D. The LDIF file accepts any type of file encoding.

**Answer:** D

#### NEW QUESTION 135

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