



CompTIA Linux+ and LPIC Practice Tests



PREV

[Chapter 20 File Sharing \(Topic 209\)](#)

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Chapter 21 Network Client Management (Topic 210)

THE FOLLOWING LPIC-2 EXAM TOPICS ARE COVERED IN
THIS CHAPTER:

- ✓ **210.1 DHCP configuration**
 - DHCP configuration files, terms and utilities
 - Subnet and dynamically-allocated range setup
 - Awareness of DHCPv6 and IPv6 Router Advertisements
 - The following is a partial list of the used files, terms and utilities:
 - dhcpd.conf
 - dhcpd.leases
 - DHCP Log messages in syslog or systemd journal
 - arp
 - dhcpd
 - radvd
 - radvd.conf
- ✓ **210.2 PAM authentication**
 - PAM configuration files, terms and utilities
 - passwd and shadow passwords
 - Use sssd for LDAP authentication
 - The following is a partial list of the used files, terms and utilities:
 - /etc/pam.d/
 - pam.conf
 - nsswitch.conf
 - pam_unix, pam_cracklib, pam_limits, pam_listfile, pam_sss
 - sssd.conf
- ✓ **210.3 LDAP client usage**
 - LDAP utilities for data management and queries
 - Change user passwords
 - Querying the LDAP directory
 - The following is a partial list of the used files, terms and utilities:
 - ldapsearch
 - ldappasswd
 - ldapadd
 - ldapdelete
- ✓ **210.4 Configuring an OpenLDAP server**
 - OpenLDAP
 - Directory based configuration

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- Distinguished Names
- Chantype Operations
- Schemas and Whitepages
- Directories
- Object IDs, Attributes and Classes
- The following is a partial list of the used files, terms and utilities:
- slapd
- slapd-config
- LDIF
- slapadd
- slapcat
- slapindex
- /var/lib/ldap/
- loglevel

1. 1. Which option within `dhcpd.conf` configures how dynamic DNS updates are done?

1. `ddns-update-style`
2. `ddns-updates`
3. `ddns-server`
4. `ddns-enable`

2. 2. Which of the following subnet definitions for DHCP can be used with private networks with at least 100 addresses?

1. `subnet 192.168.1.0 netmask 255.255.255.128`
2. `subnet 192.168.1.0 size 100`
3. `subnet 192.168.1.0 size 102`
4. `subnet 192.168.1.0/26`

3. 3. When creating a DHCP reservation, which option within a host stanza is used to indicate the MAC address for the host?

1. `mac`
2. `hardware ethernet`
3. `mac address`
4. `hw-address`

4. 4. Within which directory are individual configuration files stored for the Pluggable Authentication Module mechanism?

1. `/etc/pamd`
2. `/etc/pam`
3. `/etc/pam.d`
4. `/etc/pam.conf.d`

5. 5. On which port does the `slapd` LDAP daemon listen for connections?

1. 389
2. 3389
3. 3306
4. 110

6. 6. Which of the following commands is used to add entries to the OpenLDAP database?

1. `ldapd`

2. adduser
 3. addldap
 4. ldapadd
7. 7. On which ports does DHCP traffic communicate?
1. 50 and 51
 2. 143 and 144
 3. 67 and 68
 4. 530 and 531
8. 8. Which of the following commands can be used to help with recovery of a corrupt OpenLDAP database?
1. openldap-recover
 2. oreco
 3. slapd-recover
 4. slapd_db_recover
9. 9. Which of the following configuration lines sets the domain suffix search order to example.com followed by example.org within a DHCP configuration?
1. open domain-search "example.com", "example.org";
 2. option domain-search "example.com, example.org";
 3. option domain-search "example.com", "example.org";
 4. option domain-suffix "example.com", "example.org";
10. 10. Within which directory are databases stored for OpenLDAP?
1. /var/lib/ldap
 2. /var/cache/openldap
 3. /var/share/ldap
 4. /usr/share/openldap
11. 11. Which PAM module prevents logins from accounts other than root when the file /etc/nologin exists?
1. pam_login.so
 2. pam_preventlogin.so
 3. pam_nologin.so
 4. pam_logindf.so
12. 12. When importing entries into the LDAP database using ldapadd -f <filename>, what should the format of the file be?
1. LDAP
 2. TXT
 3. CSV
 4. LDIF
13. 13. Which PAM module is responsible for normal or standard password authentication?
1. pam_auth.so
 2. pam_login.so
 3. pam_unix.so
 4. pam_standardlogin.so
14. 14. Which option within radvd.conf is used to limit the nodes to which advertisements will be sent?
1. cnodes
 2. clients

- 3. nodes
- 4. lnodes

15. 15. Which debug level for `slapd` is used to provide debugging of configuration file processing?

- 1. 1
- 2. 64
- 3. 8
- 4. 0

16. 16. Which option in `dhcpd.conf` specifies the maximum amount of time that a client is allowed to have a DHCP lease?

- 1. max-time
- 2. max-lease-time
- 3. lease-max
- 4. maximum-lease-duration

17. 17. When viewing DHCP-related messages through `syslog` or the `systemd` journal, you see the message `DHCPDISCOVER` followed by a MAC address and an interface. Which of the following best describes the `DHCPDISCOVER` message being logged?

- 1. The server is sending out messages to discover all clients.
- 2. The client is sending a message to begin the process of obtaining an IP address.
- 3. The server is responding to a message from a client.
- 4. The client is responding to an offer from the server.

18. 18. Which of the following lines in `/etc/nsswitch.conf` uses local files followed by LDAP for authentication?

- 1. passwd: files ldap
- 2. passwd [files ldap]
- 3. auth: local ldap
- 4. auth: localfiles ldap

19. 19. Which PAM module provides a mechanism for checking and enforcing the strength of passwords?

- 1. pam_passwdstr.so
- 2. pam_cracklib.so
- 3. pam_libpasswd.so
- 4. pam_strpass.so

20. 20. You need to specify an alternate configuration file for `sssd`. Which option can be used on the `sssd` command line in order to point to a new configuration file?

- 1. -f
- 2. -c
- 3. -a
- 4. -m

21. 21. On which port does DHCP failover communicate?

- 1. 67
- 2. 68
- 3. 647
- 4. 389

22. 22. Which option with `dhcpd.conf` defines the default gateway that will be sent with the DHCP lease?

1. default-gw
2. default-gateway
3. routers
4. default-route

23. 23. Which command creates an LDIF file from the current LDAP database?

1. slapdump
2. ldapdump
3. slapcat
4. catldap

24. 24. Which PAM module is responsible for enforcing limits such as the maximum number of logins and CPU time used?

1. pam_enforce.so
2. pam_limittest.so
3. pam_max.so
4. pam_limits.so

25. 25. Which of the following commands is used to re-create indexes based on existing slapd databases?

1. ldapind
2. ldapindex
3. slapindex
4. indexldap

26. 26. What will be logged with the loglevel set to 0x10 in a slapd.conf configuration file?

1. No debugging
2. Trace debugging
3. Stats logging
4. Packets sent and received

27. 27. When using slapadd for a large import, an error occurs at roughly 90 percent completion. Which option to slapadd enables specification of a line number from which the import will be restarted?

1. -l
2. -f
3. -q
4. -j

28. 28. Which command is recommended for configuration of slapd for OpenLDAP versions 2.3 and later?

1. slapd-conf
2. config-slapd
3. openldap-config
4. slapd-config

29. 29. When working with an LDIF file to make changes to the LDAP database, which changetype is used to create a new database entry?

1. create
2. add
3. addmod
4. insert

30. 30. When working with `ldapsearch`, which of the following option sets creates output in LDIFv1 format without comments or versioning information?

1. `-L`
2. `-LLL`
3. `-cal`
4. `-e`

31. 31. On which port does LDAP over SSL listen for connections?

1. 389
2. 443
3. 636
4. 3128

32. 32. Which of the following PAM modules can be used for authorization and authentication scenarios using external files?

1. `pam_authfiles.so`
2. `pam_listfiles.so`
3. `pam_filesauth.so`
4. `pam_fileauth.so`

33. 33. Which option to `ldapmodify` is used to perform a dry run, where no changes are made to the database?

1. `-n`
2. `-d`
3. `-l`
4. `-e`

34. 34. What is the default filter for `ldapsearch` when no filter is provided?

1. `(*)`
2. `(objectClass=*)`
3. `(class=*)`
4. `(list*)`

35. 35. Which PAM module is used for integration with the SSSD system?

1. `pam_sss.so`
2. `pam_sssd.so`
3. `pam_sssd_config.so`
4. `pam_sss_mod.so`

36. 36. Which option within `sssd.conf` sets the URI for the LDAP server?

1. `ldap_server`
2. `ldap_uri`
3. `ldap_connect`
4. `ldap_use`

37. 37. Which of the following configuration lines causes the DHCP server to refuse address requests from clients that are unknown to the server?

1. `unknown-clients: deny;`
2. `deny unknown-clients;`
3. `clients-deny: unknown`
4. `list-clients-deny`



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