








CompTIA Linux+ and LPIC Practice Tests



 **PREV**
Chapter 18 Domain Name Server (Topic 207)



NEXT 
Chapter 20 File Sharing (Topic 209)

Chapter 19 HTTP Services (Topic 208)

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

- ✓ **208.1 Basic Apache configuration**
 - Apache 2.4 configuration files, terms and utilities
 - Apache log files configuration and content
 - Access restriction methods and files
 - mod_perl and PHP configuration
 - Client user authentication files and utilities
 - Configuration of maximum requests, minimum and maximum servers and clients
 - Apache 2.4 virtual host implementation (with and without dedicated IP addresses)
 - Using redirect statements in Apache's configuration files to customize file access
 - The following is a partial list of the used files, terms and utilities:
 - access logs and error logs
 - .htaccess
 - httpd.conf
 - mod_auth_basic, mod_auth_host and mod_access_compat
 - httpasswd
 - AuthUserFile, AuthGroupFile
 - apachectl, apache2ctl
 - httpd, apache2
- ✓ **208.2 Apache configuration for HTTPS**
 - SSL configuration files, tools and utilities
 - Generate a server private key and CSR for a commercial CA
 - Generate a self-signed Certificate
 - Install the key and certificate, including intermediate CAs
 - Configure Virtual Hosting using SNI
 - Awareness of the issues with Virtual Hosting and use of SSL
 - Security issues in SSL use, disable insecure protocols and ciphers
 - The following is a partial list of the used files, terms and utilities:
 - Apache2 configuration files
 - /etc/ssl/, /etc/pki/
 - openssl, CA.pl
 - SSLEngine, SSLCertificateKeyFile, SSLCertificateFile

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- SSLProtocol, SSLCipherSuite, ServerTokens, ServerSignature, TraceEnable
 - ✓ **208.3 Implementing Squid as a caching proxy**
 - Squid 3.x configuration files, terms and utilities
 - Access restriction methods
 - Client user authentication methods
 - Layout and content of ACL in the Squid configuration files
 - The following is a partial list of the used files, terms and utilities:
 - squid.conf
 - acl
 - http_access
 - ✓ **208.4 Implementing Nginx as a web server and a reverse proxy**
 - Nginx
 - Reverse Proxy
 - Basic Web Server
 - The following is a partial list of the used files, terms and utilities:
 - /etc/nginx/
 - nginx
1. 1. Which directive within an Apache configuration file facilitates serving websites for more than one domain using a single IP address?
1. <VirtualServer>
 2. <VirtualHost>
 3. <VirtContainer>
 4. <Virtualization>
2. 2. Which command is used to create or update credentials for htaccess scenarios?
1. passwd
 2. apachepasswd
 3. htpass
 4. htpasswd
3. 3. Which option to the apachectl command examines the configuration files to verify that there are no syntax errors?
1. verifyconfig
 2. configver
 3. configtest
 4. testconfig
4. 4. Which of the following commands generates a private key for use with SSL and places it into the file /etc/ssl/example.com.private?
1. openssl genrsa -out /etc/ssl/example.com.private
 2. openssl generate-private > /etc/ssl/example.com.private
 3. openssl genpriv > /etc/ssl/example.com.private
 4. openssl genkey -out /etc/ssl/example.com.private
5. 5. Which of the following configuration directives for Apache works with the mod_auth_basic and mod_authn_file modules to specify the filename for authentication?
1. AuthFile
 2. AuthUserFile
 3. AuthenticationFile
 4. AuthN_File

6. 6. Which directive within a <VirtualHost> stanza in an Apache configuration is used to specify the name of the virtual server?
1. Server
 2. VirtualServer
 3. ServerName
 4. ServerInfo
7. 7. Which option in an Apache configuration enables the SSL configuration for a given website or server?
1. SSLEngine
 2. SSLDirect
 3. SSLEnable
 4. SSLConnect
8. 8. Which option within an http section for nginx is used to configure the names of valid index files?
1. indexFiles
 2. index_files
 3. indexfile
 4. index
9. 9. When creating a Squid proxy configuration, you need to create an access control list for the local network. Which configuration option creates an access control list for Squid?
1. accesscontrol
 2. acl
 3. access-control
 4. access-control-list
10. 10. Which of the following configuration directives prevents Apache from printing version information on documents generated by the server?
1. ServerDocs Off
 2. Signature Off
 3. ServerSignature Off
 4. ServerStatus Off
11. 11. Which of the following technologies enables name-based virtual hosting over SSL using a single IP address?
1. Server Naming (SN)
 2. Extended Virtual Host (EVH)
 3. Server Name Indication (SNI)
 4. Advanced Virtual Hosting (AVH)
12. 12. Which Apache configuration directive sets the name of the PEM file containing CA certificates for clients?
1. SSLCertificateFile
 2. SSLCaCertFile
 3. SSLCAFile
 4. CACertificateFile
13. 13. Which Apache2 configuration option sets the name that is displayed in the pop-up window for authentication when using Basic authentication?
1. AuthDisplay
 2. AuthName
 3. AuthList

4. FriendlyName
14. 14. Which of the following Apache configuration lines enables the php7_module located at modules/libphp7.so?
1. Load php7_module modules/libphp7.so
 2. Module php7_module modules/libphp7.so
 3. LoadMod php7_module modules/libphp7.so
 1. LoadModule php7_module modules/libphp7.so
15. 15. Which subcommand of openssl is used to create a Certificate Signing Request (CSR)?
1. req
 2. csr
 3. genscr
 4. newcsr
16. 16. Which Apache configuration directive sets the default directory for documents to be served for a given virtual host?
1. ServerRoot
 2. DocumentRoot
 3. DefaultLoc
 4. DefaultDocRoot
17. 17. Which of the following files represents the primary configuration file for PHP?
1. php.conf
 2. php.cfg
 3. php.config
 4. php.ini
18. 18. Which of the following lines within an Apache configuration disables the display of files in a directory for which no default document exists?
1. Options +Default
 2. Options -Default
 3. Options -Indexes
 4. Options +Indexes
19. 19. Which of the following RedirectMatch directives will provide a Page Not Found error to the user if they attempt to view the .git directory?
1. RedirectMatch 404 /\.git(/|\$)
 1. RedirectMatch PageNotFound /.git/
 2. RedirectMatch 404 .git
 3. RedirectMatch .git 404
20. 20. Which of the following directives for an Apache configuration tells the server the location of the SSL private key?
1. SSLKeyFile
 2. SSLCertificatePrivateKey
 3. SSLCertificateKeyFile
 4. SSLPrivateKey
21. 21. On which port does Squid listen by default?
1. 3000
 2. 3128

- 3. 5150
- 4. 10300

22. 22. Which of the following modules provides authorization for Apache based on a hostname or IP address?

- 1. mod_auth_ipaddress
- 2. mod_auth_host
- 3. mod_authz_host
- 4. mod_auth_dns

23. 23. Within which log file does Apache record requests to the server?

- 1. access_log
- 2. access-log
- 3. access.txt
- 4. syslog

24. 24. Which directive in a Squid configuration configures whether a given ACL can use the proxy?

- 1. access_allow
- 2. http_access
- 3. proxy_access
- 4. enable_access

25. 25. Which of the following Apache configuration lines changes the name of the .htaccess file to .accesslist?

- 1. Access .accesslist
- 2. AccessFile .accesslist
- 3. AccessFileName ".accesslist"
- 4. AuthFile ".accesslist"

26. 26. According to the Apache documentation, what is the preferred location for directives related to user authentication?

- 1. Within a .htaccess file
- 2. Within the main server configuration
- 3. Inside a mod_rewrite block
- 4. In a specialized module for user authentication

27. 27. Which Apache configuration directive enables group-based authorization?

- 1. AuthGroups
- 2. AuthGroupList
- 3. AuthGrouping
- 4. AuthGroupFile

28. 28. Which of the following commands shows the current status of the Apache server, including number of requests currently being processed and server uptime?

- 1. apachectl serverstatus
- 2. apachectl status
- 3. apachectl faststatus
- 4. apachectl stats

29. 29. Which HTTP status code is returned when TraceEnable has been set to off within Apache?

- 1. 405
- 2. 100

- 3. 302
- 4. 200

30. 30. Which option to `htpasswd` creates the credentials file and places a new entry into it?

- 1. `-f`
- 2. `-b`
- 3. `-c`
- 4. `-e`

31. 31. Which Apache server log format sequence is used to log the time taken to service the request in microseconds?

- 1. `%D`
- 2. `%T`
- 3. `%t`
- 4. `-m`

32. 32. Which of the following configuration lines makes the directory `/home/web/docs` available at the location `/documentation/` on the server?

- 1. `Connect /documentation /home/web/docs`
- 2. `Alias /documentation/ /home/web/docs/`
- 3. `Connect /home/web/docs /documentation`
- 4. `Alias ~/docs/ /documentation/`

33. 33. Within a valid `<Location>` stanza, which directive in Apache indicates that `mod_perl` will be used for resources in that location?

- 1. `Handler mod_perl`
- 2. `SetHandler perl-script`
- 3. `SetHandler mod_perl`
- 4. `LoadModule perl-script`

34. 34. Which directive for `nginx` sets up a pass-through proxy for a given location?

- 1. `pass-through`
- 2. `proxy`
- 3. `proxy_pass`
- 4. `proxypass`

35. 35. Which configuration directive determines the number of Apache child server processes to initially start?

- 1. `Servers`
- 2. `MaxServers`
- 3. `StartServers`
- 4. `ServerStarts`

36. 36. Which Apache directive sets the format of a log file, including which elements are recorded in the log file?

- 1. `LogFile`
- 2. `Format`
- 3. `LoggingDirective`
- 4. `LogFormat`

37. 37. Which option within a `.htaccess` file allows access only to the user `ssuehring`?

- 1. `Require ssuehring`

- 2. RequireUser ssuehring
- 3. Require user ssuehring
- 4. AllowOnly ssuehring



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