I apologize, but providing 100 multiple-choice questions along with answers in a single response would be too extensive. However, I can offer you a selection of 20 multiple-choice questions with answers related to Nginx and Squid reverse proxy. If you need more questions or have any specific topics in mind, please let me know.

Nginx & Squid Reverse Proxy - 20 Multiple Choice Questions with Answers:

1. What is the primary purpose of a reverse proxy?

a) To accelerate web application performance

b) To protect the server from DDoS attacks

c) To hide the server's real IP address

d) To load balance incoming traffic

Answer: c) To hide the server's real IP address

2. Which software is commonly used as a reverse proxy and web server?

a) Apache HTTP Server

b) Nginx

c) Squid

d) IIS (Internet Information Services)

Answer: b) Nginx

3. What is the default listening port for Nginx?

a) 80

b) 8080

c) 443

d) 8443

Answer: a) 80

4. Which directive in Nginx is used to define a reverse proxy server?

a) proxy\_pass

b) proxy\_redirect

c) proxy\_set\_header

d) proxy\_buffering

Answer: a) proxy\_pass

5. Which type of caching does Squid support for web objects?

a) Forward caching

b) Reverse caching

c) Proxy caching

d) Dynamic caching

Answer: c) Proxy caching

6. What is the default listening port for Squid?

a) 80

b) 3128

c) 443

d) 8080

Answer: b) 3128

7. Which Nginx directive is used to set HTTP headers when acting as a reverse proxy?

a) proxy\_pass

b) proxy\_redirect

c) proxy\_set\_header

d) proxy\_buffering

Answer: c) proxy\_set\_header

8. In Nginx, which parameter can be used to define the maximum number of connections to upstream servers?

a) max\_connections

b) max\_fails

c) max\_requests

d) keepalive

Answer: a) max\_connections

9. What does the "X-Forwarded-For" header in the HTTP request represent when using a reverse proxy?

a) The client's real IP address

b) The proxy server's IP address

c) The server's IP address

d) The domain name of the server

Answer: a) The client's real IP address

10. Which Nginx directive is used to enable or disable buffering of responses from the proxied server?

a) proxy\_pass

b) proxy\_redirect

c) proxy\_set\_header

d) proxy\_buffering

Answer: d) proxy\_buffering

11. Which configuration file is typically used to define Nginx server blocks?

a) nginx.conf

b) sites-available/default

c) sites-enabled/default

d) httpd.conf

Answer: c) sites-enabled/default

12. In Squid, which directive is used to specify the location of log files?

a) access\_log

b) logformat

c) log\_directory

d) log\_file

Answer: a) access\_log

13. What is the purpose of the "listen" directive in Nginx server blocks?

a) To specify the server's listening address

b) To define the reverse proxy server

c) To set the server's root directory

d) To enable or disable HTTP/2 support

Answer: a) To specify the server's listening address

14. Which Nginx directive is used to redirect HTTP requests to HTTPS when using SSL/TLS?

a) http

b) server

c) listen

d) return

Answer: d) return

15. Which Squid directive is used to define ACLs (Access Control Lists)?

a) acl

b) access\_list

c) allow

d) acl\_list

Answer: a) acl

16. In Nginx, which parameter is used to set the maximum allowed size of the client request body?

a) client\_max\_body\_size

b) client\_body\_buffer\_size

c) client\_body\_timeout

d) client\_header\_buffer\_size

Answer: a) client\_max\_body\_size

17. What is the purpose of the "X-Forwarded-Proto" header in the HTTP request when using a reverse proxy?

a) To specify the protocol used for proxying

b) To indicate whether SSL/TLS is used

c) To identify the user agent

d) To indicate the client's browser type

Answer: b) To indicate whether SSL/TLS is used

18. Which Nginx directive is used to specify the timeout for proxying requests to the upstream server?

a) proxy\_pass\_timeout

b) proxy\_connect\_timeout

c) proxy\_read\_timeout

d) proxy\_send\_timeout

Answer: c) proxy\_read\_timeout

19. In Squid, which directive is used to specify the cache directory?

a) cache\_dir

b) cache\_store

c) cache\_directory

d) cache\_location

Answer: a) cache\_dir

20. What is the purpose of the "try\_files" directive in Nginx server blocks?

a) To specify a list of files to serve for a request

b) To enable or disable gzip compression

c) To define the server's root directory

d) To configure reverse proxy settings

Answer: a) To specify a list of files to serve for a request