

By OnlineInterviewQuestions.com

Nginx Interview Questions

Nginx is a type of open-source software. This type of software is used for web serving, reverse proxying, load balancing, media streaming, etc. The software was written by Igor Sysoev who was a Russian Engineer. Igor Sysoev started to write this software from the year of 2002 and the software was published in the year 2004. Nginx is used for high-performance and scalable websites. Nowadays over ten million active websites use the Nginx software.

Some of the companies that use the Nginx software are Airbnb, Dropbox, Netflix, Tumbler, and Wordpress.com. All these companies are the most reputed and well-known companies in the world. There are numerous types of **Nginx interview questions and answers** that will help you a lot.

Nginx is best known for its performance, stability, rich feature set, simple configuration, and low resource consumption. This software was mainly created to solve the problem of the CK10. Below are some of the **Nginx interview questions and answers** from which you will know better.

Q1. What is Nginx?

Nginx is a type of an open source web server which is especially used for reverse proxy, load balancer, mail proxy and for the HTTP cache. Nowadays NGINX software is most commonly used by various companies. NGINX can run on Linux, Mac OS X, Solaris, AIX, HP-UX, and the BSD variants.

Q2. In what language was the Nginx software being written?

The language in which the Nginx software is written is 'C' Language.

Q3. What are the main tasks of the Nginx web server?

The following are the main tasks of the Nginx web server:

- The main task of the Nginx web server is to deploy dynamic HTTP content on a network using SCGI, Fast CGI handlers for scripts, WSGI application servers or Phusion passenger module.
- Nginx is also used to serve as a load balancer.

Q4. What is the official website of Nginx web server?

The official website of the Nginx web server is Nginx.org

Q5. What are the difference between Nginx and Apache?

The following are the differences between Nginx and Apache:

- Firstly, Nginx is an event-based web server and Apache is a process-based server.
- Nginx is best known for its speed and Apache is best known for its power.
- Nginx is the best when it comes to memory consumption and connection whereas Apache is not best in this category.
- In Nginx, a single thread is handling all of the requests whereas in Apache single thread handles a single request.
- Nginx is best when you want the load balancing. But Apache will refuse the new connection when traffic reaches the limit of the process.
- Apache provides lots of functionality as compared to Nginx.

Q6. What are the types of versions of Nginx web server?

The following are the types of versions of Nginx web server:

- **Mainline** - This version of Nginx contains latest features and bug fixes that are up to date. It is also reliable but it may contain some experimental modules.
- **Stable**- This version of Nginx doesn't have the latest features but has critical bug fixes. A stable version is always recommended for the production servers.

Q7. What is the master processor in Nginx?

A master processor in Nginx performs the privileged operations such as reading configuration and binding to ports.

Q8. What is work processor in Nginx?

A work process in Nginx actually does the whole processing of the requests.

Q9. What are the commands used to control the Nginx web server?

Once the Nginx is started you can use the command to control or to stop it. The main command used in the

Nginx web server is

Nginx -S signal

In the place of the signal, you can put the command that is being used to control the Nginx. The following are the command you can use in place of the signal:

- **Stop** – use this command if you want to fast shutdown
- **Quit** – you have to use this when you want to gracefully shutdown the Nginx.
- **Reload** – use this command when you want to see the configuration file
- **Reopen** – Reopen file is used for reopening of the file once again.

Q10. What is the use of sub_status directives in Nginx?

The sub status directives is mainly used to know all the current status of Nginx. You can know the current active connections, total connections that are being accepted and all the handled current number of read, write and wait connections.

Q11. What is the use sub_filter directives in Nginx?

A **sub_filter directive in Nginx** is a replacement string. It allows you to perform modifications by replacing specific string to another one. The updated version of Nginx allows you to use multiple sub_filter directives simultaneously. There are different sub_filter directives for different purposes like

- To set a string replacement
Syntax: sub_filter string replacement
- To preserve the last-modified header
Syntax: sub_filter_last_modified on | off;
Default: sub_filter_last_modified off;
- To remove the header field with specific content
Syntax: sub_filter_once on | off
Default: sub_filter_once on;
- Indicate the place of each string either for replacing once or repeatedly

Syntax: sub_filter_types mime-type .

Default: sub_filter_types text/html;

It is always suggested not to use a third party sub filter module, it may be powerful but there can be a lot of bugs. Instead you can use the standard sub filter for your needs.

Q12. What is the purpose of the -s with Nginx Server?

The main purpose of the -s parameter is to run the executable files.

Q13. What are the controls used in the Nginx web server?

The following are the main controls used in the Nginx web server:

- Stop
- Quit
- Reopen
- Reload

Q14. What is the CSK10 problem for which the Nginx web server was discovered?

CSK10 problem is being referred to the network socket that failed to handle a large number of clients at the same time.

Q15. How to start Nginx server through other ports?

If you want to start the Nginx server, then you have to go to/ etc/ Nginx / site enabled/ and if there is a default file, then you have to open a file called default.

Q16. How can you add module in the Nginx server?

Firstly, you have to select the Nginx module during the compile. Runtime selection of module is not being supported by the Nginx server.

Q17. What is a directive in Nginx?

A directive in NGINX is used to route the server where to look for a resource by including files and folders while matching a location block against a URL.

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