Hosting of a html website using njinx web server

About:

To provide a comprehensive guide for hosting an HTML web page on an Nginx web server, including step-by-step instructions for setting up the server, configuring the required files, and ensuring seamless access to the hosted web page. This document aims to enable users to deploy a functional and optimized web server environment for serving static HTML content.

SIGNIFICANCE:

Nginx is a highly efficient and widely-used web server known for its speed, scalability, and low resource usage. Understanding how to configure and deploy a web page on Nginx enables users to:
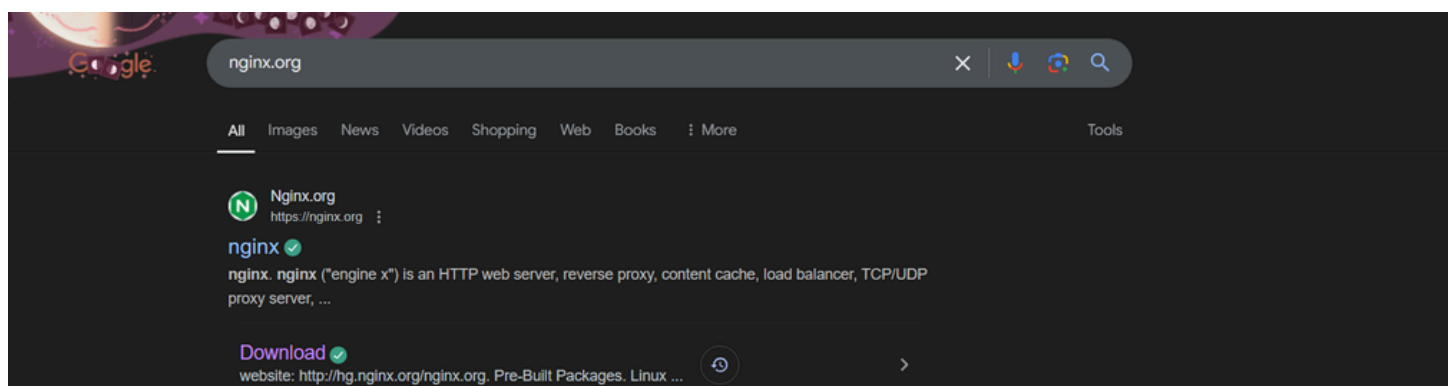
1.**Learn Web Server Configuration:** Gain hands-on experience with server setup and file structure management.

2.**Enhance Reliability:** Utilize Nginx's robustness to handle high traffic and maintain site uptime.
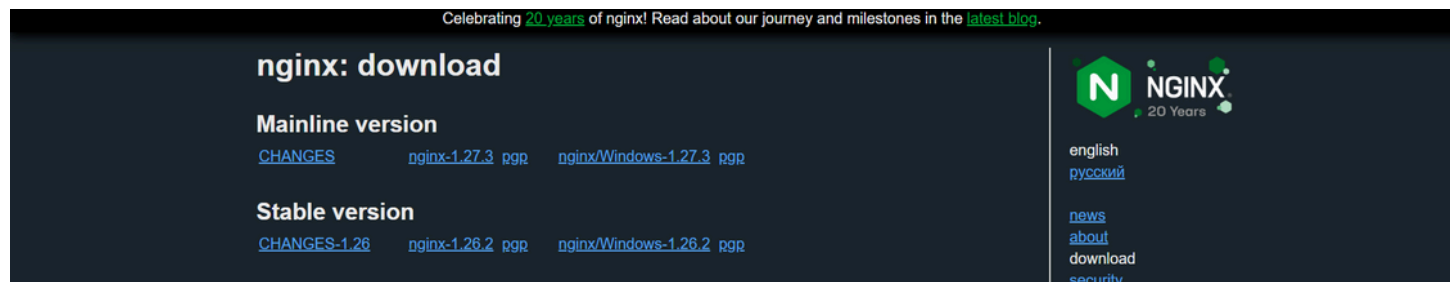
STEPS TO BE FOLLOWED:

STEP 1:

Goto Google and search for nginx.org for downloading the njinx web server

STEP 2:

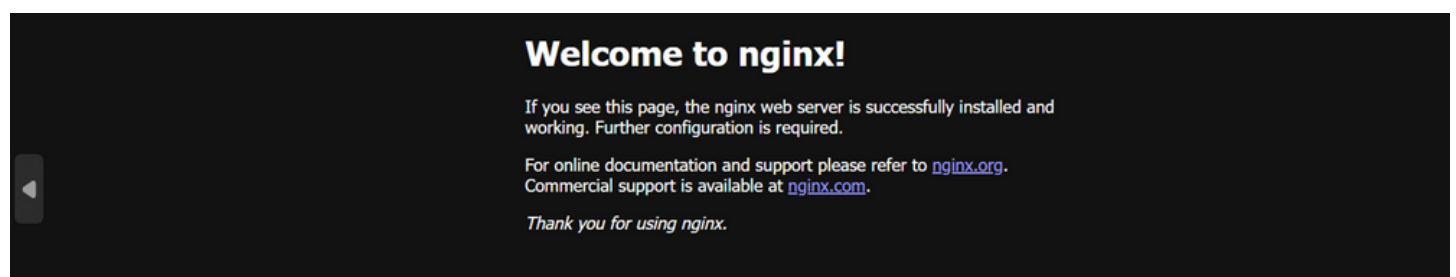**Click** on download and select the latest version of download for your OS

STEP 3:

After downloading, Unzip the folder and extract all the files and store it your system's local disk

STEP 4:

Setup njinx server in your local system using command prompt , type cd.. and initialize the setup. Type cd nginx-1.26.2 i.e the version of server, the next is to type nginx -s reload command for activating the website.

Goto search bar in web and type for localhost, if you see this…..then your njinx is installed successfully

STEP 5:

Go to njinx in your local disk and in the extracted files choose html file.

📁 jaaavaaaaa	05-03-2024 22:28	File folder
📁 New folder	05-03-2024 22:25	File folder
📁 nginx-1.26.2	23-01-2025 19:52	File folder
📁 PerfLogs	17-11-2023 07:13	File folder

Name	Type	Compressed size	Password p...	Size	Ratio	Date modified
📁 conf	File folder					13-08-2024 16:46
📁 contrib	File folder					13-08-2024 16:46
📁 docs	File folder					13-08-2024 16:46
📁 html	File folder					13-08-2024 16:46
📁 logs	File folder					13-08-2024 16:46
📁 temp	File folder					13-08-2024 16:46
🟦 nginx	Application	1,838 KB	No	4,611 KB	61%	13-08-2024 16:46

STEP 6:

open the index file and edit the title and head h1 of the code in your notepad and save the file.

```html
<!DOCTYPE html>
<html>
<head>
<title>Welcome to Day 1 Challenge</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Amirthavarshini here!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
```

STEP 7:

Go to cmd prompt and type njinx-s reload, go to web - in the search bar type local host. You can see your edited html webpage.

OUTCOME:

1. **Successful Hosting of HTML Web Pages:** Users will be able to deploy and access an HTML web page on an Nginx web server, ensuring the website is functional and accessible.
2. **Proficiency in Nginx Configuration:** Users will gain the ability to configure and manage Nginx settings, such as virtual hosts, root directories, and port bindings, for efficient web hosting.
3. **Practical Knowledge of Web Server Management:** Users will develop hands-on skills in setting up and maintaining a web server environment, preparing them for advanced tasks like deploying dynamic websites or integrating with backend services.