

Demo

First Website with NGINX

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Installation and Configuration

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Package Manager



Popular Package Managers

The Advanced Package Tool (APT)

- Used for Debian-based system (like Ubuntu or Debian)
- Works with .deb packages

Popular Package Managers

The Advanced Package Tool (APT)

Update package list:

```
terminal  
sudo apt update
```

Install a package:

```
terminal  
sudo apt install package_name
```

Remove a package:

```
terminal  
sudo apt remove package_name
```

Popular Package Managers

The Advanced Package Tool (APT)

Upgrade all packages:

```
terminal  
sudo apt upgrade
```

Search for packages:

```
terminal  
sudo apt-cache search  
package_name
```

Popular Package Managers

Yellowdog Updater Modified (YUM)

Install a package:

```
terminal  
sudo yum install package_name
```

Remove a package:

```
terminal  
sudo yum remove package_name
```

Update all packages:

```
terminal  
sudo yum update
```

Search for packages:

```
terminal  
sudo yum search package_name
```

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Popular Package Managers

Homebrew

Update package list:

```
terminal  
brew update
```

Install a package:

```
terminal  
brew install package_name
```

Remove a package:

```
terminal  
brew uninstall package_name
```

Search for packages:

```
terminal  
brew search package_name
```

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Installing NGINX

Ubuntu/Debian

```
terminal
sudo apt update
sudo apt install nginx
```

Redhat/Fedora

```
terminal
sudo yum update
sudo yum install nginx
```

OSX

```
terminal
brew update
brew install nginx
```

→ ↻

o@alpine-host ~ → cd /etc/nginx

o@alpine-host /etc/nginx → ll

total 76

drwxr-xr-x	8	root	root	4096	Feb	5	11:58	./
drwxr-xr-x	1	root	root	4096	Feb	5	11:58	../
drwxr-xr-x	2	root	root	4096	Sep	10	09:52	conf.d/
-w-r--r--	1	root	root	1077	Mar	20	2024	fastcgi.conf
-w-r--r--	1	root	root	1007	Mar	20	2024	fastcgi_params
-w-r--r--	1	root	root	2837	Mar	20	2024	koi-utf
-w-r--r--	1	root	root	2223	Mar	20	2024	koi-win
-w-r--r--	1	root	root	3957	Mar	20	2024	mime.types
drwxr-xr-x	2	root	root	4096	Sep	10	09:52	modules-available/
drwxr-xr-x	2	root	root	4096	Feb	5	11:58	modules-enabled/
-w-r--r--	1	root	root	1490	Mar	20	2024	nginx.conf
-w-r--r--	1	root	root	180	Mar	20	2024	proxy_params
-w-r--r--	1	root	root	636	Mar	20	2024	scgi_params
drwxr-xr-x	2	root	root	4096	Feb	5	11:58	sites-available/
drwxr-xr-x	2	root	root	4096	Feb	5	11:58	sites-enabled/
drwxr-xr-x	2	root	root	4096	Feb	5	11:58	snippets/
-w-r--r--	1	root	root	664	Mar	20	2024	uwsgi_params
-w-r--r--	1	root	root	3071	Mar	20	2024	win-utf

o@alpine-host /etc/nginx → █

→ ↻ 🔍 ☆ Incognito Finish upd

```
root@alpine-host /etc/nginx → cd /var/log/nginx/
```

```
root@alpine-host /var/log/nginx → ll
```

```
total 16
```

```
drwxr-xr-x 2 root    adm   4096 Feb  5 11:58 ./
drwxr-xr-x 1 root    root  4096 Feb  5 11:58 ../
-rw-r----- 1 www-data adm   86 Feb  5 12:00 access.log
-rw-r----- 1 www-data adm    0 Feb  5 11:58 error.log
```

```
root@alpine-host /var/log/nginx → █
```

```
#
server {
    listen 80 default_server;

    root /var/www/html;

    # Add index.php to the list if you are using PHP
    index index.html index.htm index.nginx-debian.html;

    server_name _;

    location / {
        # First attempt to serve request as file, then
        # as directory, then fall back to displaying a 404.
        try_files $uri $uri/ =404;
    }
}
```

~~~~~}

```
root@alpine-host:/etc/nginx# ll
total 76
drwxr-xr-x 8 root root 4096 Feb  5 13:57 ./
drwxr-xr-x 1 root root 4096 Feb  5 13:57 ../
drwxr-xr-x 2 root root 4096 Sep 10 09:52 conf.d/
-rw-r--r-- 1 root root 1077 Mar 20 2024 fastcgi.conf
-rw-r--r-- 1 root root 1007 Mar 20 2024 fastcgi_params
-rw-r--r-- 1 root root 2837 Mar 20 2024 koi-utf
-rw-r--r-- 1 root root 2223 Mar 20 2024 koi-win
-rw-r--r-- 1 root root 3957 Mar 20 2024 mime.types
drwxr-xr-x 2 root root 4096 Sep 10 09:52 modules-available/
drwxr-xr-x 2 root root 4096 Feb  5 13:57 modules-enabled/
-rw-r--r-- 1 root root 1490 Mar 20 2024 nginx.conf
-rw-r--r-- 1 root root  180 Mar 20 2024 proxy_params
-rw-r--r-- 1 root root  636 Mar 20 2024 scgi_params
drwxr-xr-x 2 root root 4096 Feb  5 14:04 sites-available/
drwxr-xr-x 2 root root 4096 Feb  5 13:57 sites-enabled/
drwxr-xr-x 2 root root 4096 Feb  5 13:57 snippets/
-rw-r--r-- 1 root root  664 Mar 20 2024 uwsgi_params
-rw-r--r-- 1 root root 3071 Mar 20 2024 win-utf
root@alpine-host:/etc/nginx# ll sites-enabled/
total 8
drwxr-xr-x 2 root root 4096 Feb  5 13:57 ./
drwxr-xr-x 8 root root 4096 Feb  5 13:57 ../
lrwxrwxrwx 1 root root   34 Feb  5 13:57 default -> /etc/nginx/sites-available/default
root@alpine-host:/etc/nginx#
```

## Working with Nginx default File

```
$ cd /var/www/html
```

```
$ ls
```

```
$ sudo nano index.nginx-debian.html
```

```
$ ls
```

# Working with Nginx and Public repository

```
$ cd /var/www/html
```

```
$ ls
```

```
$ sudo git clone <repo-url>
```

```
$ ls
```