

1. Подключить репозиторий с nginx любым удобным способом, установить nginx и потом удалить nginx, используя утилиту dpkg.

Добавление репозитория через редактирование файла /etc/apt/source.list

```
root@eugenia-VirtualBox: ~
GNU nano 4.8 /etc/apt/source.list
deb http://nginx.org/packages/ubuntu focal nginx
```

```
root@eugenia-VirtualBox:~# nano /etc/apt/source.list
root@eugenia-VirtualBox:~# curl -fsSL https://nginx.org/keys/nginx_signing.key
-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v2.0.22 (GNU/Linux)

mQENBE50MmIBCAD+FPYKGriGGf7NqWKfWC83cBV01gabgVWQmZbMcFzew+hMsgxH
W6iimD0RsfZ9oEbFJCPG0CRSZ7ppq5pKamYs2+EJ8Q2ysOFHHwpGrA2C8zyNAs4I
QxnZZIbETgcSwFtDun0XiqPwPZgyuXVm9PAbLZRbfBzm8wR/3SWyqqZBBLdQk5TE
fDR+Eny/M1RVR4xCLECONF9UBB2ejFdI1LD45APbP2hsN/piFByU1t7yK2gpFyRt
97WzGHn9MV5/TL7AmRPM4pcr3JacmtCnxXecZ8nLqedoSuHFuhwyDnlAbu8I1605
```

```
root@eugenia-VirtualBox:~# curl -fsSL https://nginx.org/keys/nginx_signing.key |
sudo apt-key add -
OK
root@eugenia-VirtualBox:~#
```

```
root@eugenia-VirtualBox:~# sudo apt update
Hit:1 http://ru.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://ru.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:4 http://ru.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Fetched 336 kB in 2s (177 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
102 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@eugenia-VirtualBox:~# sudo apt install nginx -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream nginx-common nginx-core
```

```
root@eugenia-VirtualBox: ~
root@eugenia-VirtualBox:~# dpkg -r nginx
(Reading database ... 181291 files and directories currently installed.)
Removing nginx (1.18.0-0ubuntu1.3) ...
root@eugenia-VirtualBox:~#
```

2. Установить пакет на свой выбор, используя snap.

```
root@eugenia-VirtualBox:~# snap search bionic
Name                Version                Publisher              Notes    Summary
ascii-videoplayer    1.1.0+git1.c31f5c5     jaiaid                 -        Low resolution(spatial and color)
video player/image   render for terminal
curl-unofficial      7.58.0+git             josh.samuel            -        curl - unofficial snap
```

```
root@eugenia-VirtualBox:~# snap install ascii-videoplayer
ascii-videoplayer 1.1.0+git1.c31f5c5 from Jaiaid Mobin (jaiaid) installed
root@eugenia-VirtualBox:~#
```

```
root@eugenia-VirtualBox:~# snap list
Name                Version            Rev    Tracking           Publisher          Notes
ascii-videoplayer   1.1.0+git1.c31f5c5 159    latest/stable      jaiaid             -
bare                1.0                5      latest/stable      canonical✓         base
core18              20220309           2344   latest/stable      canonical✓         base
core20              20220318           1405   latest/stable      canonical✓         base
gnome-3-34-1804     0+git.3556cb3      77     latest/stable/...  canonical✓         -
gnome-3-38-2004     0+git.1f9014a      99     latest/stable      canonical✓         -
gtk-common-themes   0.1-59-g7bca6ae    1519   latest/stable/...  canonical✓         -
snap-store          3.38.0-66-gbd5b8f7 558    latest/stable/...  canonical✓         -
snapd               2.54.4             15177  latest/stable      canonical✓         snapd
root@eugenia-VirtualBox:~#
```

3. Настроить iptables: разрешить подключения только на 22-й и 80-й порты.

```
root@eugenia-VirtualBox:~# iptables -A INPUT -p tcp --dport 22 -j ACCEPT
root@eugenia-VirtualBox:~# iptables -A INPUT -p tcp --dport 80 -j ACCEPT
root@eugenia-VirtualBox:~#
```

4. * Настроить проброс портов локально с порта 80 на порт 8080.

```
root@eugenia-VirtualBox:~# iptables -t nat -A PREROUTING -p tcp --dport 80 -j REDIRECT --to-port 8080
root@eugenia-VirtualBox:~#
```