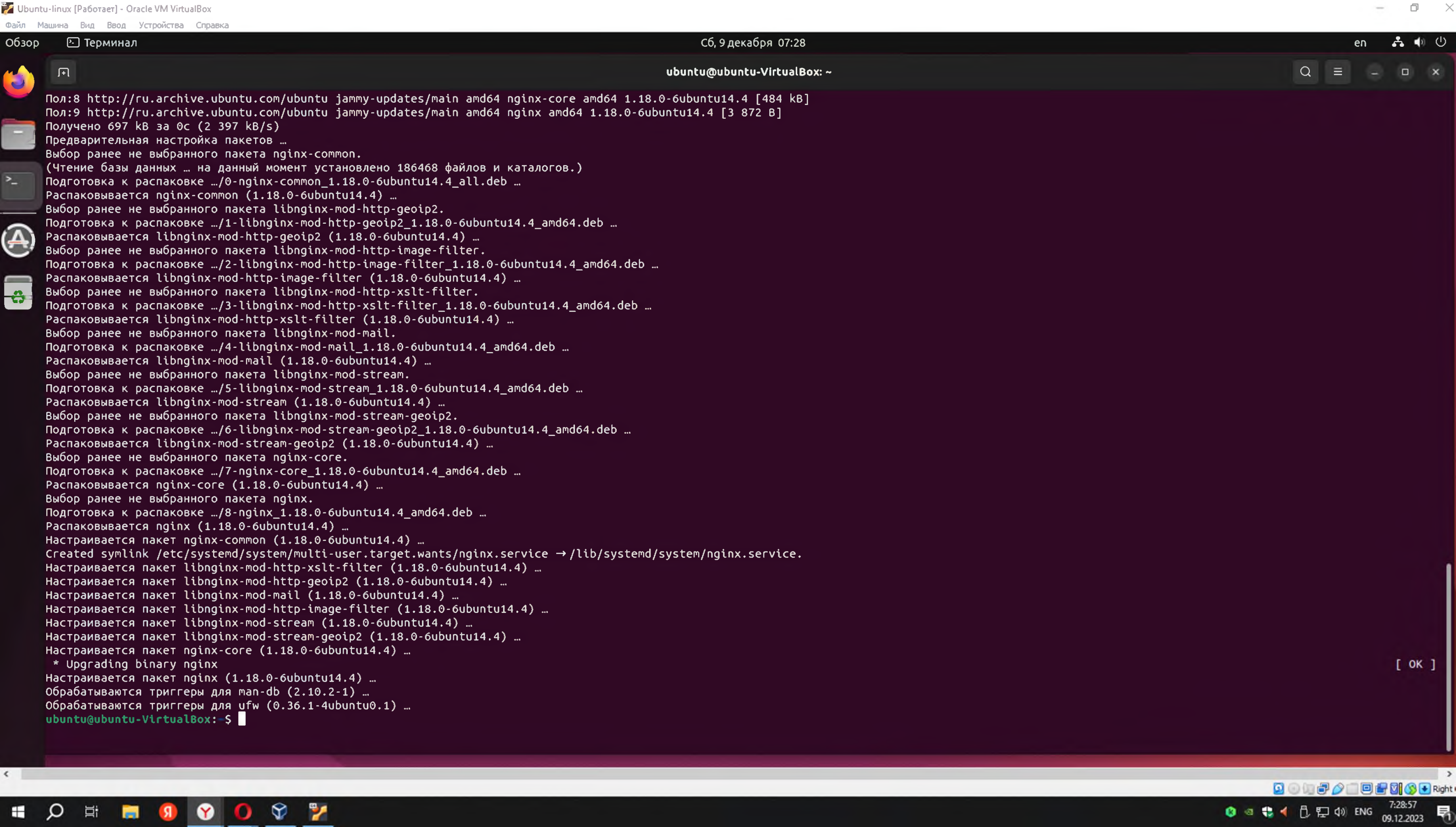


```
ubuntu@ubuntu-VirtualBox: ~
ubuntu@ubuntu-VirtualBox:~$ sudo apt install nginx
Чтение списков пакетов... Готово
Построение дерева зависимостей... Готово
Чтение информации о состоянии... Готово
Будут установлены следующие дополнительные пакеты:
  libnginx-mod-http-geoip2 libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip2 nginx-common nginx-core
Предлагаемые пакеты:
  fcgiwrap nginx-doc
Следующие НОВЫЕ пакеты будут установлены:
  libnginx-mod-http-geoip2 libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip2 nginx nginx-common nginx-core
Обновлено 0 пакетов, установлено 9 новых пакетов, для удаления отмечено 0 пакетов, и 5 пакетов не обновлено.
Необходимо скачать 697 кВ архивов.
После данной операции объём занятого дискового пространства возрастёт на 2 395 кВ.
Хотите продолжить? [Д/н] у
Пол:1 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 nginx-common all 1.18.0-6ubuntu14.4 [40,0 kB]
Пол:2 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libnginx-mod-http-geoip2 amd64 1.18.0-6ubuntu14.4 [11,9 kB]
Пол:3 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libnginx-mod-http-image-filter amd64 1.18.0-6ubuntu14.4 [15,4 kB]
Пол:4 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libnginx-mod-http-xslt-filter amd64 1.18.0-6ubuntu14.4 [13,7 kB]
Пол:5 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libnginx-mod-mail amd64 1.18.0-6ubuntu14.4 [45,7 kB]
Пол:6 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libnginx-mod-stream amd64 1.18.0-6ubuntu14.4 [72,9 kB]
Пол:7 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libnginx-mod-stream-geoip2 amd64 1.18.0-6ubuntu14.4 [10,1 kB]
Пол:8 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 nginx-core amd64 1.18.0-6ubuntu14.4 [484 kB]
Пол:9 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 nginx amd64 1.18.0-6ubuntu14.4 [3 872 B]
Получено 697 кВ за 0с (2 397 кВ/с)
Предварительная настройка пакетов ...
Выбор ранее не выбранного пакета nginx-common.
(Чтение базы данных ... на данный момент установлено 186468 файлов и каталогов.)
Подготовка к распаковке .../0-nginx-common_1.18.0-6ubuntu14.4_all.deb ...
Распаковывается nginx-common (1.18.0-6ubuntu14.4) ...
Выбор ранее не выбранного пакета libnginx-mod-http-geoip2.
Подготовка к распаковке .../1-libnginx-mod-http-geoip2_1.18.0-6ubuntu14.4_amd64.deb ...
Распаковывается libnginx-mod-http-geoip2 (1.18.0-6ubuntu14.4) ...
Выбор ранее не выбранного пакета libnginx-mod-http-image-filter.
Подготовка к распаковке .../2-libnginx-mod-http-image-filter_1.18.0-6ubuntu14.4_amd64.deb ...
Распаковывается libnginx-mod-http-image-filter (1.18.0-6ubuntu14.4) ...
Выбор ранее не выбранного пакета libnginx-mod-http-xslt-filter.
Подготовка к распаковке .../3-libnginx-mod-http-xslt-filter_1.18.0-6ubuntu14.4_amd64.deb ...
Распаковывается libnginx-mod-http-xslt-filter (1.18.0-6ubuntu14.4) ...
Выбор ранее не выбранного пакета libnginx-mod-mail.
Подготовка к распаковке .../4-libnginx-mod-mail_1.18.0-6ubuntu14.4_amd64.deb ...
Распаковывается libnginx-mod-mail (1.18.0-6ubuntu14.4) ...
Выбор ранее не выбранного пакета libnginx-mod-stream.
Подготовка к распаковке .../5-libnginx-mod-stream_1.18.0-6ubuntu14.4_amd64.deb ...
Распаковывается libnginx-mod-stream (1.18.0-6ubuntu14.4) ...
```





ubuntu@ubuntu-VirtualBox: ~



Welcome to nginx!



If you see this page, the nginx web server is successfully installed and working. Further configuration is required.



For online documentation and support please refer to nginx.org.

Commercial support is available at nginx.com.



Thank you for using nginx.



<< ↑ ↓ Viewing <Welcome to nginx!>



ubuntu@ubuntu-VirtualBox: ~

```
ubuntu@ubuntu-VirtualBox:~$ w3m http://localhost
```

```
ubuntu@ubuntu-VirtualBox:~$ sudo mc
```

Select an editor. To change later, run 'select-editor'.

1. /bin/nano <---- easiest
2. /usr/bin/mcedit
3. /usr/bin/vim.tiny
4. /bin/ed

Choose 1-4 [1]: 2

```
ubuntu@ubuntu-VirtualBox:~$ sudo nginx -t
```

```
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
```

```
nginx: configuration file /etc/nginx/nginx.conf test is successful
```

```
ubuntu@ubuntu-VirtualBox:~$
```



ubuntu@ubuntu-VirtualBox: ~



```
ubuntu@ubuntu-VirtualBox:~$ w3m http://localhost
```

```
ubuntu@ubuntu-VirtualBox:~$ sudo mc
```

```
Select an editor. To change later, run 'select-editor'.
```

1. /bin/nano <---- easiest
2. /usr/bin/mcedit
3. /usr/bin/vim.tiny
4. /bin/ed

```
Choose 1-4 [1]: 2
```

```
ubuntu@ubuntu-VirtualBox:~$ sudo nginx -t
```

```
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
```

```
nginx: configuration file /etc/nginx/nginx.conf test is successful
```

```
ubuntu@ubuntu-VirtualBox:~$ systemctl reload nginx
```

```
ubuntu@ubuntu-VirtualBox:~$
```

```
ubuntu@ubuntu-VirtualBox: ~$ sudo mc
```

```
1. /bin/nano <--- easiest
```

```
2. /usr/bin/mcedit
```

```
3. /usr/bin/vim.tiny
```

4. /bin/ed

Choose 1-4 [1]: 2

```
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
```

```
nginx: configuration file /etc/nginx/nginx.conf test is successful
```

```
ubuntu@ubuntu-VirtualBox:~$ systemctl reload nginx
```

```
ubuntu@ubuntu-VirtualBox: ~$ systemctl status nginx
```

- **nginx.service** - A high performance web server and a reverse proxy server

```
Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
```

Active: **active (running)** since Sat 2023-12-09 07:28:12 MSK; 25min ago

Docs: `man:nginx(8)`

```
Process: 4669 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master process on; (code=exited, status=0/SUCCESS)
```

```
Process: 4670 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
```

```
Process: 5130 ExecReload=/usr/sbin/nginx -q daemon on; master process on; -s reload (code=exited, status=0/SUCCESS)
```

Main PID: 4763 (nginx)

Tasks: 3 (limit: 2838)

Memory: 4.4M

CPU: 33ms

```
CGroup: /system.slice/nginx.service
```

```
4763 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
```

[illegible][illegible]

```
dek 09 07:28:12 ubuntu-VirtualBox systemd[1]: Starting A high performance web server and a reverse proxy server...
```

```
dek 09 07:28:12 ubuntu-VirtualBox systemd[1]: Started A high performance web server and a reverse proxy server.
```

```
dek 09 07:53:06 ubuntu-VirtualBox systemd[1]: Reloading A high performance web server and a reverse proxy server...
```

```
dek 09 07:53:06 ubuntu-VirtualBox systemd[1]: Reloaded A high performance web server and a reverse proxy server.
```

```
ubuntu@ubuntu-VirtualBox: $
```

Select an editor. To change later, run 'select-editor'.

- ```
1. /bin/nano <---- easiest
2. /usr/bin/mcedit
3. /usr/bin/vim.tiny
4. /bin/ed
```

Choose 1-4 [1]: 2

```
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
```

```
ubuntu@ubuntu-VirtualBox: ~$ systemctl reload nginx
```

```
ubuntu@ubuntu-VirtualBox: ~$ systemctl status nginx
```

- **nginx.service** - A high performance web server and a reverse proxy server

```
Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
```

Active: **active (running)** since Sat 2023-12-09 07:28:12 MSK; 25min ago

Docs: `man:nginx(8)`

```
Process: 4669 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master process on; (code=exited, status=0/SUCCESS)
```

```
Process: 4670 ExecStart=/usr/sbin/nginx -q daemon on; master process on; (code=exited, status=0/SUCCESS)
```

```
Process: 5130 ExecReload=/usr/sbin/nginx -q daemon on; master process on; -s reload (code=exited, status=0/SUCCESS)
```

```
Main PID: 4763 (nginx)
```

Tasks: 3 (limit: 2838)

Memory: 4.4M

CPU: 33ms

```
CGroup: /system.slice/nginx.service
```

```
4763 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
```

[illegible][illegible]

```
dek 09 07:28:12 ubuntu-VirtualBox systemd[1]: Starting A high performance web server and a reverse proxy server...
```

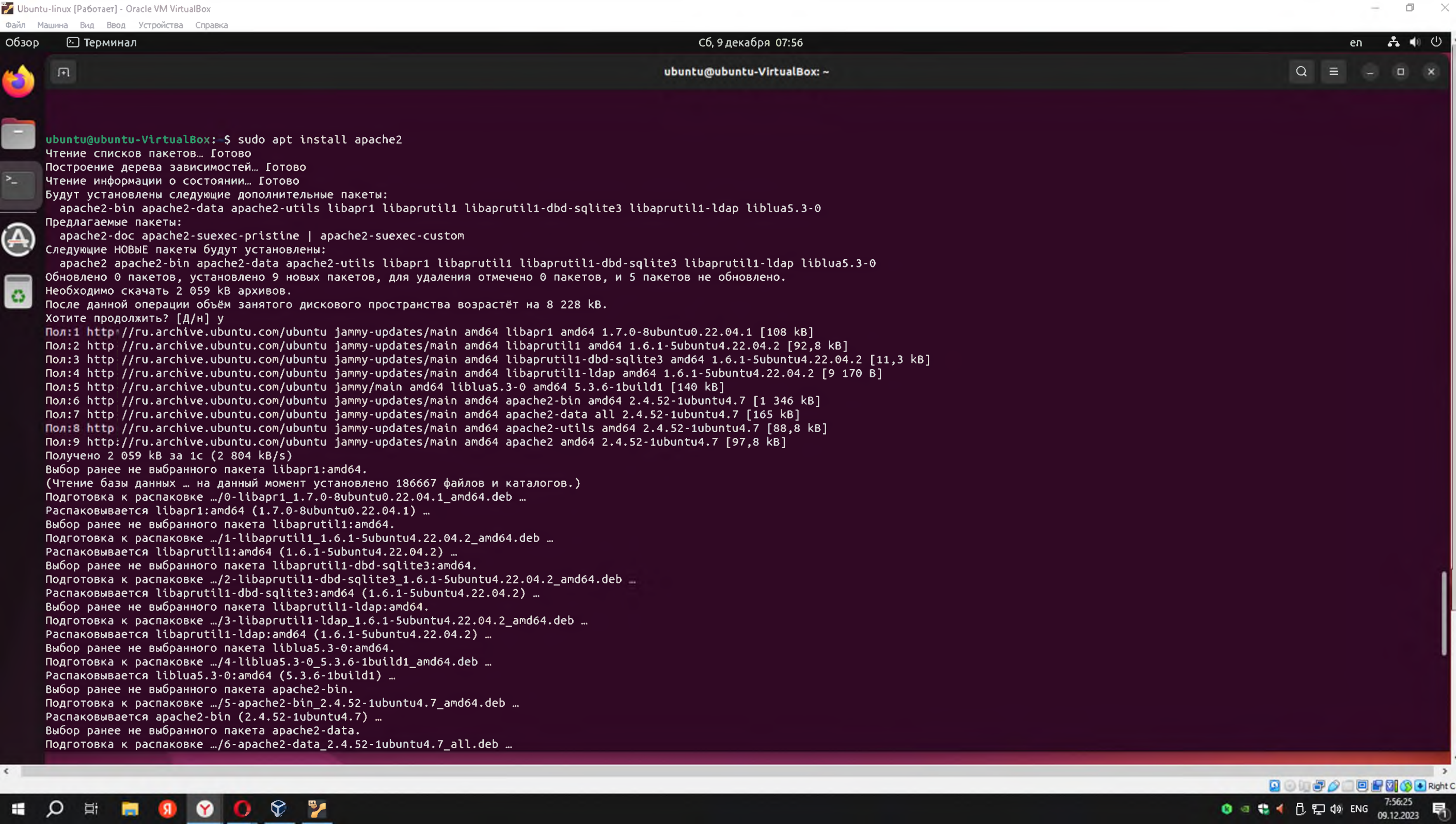
```
dek 09 07:28:12 ubuntu-VirtualBox systemd[1]: Started A high performance web server and a reverse proxy server.
```

```
dek 09 07:53:06 ubuntu-VirtualBox systemd[1]: Reloading A high performance web server and a reverse proxy server...
```

```
dek 09 07:53:06 ubuntu-VirtualBox systemd[1]: Reloaded A high performance web server and a reverse proxy server.
```

```
ubuntu@ubuntu-VirtualBox: $
```







```

Обзор Терминал
Сб, 9 декабря 08:06
en
ubuntu@ubuntu-VirtualBox: ~

ubuntu@ubuntu-VirtualBox:~$ sudo mc

ubuntu@ubuntu-VirtualBox:~$ systemctl start apache2
ubuntu@ubuntu-VirtualBox:~$ systemctl status apache2
● apache2.service - The Apache HTTP Server
 Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
 Active: active (running) since Sat 2023-12-09 08:05:33 MSK; 14s ago
 Docs: https://httpd.apache.org/docs/2.4/
 Process: 5910 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
 Main PID: 5914 (apache2)
 Tasks: 55 (limit: 2838)
 Memory: 4.8M
 CPU: 17ms
 CGroup: /system.slice/apache2.service
 └─5914 /usr/sbin/apache2 -k start
 └─5915 /usr/sbin/apache2 -k start
 └─5916 /usr/sbin/apache2 -k start

дек 09 08:05:33 ubuntu-VirtualBox systemd[1]: Starting The Apache HTTP Server...
дек 09 08:05:33 ubuntu-VirtualBox apachectl[5913]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to su
дек 09 08:05:33 ubuntu-VirtualBox systemd[1]: Started The Apache HTTP Server.
ubuntu@ubuntu-VirtualBox:~$

```



```
ubuntu@ubuntu-VirtualBox:~$ sudo mc

ubuntu@ubuntu-VirtualBox:~$ systemctl start apache2
ubuntu@ubuntu-VirtualBox:~$ systemctl status apache2
● apache2.service - The Apache HTTP Server
 Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
 Active: active (running) since Sat 2023-12-09 08:05:33 MSK; 14s ago
 Docs: https://httpd.apache.org/docs/2.4/
 Process: 5910 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
 Main PID: 5914 (apache2)
 Tasks: 55 (limit: 2838)
 Memory: 4.8M
 CPU: 17ms
 CGroup: /system.slice/apache2.service
 └─5914 /usr/sbin/apache2 -k start
 └─5915 /usr/sbin/apache2 -k start
 └─5916 /usr/sbin/apache2 -k start

дек 09 08:05:33 ubuntu-VirtualBox systemd[1]: Starting The Apache HTTP Server...
дек 09 08:05:33 ubuntu-VirtualBox apachectl[5913]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to su
дек 09 08:05:33 ubuntu-VirtualBox systemd[1]: Started The Apache HTTP Server.
ubuntu@ubuntu-VirtualBox:~$ w3m http://localhost:8080
```



Ubuntu Logo

Apache2 Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented** in `/usr/share/doc/apache2/README.Debian.gz`. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the [manual](#) if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
| |-- ports.conf
|-- mods-enabled
| |-- *.load
| |-- *.conf
|-- conf-enabled
| |-- *.conf
|-- sites-enabled
| |-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain particular configuration snippets which manage modules, global configuration fragments, or virtual host configurations, respectively.
- They are activated by symlinking available configuration files from their respective `*-available/` counterparts. These should be managed by using our helpers `a2enmod`, `a2dismod`, `a2ensite`, `a2dissite`, and `a2enconf`, `a2disconf`. See their respective man pages for detailed information.
- The binary is called `apache2` and is managed using `systemd`, so to start/stop the service use `systemctl start apache2` and `systemctl stop apache2`, and use `systemctl status apache2` and `journalctl -u apache2` to check status. `system` and `apache2ctl` can also be used for service management if desired. **Calling `/usr/bin/apache2` directly will not work** with the default configuration.

Document Roots

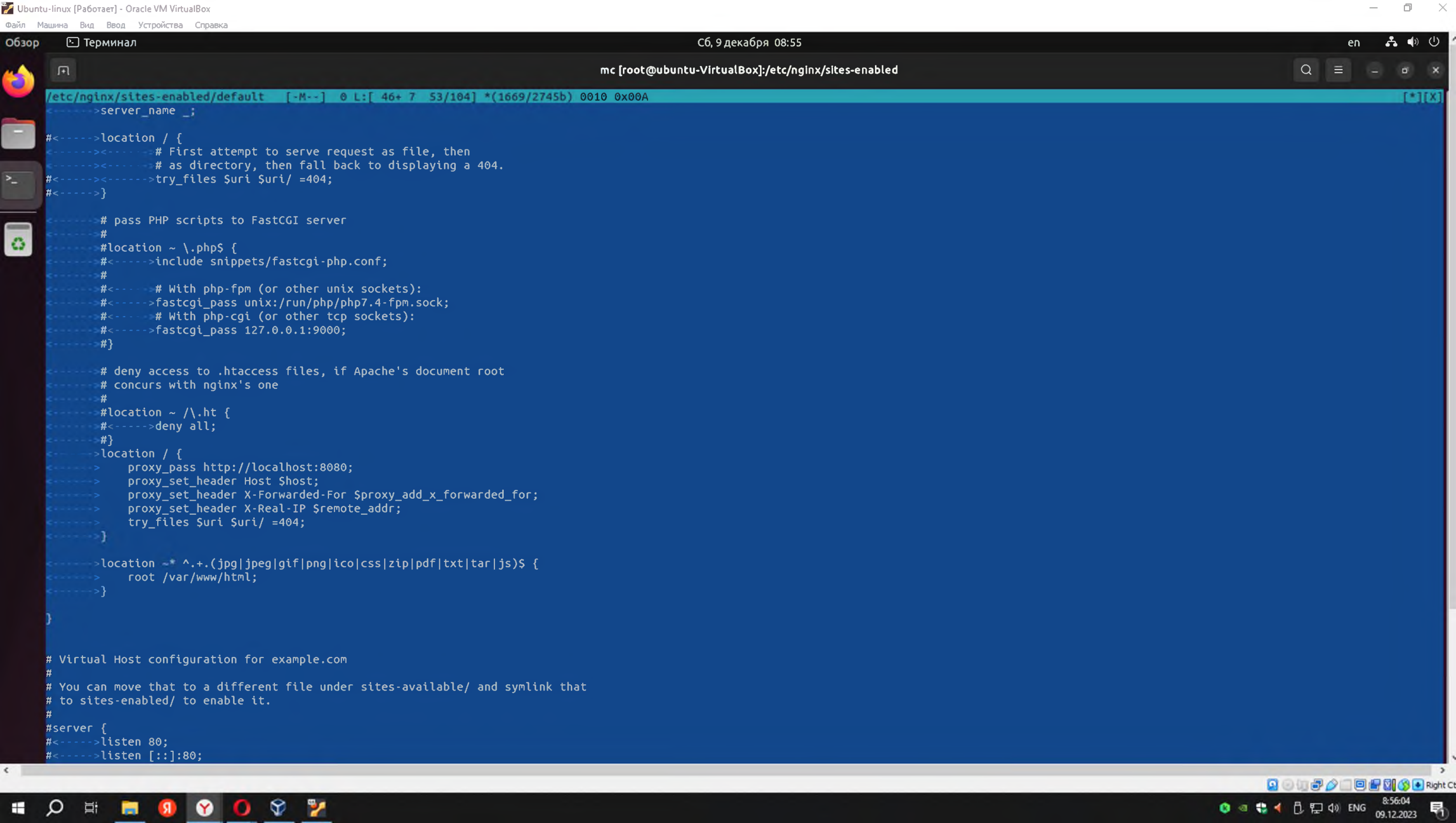
By default, Ubuntu does not allow access through the web browser to any file outside of those located in `/var/www`, `public_html` directories (when enabled) and `/usr/share` (for web applications). If your site is using a web document root located elsewhere (such as in `/srv`) you may need to whitelist your document root directory in `/etc/apache2/apache2.conf`.

The default Ubuntu document root is `/var/www/html`. You can make your own virtual hosts under `/var/www`.

<< ↑ ↓ Viewing <Apache2 Ubuntu Default Page: It works>

```
ubuntu@ubuntu-VirtualBox:~$
```







ubuntu@ubuntu-VirtualBox: ~

Search Menu Window Close

ubuntu@ubuntu-VirtualBox:~\$ sudo nginx -t

nginx: the configuration file /etc/nginx/nginx.conf syntax is ok

nginx: configuration file /etc/nginx/nginx.conf test is successful

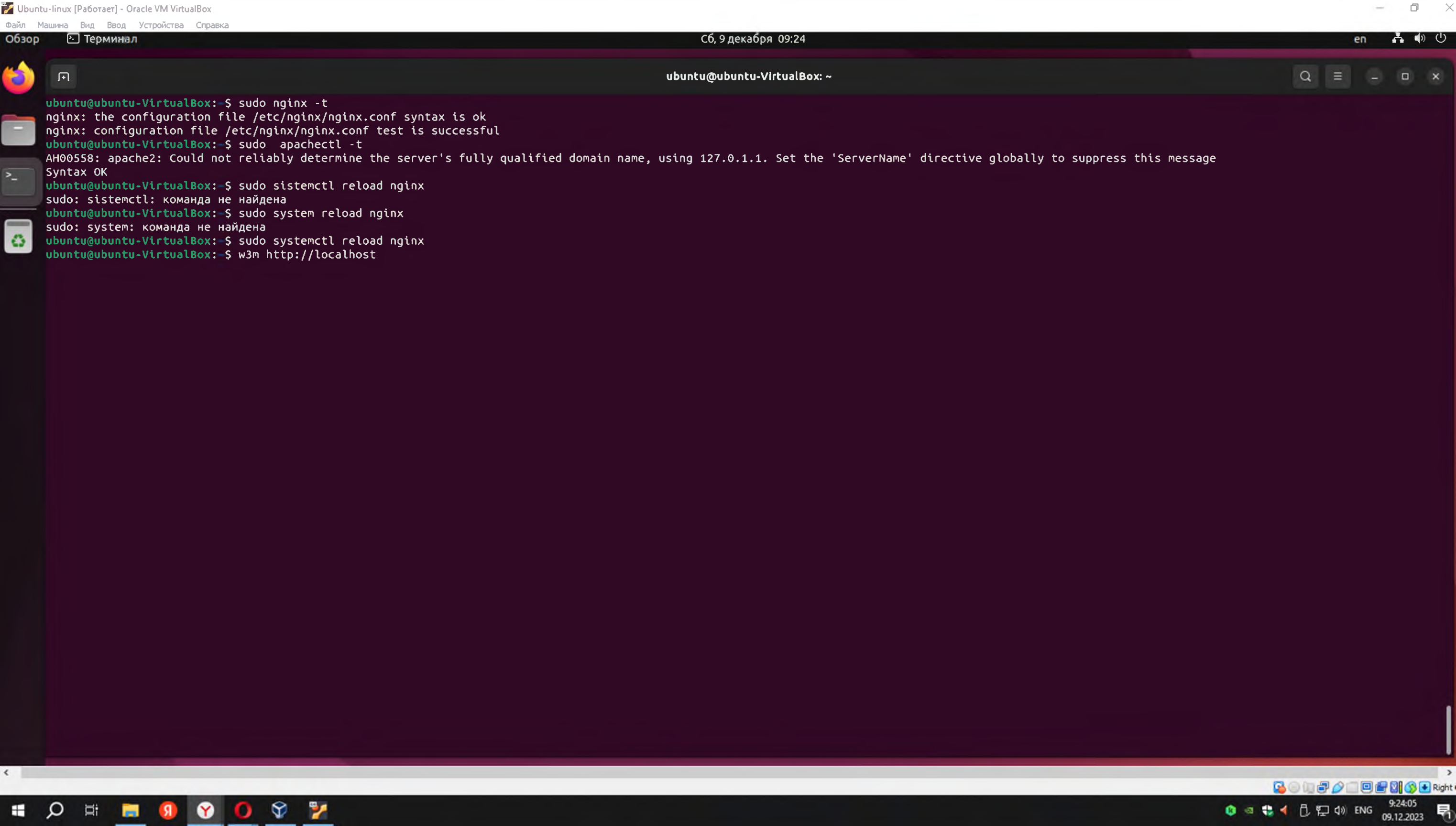
ubuntu@ubuntu-VirtualBox:~\$ sudo apachectl -t

AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress this message

Syntax OK

ubuntu@ubuntu-VirtualBox:~\$







ubuntu@ubuntu-VirtualBox: ~

Q ≡ - □ ×

Ubuntu Logo

Apache2 Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

### Configuration Overview

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The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
| |-- ports.conf
|-- mods-enabled
| |-- *.load
| |-- *.conf
|-- conf-enabled
| |-- *.conf
|-- sites-enabled
| |-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain particular configuration snippets which manage modules, global configuration fragments, or virtual host configurations, respectively.
- They are activated by symlinking available configuration files from their respective `*-available/` counterparts. These should be managed by using our helpers `a2enmod`, `a2dismod`, `a2ensite`, `a2dissite`, and `a2enconf`, `a2disconf`. See their respective man pages for detailed information.
- The binary is called `apache2` and is managed using `systemd`, so to start/stop the service use `systemctl start apache2` and `systemctl stop apache2`, and use `systemctl status apache2` and `journalctl -u apache2` to check status. `system` and `apache2ctl` can also be used for service management if desired. **Calling `/usr/bin/apache2` directly will not work** with the default configuration.

### Document Roots

By default, Ubuntu does not allow access through the web browser to any file outside of those located in `/var/www`, `public_html` directories (when enabled) and `/usr/share` (for web applications). If your site is using a web document root located elsewhere (such as in `/srv`) you may need to whitelist your document root directory in `/etc/apache2/apache2.conf`.

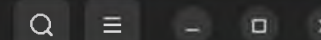
The default Ubuntu document root is `/var/www/html`. You can make your own virtual hosts under `/var/www`.

<<↑ ↓ Viewing <Apache2 Ubuntu Default Page: It works>





ubuntu@ubuntu-VirtualBox: ~



```
ubuntu@ubuntu-VirtualBox:~$ sudo apt install libapache2-mod-php php
```

Чтение списков пакетов... Готово

Построение дерева зависимостей... Готово

Чтение информации о состоянии... Готово

Будут установлены следующие дополнительные пакеты:

libapache2-mod-php8.1 php-common php8.1 php8.1-cli php8.1-common php8.1-opcache php8.1-readline

Предлагаемые пакеты:

php-pear

Следующие НОВЫЕ пакеты будут установлены:

libapache2-mod-php libapache2-mod-php8.1 php php-common php8.1 php8.1-cli php8.1-common php8.1-opcache php8.1-readline

Обновлено 0 пакетов, установлено 9 новых пакетов, для удаления отмечено 0 пакетов, и 5 пакетов не обновлено.

Необходимо скачать 5 133 кВ архивов.

После данной операции объём занятого дискового пространства возрастёт на 21,3 МВ.

Хотите продолжить? [Д/н] у

Пол:1 <http://ru.archive.ubuntu.com/ubuntu> jammy/main amd64 php-common all 2:92ubuntu1 [12,4 kB]

Пол:2 <http://ru.archive.ubuntu.com/ubuntu> jammy-updates/main amd64 php8.1-common amd64 8.1.2-1ubuntu2.14 [1 127 kB]

Пол:3 <http://ru.archive.ubuntu.com/ubuntu> jammy-updates/main amd64 php8.1-opcache amd64 8.1.2-1ubuntu2.14 [365 kB]

Пол:4 <http://ru.archive.ubuntu.com/ubuntu> jammy-updates/main amd64 php8.1-readline amd64 8.1.2-1ubuntu2.14 [13,6 kB]

Пол:5 <http://ru.archive.ubuntu.com/ubuntu> jammy-updates/main amd64 php8.1-cli amd64 8.1.2-1ubuntu2.14 [1 834 kB]

Пол:6 <http://ru.archive.ubuntu.com/ubuntu> jammy-updates/main amd64 libapache2-mod-php8.1 amd64 8.1.2-1ubuntu2.14 [1 766 kB]

Пол:7 <http://ru.archive.ubuntu.com/ubuntu> jammy/main amd64 libapache2-mod-php all 2:8.1+92ubuntu1 [2 898 B]

Пол:8 <http://ru.archive.ubuntu.com/ubuntu> jammy-updates/main amd64 php8.1 all 8.1.2-1ubuntu2.14 [9 158 B]

Пол:9 <http://ru.archive.ubuntu.com/ubuntu> jammy/main amd64 php all 2:8.1+92ubuntu1 [2 756 B]

Получено 5 133 кВ за 1с (7 016 кВ/с)

Выбор ранее не выбранного пакета php-common.

(Чтение базы данных ... на данный момент установлено 187373 файла и каталога.)

Подготовка к распаковке .../0-php-common\_2%3a92ubuntu1\_all.deb ...

Распаковывается php-common (2:92ubuntu1) ...

Выбор ранее не выбранного пакета php8.1-common.

Подготовка к распаковке .../1-php8.1-common\_8.1.2-1ubuntu2.14\_amd64.deb ...

Распаковывается php8.1-common (8.1.2-1ubuntu2.14) ...

Выбор ранее не выбранного пакета php8.1-opcache.

Подготовка к распаковке .../2-php8.1-opcache\_8.1.2-1ubuntu2.14\_amd64.deb ...

Распаковывается php8.1-opcache (8.1.2-1ubuntu2.14) ...

Выбор ранее не выбранного пакета php8.1-readline.

Подготовка к распаковке .../3-php8.1-readline\_8.1.2-1ubuntu2.14\_amd64.deb ...

Распаковывается php8.1-readline (8.1.2-1ubuntu2.14) ...

Выбор ранее не выбранного пакета php8.1-cli.

Подготовка к распаковке .../4-php8.1-cli\_8.1.2-1ubuntu2.14\_amd64.deb ...

Распаковывается php8.1-cli (8.1.2-1ubuntu2.14) ...

Выбор ранее не выбранного пакета libapache2-mod-php8.1.

Подготовка к распаковке .../5-libapache2-mod-php8.1\_8.1.2-1ubuntu2.14\_amd64.deb ...

Распаковывается libapache2-mod-php8.1 (8.1.2-1ubuntu2.14) ...

Выбор ранее не выбранного пакета libapache2-mod-php.

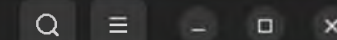
Подготовка к распаковке .../6-libapache2-mod-php\_2%3a8.1+92ubuntu1\_all.deb ...

Распаковывается libapache2-mod-php (2:8.1+92ubuntu1) ...

Выбор ранее не выбранного пакета php8.1.



ubuntu@ubuntu-VirtualBox: ~



```
ubuntu@ubuntu-VirtualBox:~$ sudo apt install php-fpm
```

Чтение списков пакетов... Готово

Построение дерева зависимостей... Готово

Чтение информации о состоянии... Готово

Будут установлены следующие дополнительные пакеты:

php8.1-fpm

Предлагаемые пакеты:

php-rear

Следующие НОВЫЕ пакеты будут установлены:

php-fpm php8.1-fpm

Обновлено 0 пакетов, установлено 2 новых пакетов, для удаления отмечено 0 пакетов, и 5 пакетов не обновлено.

Необходимо скачать 1 843 кВ архивов.

После данной операции объём занятого дискового пространства возрастёт на 5 634 кВ.

Хотите продолжить? [Д/н] у

Пол:1 <http://ru.archive.ubuntu.com/ubuntu/jammy-updates/universe/amd64/php8.1-fpm> amd64 8.1.2-1ubuntu2.14 [1 840 кВ]

Пол:2 <http://ru.archive.ubuntu.com/ubuntu/jammy/universe/amd64/php-fpm> all 2:8.1+92ubuntu1 [2 838 В]

Получено 1 843 кВ за 0с (4 209 кВ/с)

Выбор ранее не выбранного пакета php8.1-fpm.

(Чтение базы данных ... на данный момент установлено 187506 файлов и каталогов.)

Подготовка к распаковке .../php8.1-fpm\_8.1.2-1ubuntu2.14\_amd64.deb ...

Распаковывается php8.1-fpm (8.1.2-1ubuntu2.14) ...

Выбор ранее не выбранного пакета php-fpm.

Подготовка к распаковке .../php-fpm\_2%3a8.1+92ubuntu1\_all.deb ...

Распаковывается php-fpm (2:8.1+92ubuntu1) ...

Настраивается пакет php8.1-fpm (8.1.2-1ubuntu2.14) ...

Creating config file /etc/php/8.1/fpm/php.ini with new version

NOTICE: Not enabling PHP 8.1 FPM by default.

NOTICE: To enable PHP 8.1 FPM in Apache2 do:

NOTICE: a2enmod proxy\_fcgi setenvif

NOTICE: a2enconf php8.1-fpm

NOTICE: You are seeing this message because you have apache2 package installed.

Created symlink /etc/systemd/system/multi-user.target.wants/php8.1-fpm.service → /lib/systemd/system/php8.1-fpm.service.

Настраивается пакет php-fpm (2:8.1+92ubuntu1) ...

Обрабатываются триггеры для man-db (2.10.2-1) ...

Обрабатываются триггеры для php8.1-fpm (8.1.2-1ubuntu2.14) ...

NOTICE: Not enabling PHP 8.1 FPM by default.

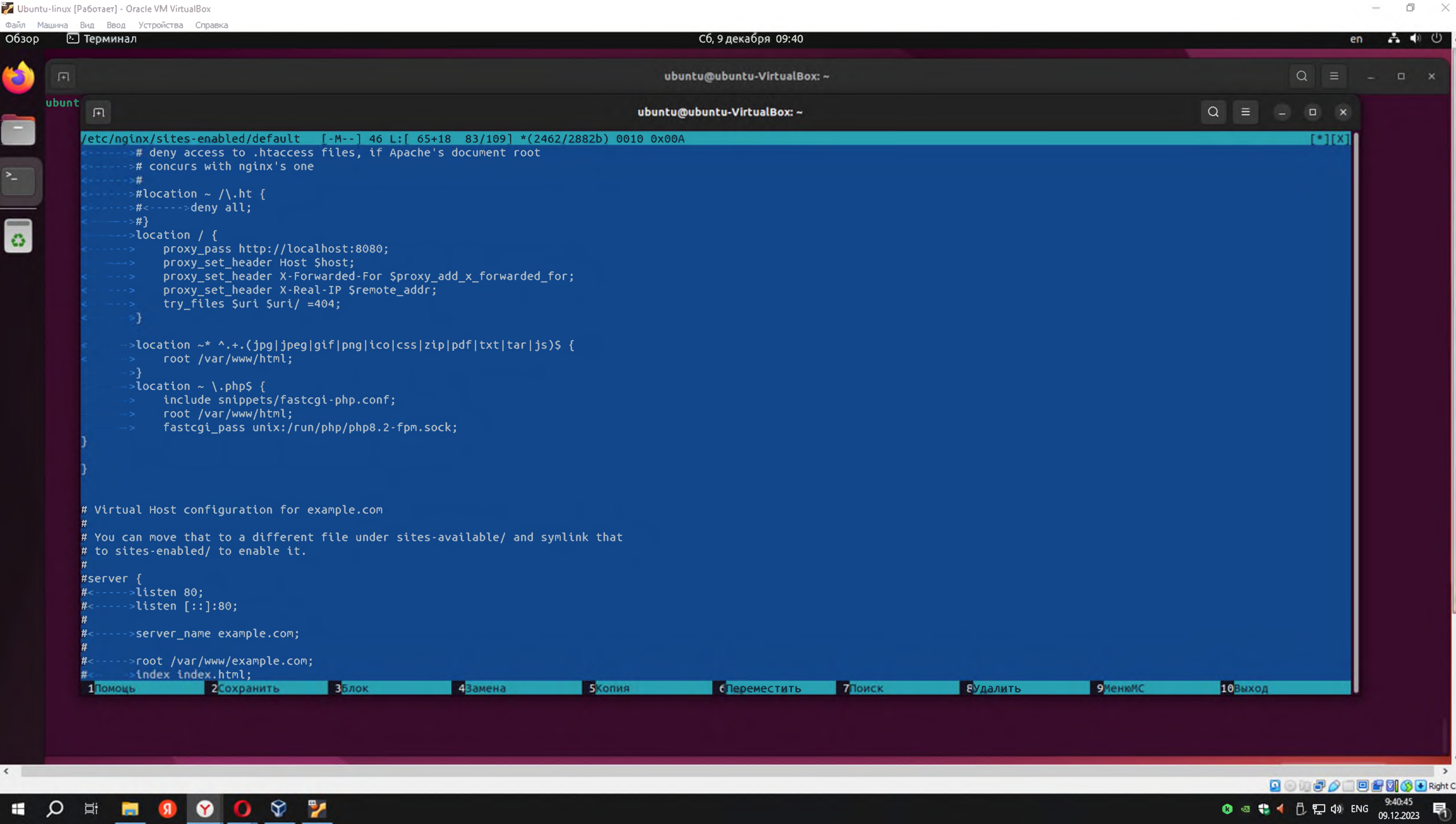
NOTICE: To enable PHP 8.1 FPM in Apache2 do:

NOTICE: a2enmod proxy\_fcgi setenvif

NOTICE: a2enconf php8.1-fpm

NOTICE: You are seeing this message because you have apache2 package installed.

ubuntu@ubuntu-VirtualBox:~\$



```
ubuntu@ubuntu-VirtualBox: ~
/etc/nginx/sites-enabled/default [-M--] 46 L:[65+18 83/109] *(2462/2882b) 0010 0x00A
deny access to .htaccess files, if Apache's document root
concurs with nginx's one

#location ~ /\.ht {
#<----->deny all;
#}
location / {
 proxy_pass http://localhost:8080;
 proxy_set_header Host $host;
 proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
 proxy_set_header X-Real-IP $remote_addr;
 try_files $uri $uri/ =404;
}
location ~* ^\.+.(jpg|jpeg|gif|png|ico|css|zip|pdf|txt|tar|js)$ {
 root /var/www/html;
}
location ~ /\.php$ {
 include snippets/fastcgi-php.conf;
 root /var/www/html;
 fastcgi_pass unix:/run/php/php8.2-fpm.sock;
}
}

Virtual Host configuration for example.com

You can move that to a different file under sites-available/ and symlink that
to sites-enabled/ to enable it.

#server {
#<----->listen 80;
#<----->listen [::]:80;

#<----->server_name example.com;

#<----->root /var/www/example.com;
#<----->index index.html;
#<----->
```





ubunt

ubuntu@ubuntu-VirtualBox: ~

ubuntu@ubuntu-VirtualBox: ~

/etc/nginx/sites-enabled/default [-M--] 70 L:[ 29+15 44/109] \*(1509/2893b) 0010 0x00A

```
<----->#
<-----># Note: You should disable gzip for SSL traffic.
<-----># See: https://bugs.debian.org/773332
<----->#
<-----># Read up on ssl_ciphers to ensure a secure configuration.
<-----># See: https://bugs.debian.org/765782
<----->#
<-----># Self signed certs generated by the ssl-cert package
<-----># Don't use them in a production server!
<----->#
<-----># include snippets/snakeoil.conf;

<----->root /var/www/html;

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

<----->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;
#<----->}

#<-----># pass PHP scripts to FastCGI server
#<----->#
#<----->#location ~ \.php$ {
#<----->#<----->include snippets/fastcgi-php.conf;
#<----->#
#<-----># With php-fpm (or other unix sockets):
#<----->#<----->fastcgi_pass unix:/run/php/php7.4-fpm.sock;
#<-----># With php-cgi (or other tcp sockets):
#<----->#<----->fastcgi_pass 127.0.0.1:9000;
#<----->}

#<-----># deny access to .htaccess files, if Apache's document root
#<-----># concurs with nginx's one
#<----->#
```

1Помощь 2Сохранить 3Блок 4Замена 5Копия 6Переместить 7Поиск 8Удалить 9МенюМС 10Выход





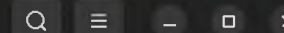
ubuntu@ubuntu-VirtualBox: ~

Q H - □ ×

```
ubuntu@ubuntu-VirtualBox:~$ sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
ubuntu@ubuntu-VirtualBox:~$ sudo systemctl reload nginx
ubuntu@ubuntu-VirtualBox:~$
```



ubuntu@ubuntu-VirtualBox: /var/www/html



GNU nano 6.2

info.php \*

```
<?php
phpinfo();
?>
```

^G Справка    ^O Записать    ^W Поиск    ^K Вырезать    ^T Выполнить    ^C Позиция    M-U Отмена    M-A Установить    M-I На скобку    M-Q Предыдущий    ^B Назад    ^\_ ПредСлово  
 ^X Выход    ^R ЧитФайл    ^\_ Замена    ^U Вставить    ^J Выводить    ^/\_ К строке    M-E Повтор    M-C Копировать    ^Q Обр. поиск    M-W Следующий    ^F Вперёд    ^\_ СледСлово



```
ubuntu
nginx
nginx
ubuntu /var/www/html/info.php
ubuntu <?php
ubuntu phpinfo();
ubuntu ?>
ubuntu
```

```
/var/www/html/info.php
```

```
<?php
```

```
phpinfo();
```

?





ubuntu@ubuntu-VirtualBox: /var/www/html



```
ubuntu@ubuntu-VirtualBox:~$ sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
ubuntu@ubuntu-VirtualBox:~$ sudo systemctl reload nginx
ubuntu@ubuntu-VirtualBox:~$ cd /var/www/html
ubuntu@ubuntu-VirtualBox:/var/www/html$ nano info.php
ubuntu@ubuntu-VirtualBox:/var/www/html$ sudo nano info.php
ubuntu@ubuntu-VirtualBox:/var/www/html$ w3m http://localhost/info.php
```

Ubuntu-linux [Работает] - Oracle VM VirtualBox

ФайлМашинаВидВводУстройстваСправка

ОбзорТерминал

С6,9 декабря 10:09

en

ubuntu@ubuntu-VirtualBox: ~

PHP Logo

PHP Version 8.1.2-1ubuntu2.14

SystemLinux ubuntu-VirtualBox 6.2.0-37-generic #38~22.04.1-Ubuntu SMP PREEMPT\_DYNAMIC Thu Nov 2 18:01:13 UTC 2 x86\_64

Build DateAug 18 2023 11:41:11

Build SystemLinux

Server APIFPM/FastCGI

Virtual

Directorydisabled

Support

Configuration

File (php.ini) /etc/php/8.1/fpm

Path

Loaded

Configuration /etc/php/8.1/fpm/php.ini

File

Scan this dir for additional .ini files /etc/php/8.1/fpm/conf.d

Additional .ini files parsed /etc/php/8.1/fpm/conf.d/10-opcache.ini, /etc/php/8.1/fpm/conf.d/10-pdo.ini, /etc/php/8.1/fpm/conf.d/20-calendar.ini, /etc/php/8.1/fpm/conf.d/20-ctype.ini, /etc/php/8.1/fpm/conf.d/20-exif.ini, /etc/php/8.1/fpm/conf.d/20-ffi.ini, /etc/php/8.1/fpm/conf.d/20-fileinfo.ini, /etc/php/8.1/fpm/conf.d/20-ftp.ini, /etc/php/8.1/fpm/conf.d/20-gettext.ini, /etc/php/8.1/fpm/conf.d/20-iconv.ini, /etc/php/8.1/fpm/conf.d/20-phar.ini, /etc/php/8.1/fpm/conf.d/20-posix.ini, /etc/php/8.1/fpm/conf.d/20-readline.ini, /etc/php/8.1/fpm/conf.d/20-shmop.ini, /etc/php/8.1/fpm/conf.d/20-sockets.ini, /etc/php/8.1/fpm/conf.d/20-sysvmsg.ini, /etc/php/8.1/fpm/conf.d/20-sysvsem.ini, /etc/php/8.1/fpm/conf.d/20-sysvshm.ini, /etc/php/8.1/fpm/conf.d/20-tokenizer.ini

PHP API20210902

PHP Extension20210902

Zend Extension420210902

Zend ExtensionAPI420210902,NTS

Build

PHP ExtensionAPI20210902,NTS

Build

Debug Buildno

Thread Safetydisabled

Zend Signaleabled

Handling

Zend Memoryeabled

Manager

Zend Multibytedisabled

Support

IPv6 Supporteabled

DTrace Supportavailable, disabled

Registered PHP Streamshttps, ftps, compress.zlib, php, file, glob, data, http, ftp, phar

Registered

Stream Sockettcp, udp, unix, udg, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2, tlsv1.3

Transports

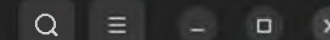
<<↑ ↓ Viewing <PHP 8.1.2-1ubuntu2.14 - phpinfo()>

10:09:1909.12.2023

ENG



ubuntu@ubuntu-VirtualBox: ~



ubuntu@ubuntu-VirtualBox:~\$ sudo apt install mysql-server

Чтение списков пакетов... Готово

Построение дерева зависимостей... Готово

Чтение информации о состоянии... Готово

Будут установлены следующие дополнительные пакеты:

libaio1 libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7 libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl libfcgi0ldbl libhtml-template-perl libmecab2 libprotobuf-lite23 mecab-ipadic  
mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common mysql-server-8.0 mysql-server-core-8.0

Предлагаемые пакеты:

libipc-sharedcache-perl mailx tinysa

Следующие НОВЫЕ пакеты будут установлены:

libaio1 libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7 libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl libfcgi0ldbl libhtml-template-perl libmecab2 libprotobuf-lite23 mecab-ipadic  
mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common mysql-server mysql-server-8.0 mysql-server-core-8.0

Обновлено 0 пакетов, установлено 20 новых пакетов, для удаления отмечено 0 пакетов, и 5 пакетов не обновлено.

Необходимо скачать 29,3 МВ архивов.

После данной операции объём занятого дискового пространства возрастёт на 242 МВ.

Хотите продолжить? [Д/н] у

Пол:1 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 mysql-common all 5.8+1.0.8 [7 212 B]  
Пол:2 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-client-core-8.0 amd64 8.0.35-0ubuntu0.22.04.1 [2 682 kB]  
Пол:3 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-client-8.0 amd64 8.0.35-0ubuntu0.22.04.1 [22,7 kB]  
Пол:4 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libaio1 amd64 0.3.112-13build1 [7 176 B]  
Пол:5 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libevent-core-2.1-7 amd64 2.1.12-stable-1build3 [93,9 kB]  
Пол:6 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libevent-pthreads-2.1-7 amd64 2.1.12-stable-1build3 [7 642 B]  
Пол:7 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libmecab2 amd64 0.996-14build9 [199 kB]  
Пол:8 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libprotobuf-lite23 amd64 3.12.4-1ubuntu7.22.04.1 [209 kB]  
Пол:9 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-server-core-8.0 amd64 8.0.35-0ubuntu0.22.04.1 [17,6 MB]  
Пол:10 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-server-8.0 amd64 8.0.35-0ubuntu0.22.04.1 [1 438 kB]  
Пол:11 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libcgi-pm-perl all 4.54-1 [188 kB]  
Пол:12 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libfcgi0ldbl amd64 2.4.2-2build2 [28,0 kB]  
Пол:13 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libfcgi-perl amd64 0.82+ds-1build1 [22,8 kB]  
Пол:14 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libcgi-fast-perl all 1:2.15-1 [10,5 kB]  
Пол:15 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libfcgi-bin amd64 2.4.2-2build2 [11,2 kB]  
Пол:16 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libhtml-template-perl all 2.97-1.1 [59,1 kB]  
Пол:17 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 mecab-utils amd64 0.996-14build9 [4 850 B]  
Пол:18 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 mecab-ipadic all 2.7.0-20070801+main-3 [6 718 kB]  
Пол:19 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 mecab-ipadic-utf8 all 2.7.0-20070801+main-3 [4 384 B]  
Пол:20 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-server all 8.0.35-0ubuntu0.22.04.1 [9 464 B]

Получено 29,3 МВ за 4с (7 015 kB/s)

Предварительная настройка пакетов ...

Выбор ранее не выбранного пакета mysql-common.

(Чтение базы данных ... на данный момент установлено 187532 файла и каталога.)

Подготовка к распаковке .../0-mysql-common\_5.8+1.0.8\_all.deb ...

Распаковывается mysql-common (5.8+1.0.8) ...

Выбор ранее не выбранного пакета mysql-client-core-8.0.

Подготовка к распаковке .../1-mysql-client-core-8.0\_8.0.35-0ubuntu0.22.04.1\_amd64.deb ...

Распаковывается mysql-client-core-8.0 (8.0.35-0ubuntu0.22.04.1) ...

Выбор ранее не выбранного пакета mysql-client-8.0.

Подготовка к распаковке .../2-mysql-client-8.0\_8.0.35-0ubuntu0.22.04.1\_amd64.deb ...

Распаковывается mysql-client-8.0 (8.0.35-0ubuntu0.22.04.1) ...





ubuntu@ubuntu-VirtualBox: ~

en

```
ubuntu@ubuntu-VirtualBox:~$ sudo mysql
```

```
Welcome to the MySQL monitor. Commands end with ; or \g.
```

```
Your MySQL connection id is 8
```

```
Server version: 8.0.35-0ubuntu0.22.04.1 (Ubuntu)
```

```
Copyright (c) 2000, 2023, Oracle and/or its affiliates.
```

```
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
```

```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

```
mysql> create database my_base;
```

```
Query OK, 1 row affected (0,00 sec)
```

```
mysql> show databases;
```

| Database           |
|--------------------|
| information_schema |
| my_base            |
| mysql              |
| performance_schema |
| sys                |

```
5 rows in set (0,00 sec)
```

```
mysql> use my_base;
```

```
Database changed
```

```
mysql> show tables;
```

```
Empty set (0,00 sec)
```

```
mysql> creat table my_car(num int);
```

```
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'creat table my_car(num int)' at line 1
```

```
mysql> create table my_car(num int);
```

```
Query OK, 0 rows affected (0,02 sec)
```

```
mysql>
```



