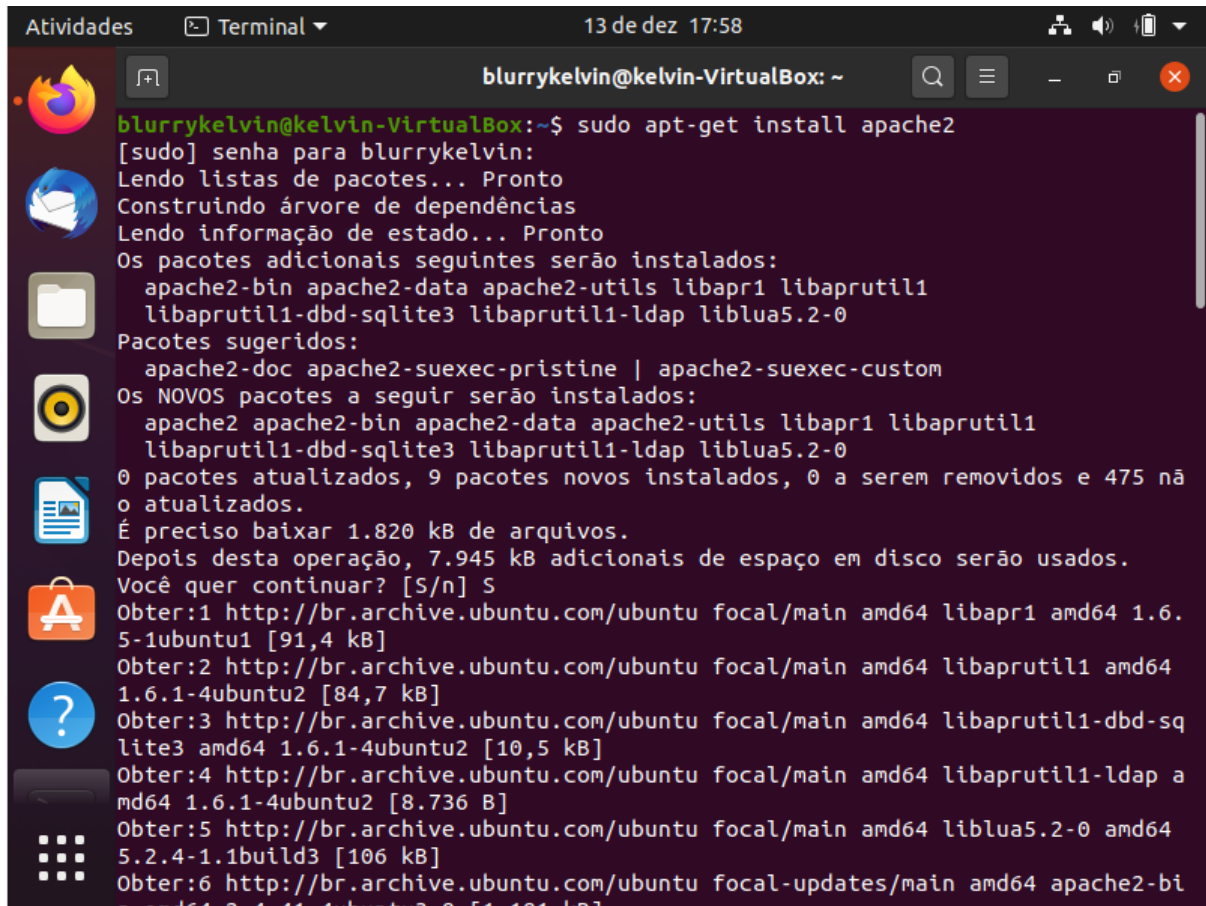


## Atividade 09 - Sistemas Operacionais de Redes 2

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Turma: P8 de Info

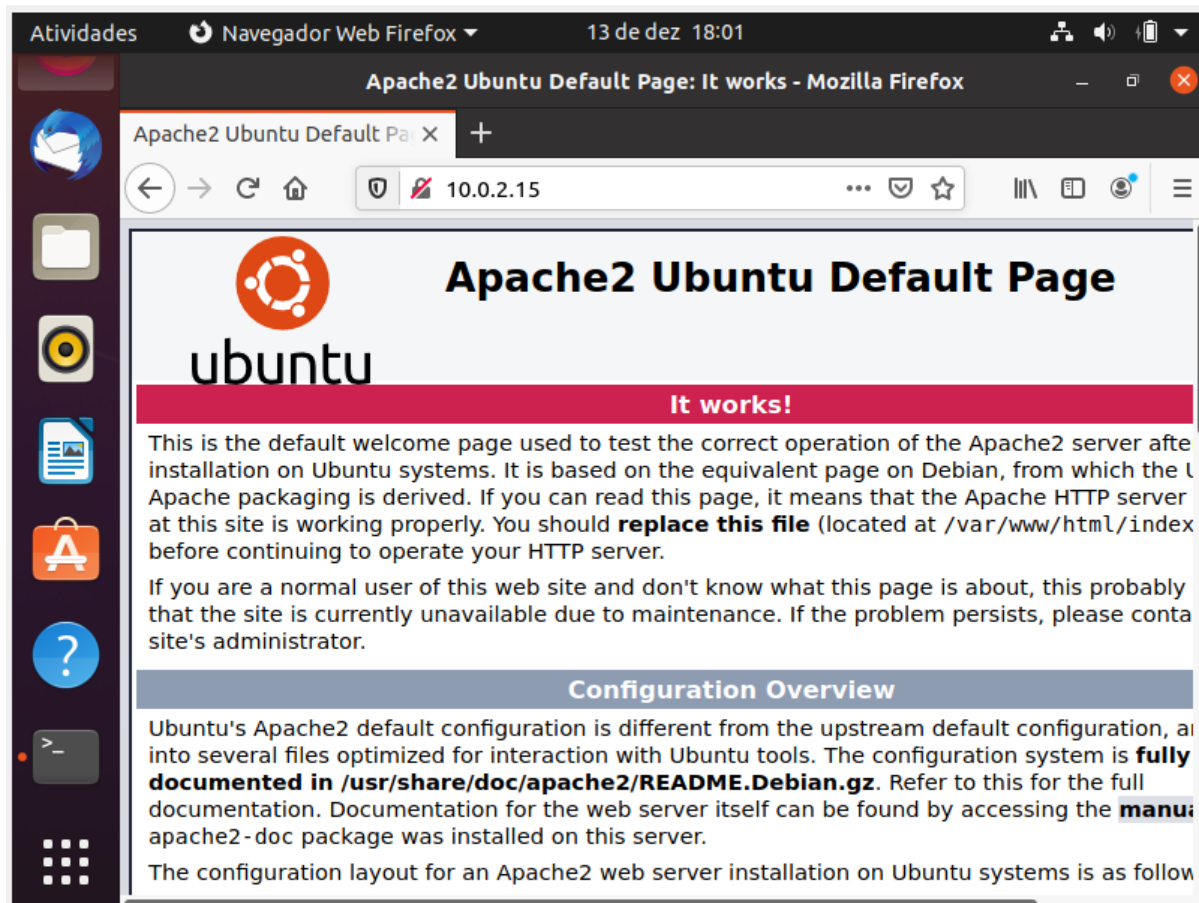
### Instalando e Verificando Apache



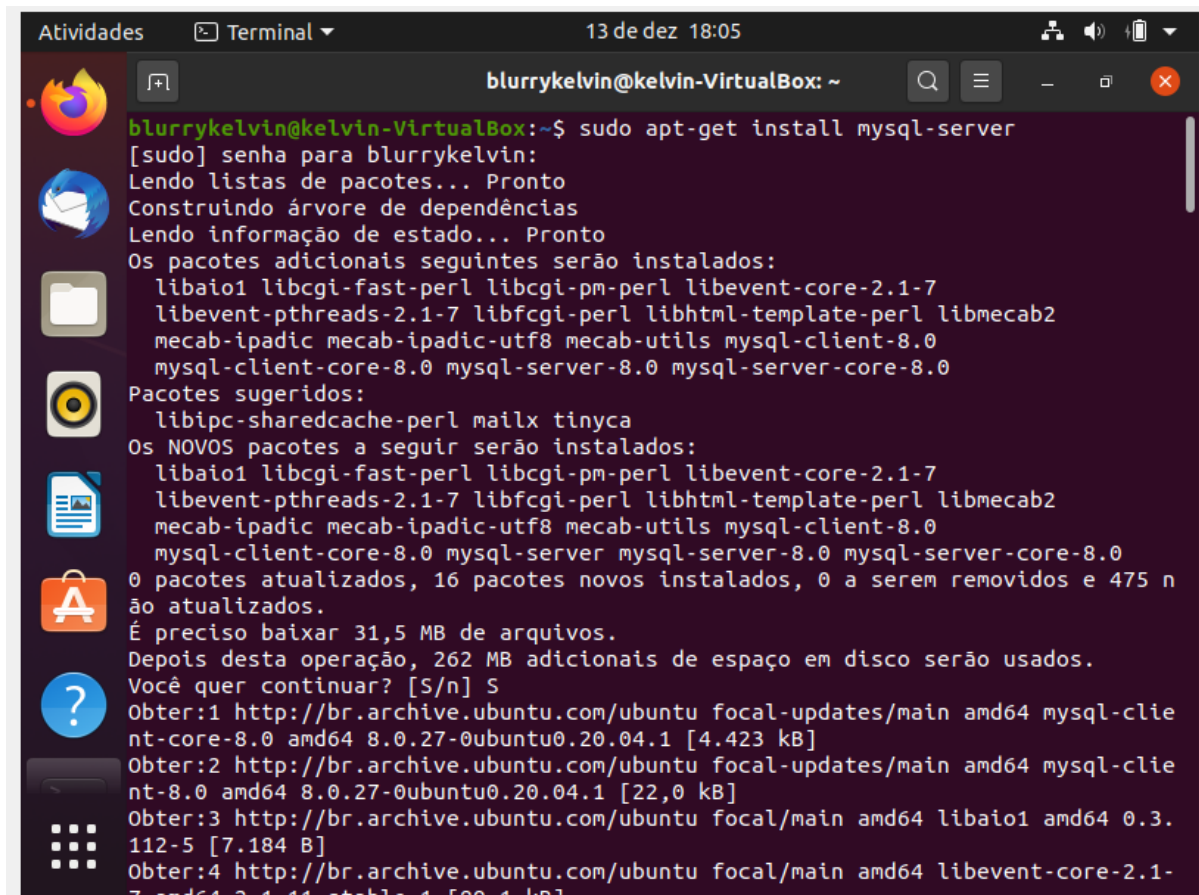
The screenshot shows a terminal window titled "blurrykelvin@kelvin-VirtualBox: ~" with a dark background. The user has entered the command `sudo apt-get install apache2`. The terminal output shows the process of installing Apache2, including downloading package lists, constructing a dependency tree, and listing additional packages to be installed. The output also shows the size of the files to be downloaded and the disk space requirements. The user is prompted to confirm the installation, and they respond with 'S' for yes. The terminal shows the progress of the installation, including the download of the Apache2 package and its dependencies.

```
blurrykelvin@kelvin-VirtualBox:~$ sudo apt-get install apache2
[sudo] senha para blurrykelvin:
Lendo listas de pacotes... Pronto
Construindo árvore de dependências
Lendo informação de estado... Pronto
Os pacotes adicionais seguintes serão instalados:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.2-0
Pacotes sugeridos:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom
Os NOVOS pacotes a seguir serão instalados:
  apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.2-0
0 pacotes atualizados, 9 pacotes novos instalados, 0 a serem removidos e 475 não
atualizados.
É preciso baixar 1.820 kB de arquivos.
Depois desta operação, 7.945 kB adicionais de espaço em disco serão usados.
Você quer continuar? [S/n] S
Obter:1 http://br.archive.ubuntu.com/ubuntu focal/main amd64 libapr1 amd64 1.6.
5-1ubuntu1 [91,4 kB]
Obter:2 http://br.archive.ubuntu.com/ubuntu focal/main amd64 libaprutil1 amd64
1.6.1-4ubuntu2 [84,7 kB]
Obter:3 http://br.archive.ubuntu.com/ubuntu focal/main amd64 libaprutil1-dbd-sq
lite3 amd64 1.6.1-4ubuntu2 [10,5 kB]
Obter:4 http://br.archive.ubuntu.com/ubuntu focal/main amd64 libaprutil1-ldap a
md64 1.6.1-4ubuntu2 [8.736 B]
Obter:5 http://br.archive.ubuntu.com/ubuntu focal/main amd64 liblua5.2-0 amd64
5.2.4-1.1build3 [106 kB]
Obter:6 http://br.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2-bi
n amd64 2.4.18-4ubuntu2.2 [51,404 kB]
```

```
Atividades Terminal 13 de dez 18:01
blurrykelvin@kelvin-VirtualBox: ~
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
A processor 'triggers' para ufw (0.36-6) ...
A processor 'triggers' para systemd (245.4-4ubuntu3.2) ...
A processor 'triggers' para man-db (2.9.1-1) ...
A processor 'triggers' para libc-bin (2.31-0ubuntu9) ...
blurrykelvin@kelvin-VirtualBox:~$ sudo service apache2 start
blurrykelvin@kelvin-VirtualBox:~$ sudo ip addr show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:75:39:cc brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3
        valid_lft 86048sec preferred_lft 86048sec
    inet6 fe80::d23d:fd0d:7b69:1a69/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
blurrykelvin@kelvin-VirtualBox:~$ ^C
blurrykelvin@kelvin-VirtualBox:~$
```



## MySQL



The screenshot shows a terminal window titled "blurrykelvin@kelvin-VirtualBox: ~" with a dark purple background. The user has executed the command `sudo apt-get install mysql-server`. The terminal output shows the process of installing the MySQL server, including the installation of additional packages like `libaio1`, `libcgi-fast-perl`, `libcgi-pm-perl`, `libevent-core-2.1-7`, `libevent-pthreads-2.1-7`, `libfcgi-perl`, `libhtml-template-perl`, `libmecab2`, `mecab-ipadic`, `mecab-ipadic-utf8`, `mecab-utils`, `mysql-client-8.0`, `mysql-client-core-8.0`, `mysql-server-8.0`, and `mysql-server-core-8.0`. The terminal also shows the size of the packages to be installed and the space requirements.

```
blurrykelvin@kelvin-VirtualBox:~$ sudo apt-get install mysql-server
[sudo] senha para blurrykelvin:
Lendo listas de pacotes... Pronto
Construindo árvore de dependências
Lendo informação de estado... Pronto
Os pacotes adicionais seguintes serão instalados:
  libaio1 libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7
  libevent-pthreads-2.1-7 libfcgi-perl libhtml-template-perl libmecab2
  mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client-8.0
  mysql-client-core-8.0 mysql-server-8.0 mysql-server-core-8.0
Pacotes sugeridos:
  libipc-sharedcache-perl mailx tinycal
Os NOVOS pacotes a seguir serão instalados:
  libaio1 libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7
  libevent-pthreads-2.1-7 libfcgi-perl libhtml-template-perl libmecab2
  mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client-8.0
  mysql-client-core-8.0 mysql-server mysql-server-8.0 mysql-server-core-8.0
0 pacotes atualizados, 16 pacotes novos instalados, 0 a serem removidos e 475 n
ão atualizados.
É preciso baixar 31,5 MB de arquivos.
Depois desta operação, 262 MB adicionais de espaço em disco serão usados.
Você quer continuar? [S/n] S
Obter:1 http://br.archive.ubuntu.com/ubuntu focal-updates/main amd64 mysql-clie
nt-core-8.0 amd64 8.0.27-0ubuntu0.20.04.1 [4.423 kB]
Obter:2 http://br.archive.ubuntu.com/ubuntu focal-updates/main amd64 mysql-clie
nt-8.0 amd64 8.0.27-0ubuntu0.20.04.1 [22,0 kB]
Obter:3 http://br.archive.ubuntu.com/ubuntu focal/main amd64 libaio1 amd64 0.3.
112-5 [7.184 B]
Obter:4 http://br.archive.ubuntu.com/ubuntu focal/main amd64 libevent-core-2.1-
7 amd64 2.1.11-stable-4 [500,4 kB]
```

Atividades Terminal 13 de dez 18:37

blurrykelvin@kelvin-VirtualBox: ~

```
blurrykelvin@kelvin-VirtualBox:~$ sudo mysql -u root
[sudo] senha para blurrykelvin:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 8.0.27-0ubuntu0.20.04.1 (Ubuntu)

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owners.

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

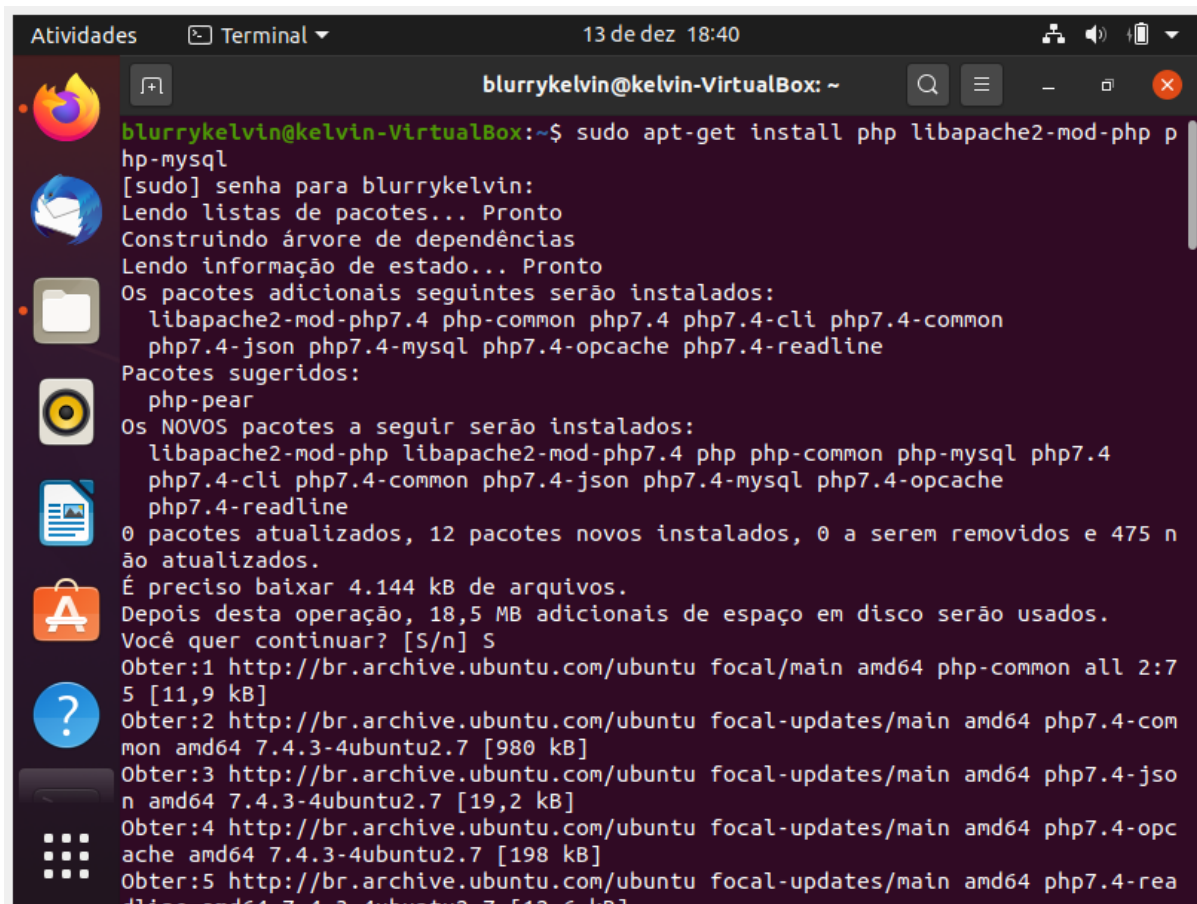
mysql> CREATE USER 'kelvindelima'@'localhost' IDENTIFIED BY '1234';
Query OK, 0 rows affected (0,02 sec)

mysql> GRANT ALL PRIVILEGES ON *.* TO 'kelvindelima'@'localhost';
Query OK, 0 rows affected (0,01 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0,00 sec)

mysql>
```

## PHPmyAdmin



A terminal window titled "Terminal" with a dark background and light text. The window shows the output of the command `sudo apt-get install php libapache2-mod-php php-mysql`. The output includes the password prompt, package list retrieval, dependency tree construction, and the list of additional packages to be installed. It also shows the disk space requirements and the progress of downloading packages from the Ubuntu archive.

```
blurrykelvin@kelvin-VirtualBox: ~$ sudo apt-get install php libapache2-mod-php php-mysql
[sudo] senha para blurrykelvin:
Lendo listas de pacotes... Pronto
Construindo árvore de dependências
Lendo informação de estado... Pronto
Os pacotes adicionais seguintes serão instalados:
  libapache2-mod-php7.4 php-common php7.4 php7.4-cli php7.4-common
  php7.4-json php7.4-mysql php7.4-opcache php7.4-readline
Pacotes sugeridos:
  php-pear
Os NOVOS pacotes a seguir serão instalados:
  libapache2-mod-php libapache2-mod-php7.4 php php-common php-mysql php7.4
  php7.4-cli php7.4-common php7.4-json php7.4-mysql php7.4-opcache
  php7.4-readline
0 pacotes atualizados, 12 pacotes novos instalados, 0 a serem removidos e 475 n
ão atualizados.
É preciso baixar 4.144 kB de arquivos.
Depois desta operação, 18,5 MB adicionais de espaço em disco serão usados.
Você quer continuar? [S/n] S
Obter:1 http://br.archive.ubuntu.com/ubuntu focal/main amd64 php-common all 2:7
5 [11,9 kB]
Obter:2 http://br.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-com
mon amd64 7.4.3-4ubuntu2.7 [980 kB]
Obter:3 http://br.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-jso
n amd64 7.4.3-4ubuntu2.7 [19,2 kB]
Obter:4 http://br.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-opc
ache amd64 7.4.3-4ubuntu2.7 [198 kB]
Obter:5 http://br.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-rea
```

