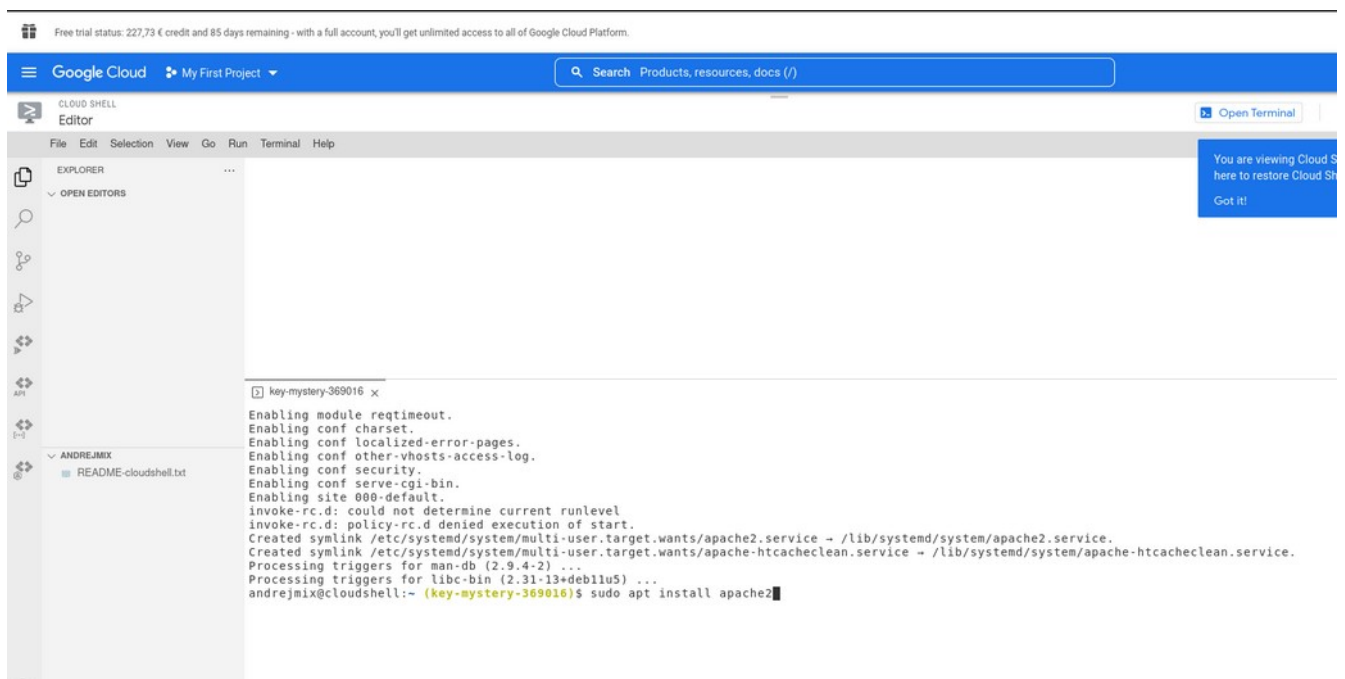


Урок 7. Практика. Запускаем веб-сервер

1. Установить Apache2. Прислать скриншоты работающего сервера.
2. Установить MySQL. Проверить работу, через консольного клиента, проверить команды `select user from mysql.users;` и `select * from users;`
3. Установить php7.4 и phpmyadmin.

1. Установить Apache2. Прислать скриншоты работающего сервера.

- `sudo apt update`
- `sudo apt install apache2`
- `sudo apt install ufw`
- `sudo ufw app list`



The screenshot shows the Google Cloud Shell interface. At the top, there's a header with "Google Cloud" and "My First Project". Below that, a search bar and a "Search" button. The main area is divided into three panes: Explorer, Editor, and Terminal. The Explorer pane on the left shows a file tree with "OPEN EDITORS" and "README-cloudshell.txt". The Editor pane in the middle is empty. The Terminal pane on the right shows the output of the command `sudo apt install apache2`. The output includes messages about enabling modules and configuration files, and the final command prompt `andrejmix@cloudshell:~ (key-mystery-369016)$`.

```
Free trial status: 227.73 € credit and 85 days remaining - with a full account, you'll get unlimited access to all of Google Cloud Platform.

Google Cloud My First Project
Search Products, resources, docs (/)

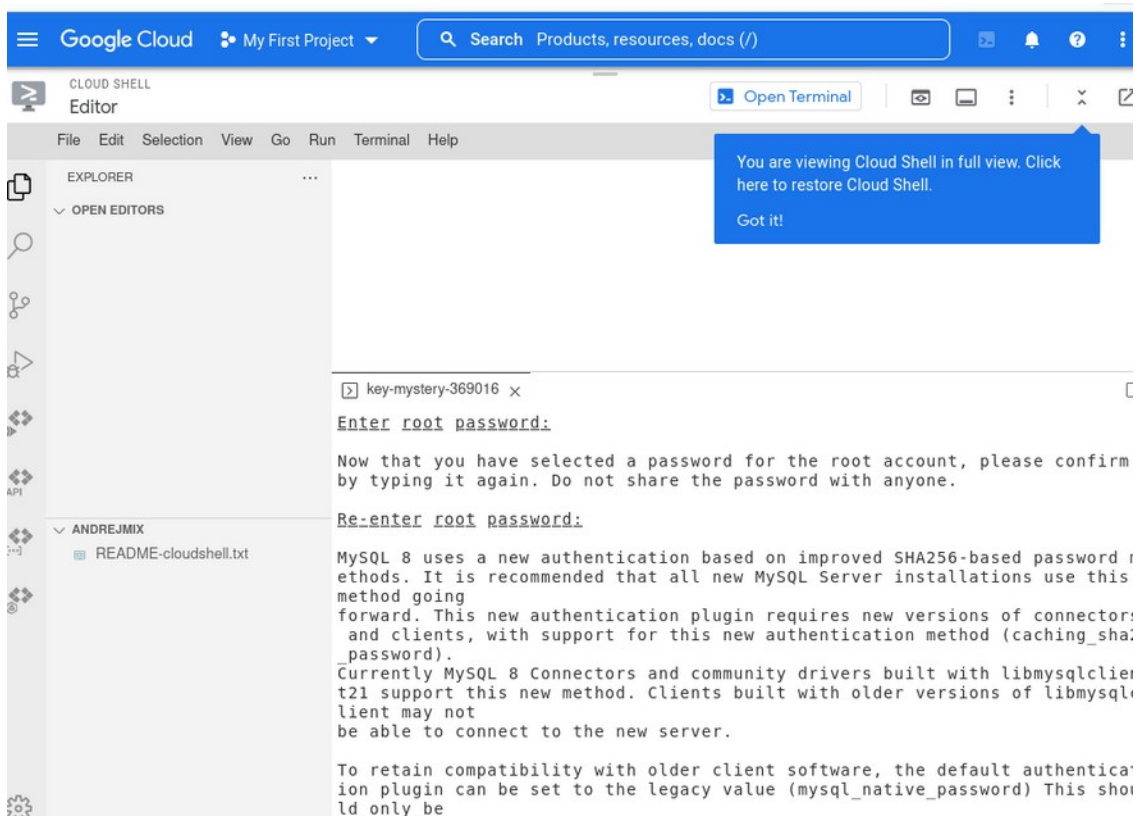
CLOUD SHELL Editor
File Edit Selection View Go Run Terminal Help

EXPLORER
OPEN EDITORS

key-mystery-369016 x
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of start.
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.
Processing triggers for man-db (2.9.4-2) ...
Processing triggers for libc-bin (2.31-13+deb11u5) ...
andrejmix@cloudshell:~ (key-mystery-369016)$ sudo apt install apache2
```

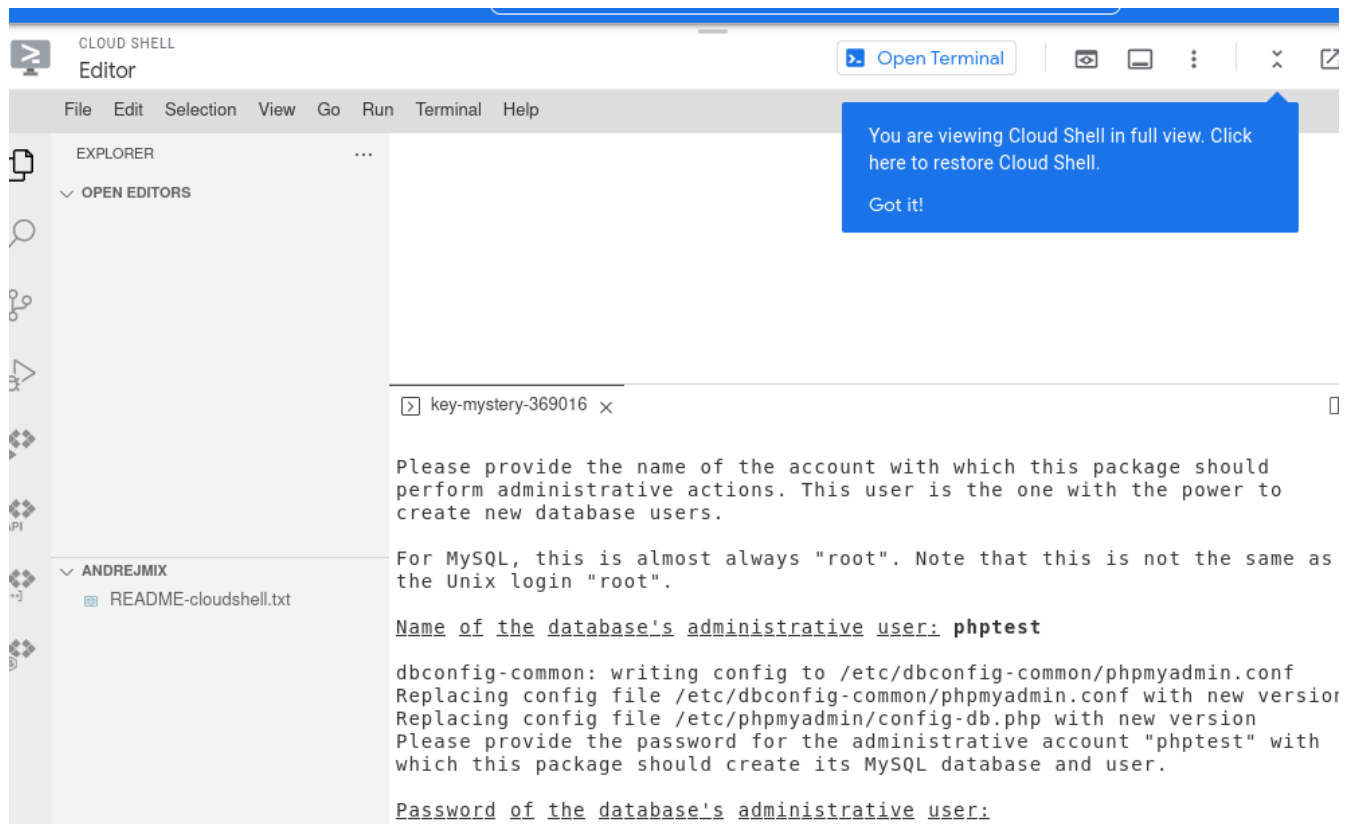
2. Установить MySQL. Проверить работу, через консольного клиента, проверить команды select user from mysql.users; и select * from users;

- `sudo apt-get install mysql-server mysql-client mysql-common php7.0-mysql`
- Please provide a strong password that will be set for the root account
- 1. Use Strong Password Encryption (RECOMMENDED)
- `mysql_secure_installation`
- `mysql -u root -p`
- `CREATE DATABASE test;`
`CREATE USER 'user'@'localhost'`
`IDENTIFIED BY '1234';`
`GRANT ALL PRIVILEGES ON`
`mydatabase.* TO user@localhost;`
`FLUSH PRIVILEGES;`
`Exit`
- Login `mysql -u user -p`
`1234`
- Database
`USE mydatabase;`
`create table mytable (`
`id int not null auto_increment,`
`txt varchar(100),`
`n int,`
`primary key (id))`



3. Установить php7.4 и phpmyadmin.

- `sudo apt-get -y install php7.0 libapache2-mod-php7.0 php7.0-mysql php7.0-curl php7.0-json`
- `sudo apt install phpmyadmin -y`



The screenshot shows the Cloud Shell Editor interface. On the left is the Explorer panel with 'OPEN EDITORS' and a file named 'README-cloudshell.txt'. The main terminal area shows the following output:

```
key-mystery-369016 x

Please provide the name of the account with which this package should
perform administrative actions. This user is the one with the power to
create new database users.

For MySQL, this is almost always "root". Note that this is not the same as
the Unix login "root".

Name of the database's administrative user: phptest

dbconfig-common: writing config to /etc/dbconfig-common/phpmyadmin.conf
Replacing config file /etc/dbconfig-common/phpmyadmin.conf with new version
Replacing config file /etc/phpmyadmin/config-db.php with new version
Please provide the password for the administrative account "phptest" with
which this package should create its MySQL database and user.

Password of the database's administrative user:
```

A blue notification box in the top right corner states: "You are viewing Cloud Shell in full view. Click here to restore Cloud Shell. Got it!"