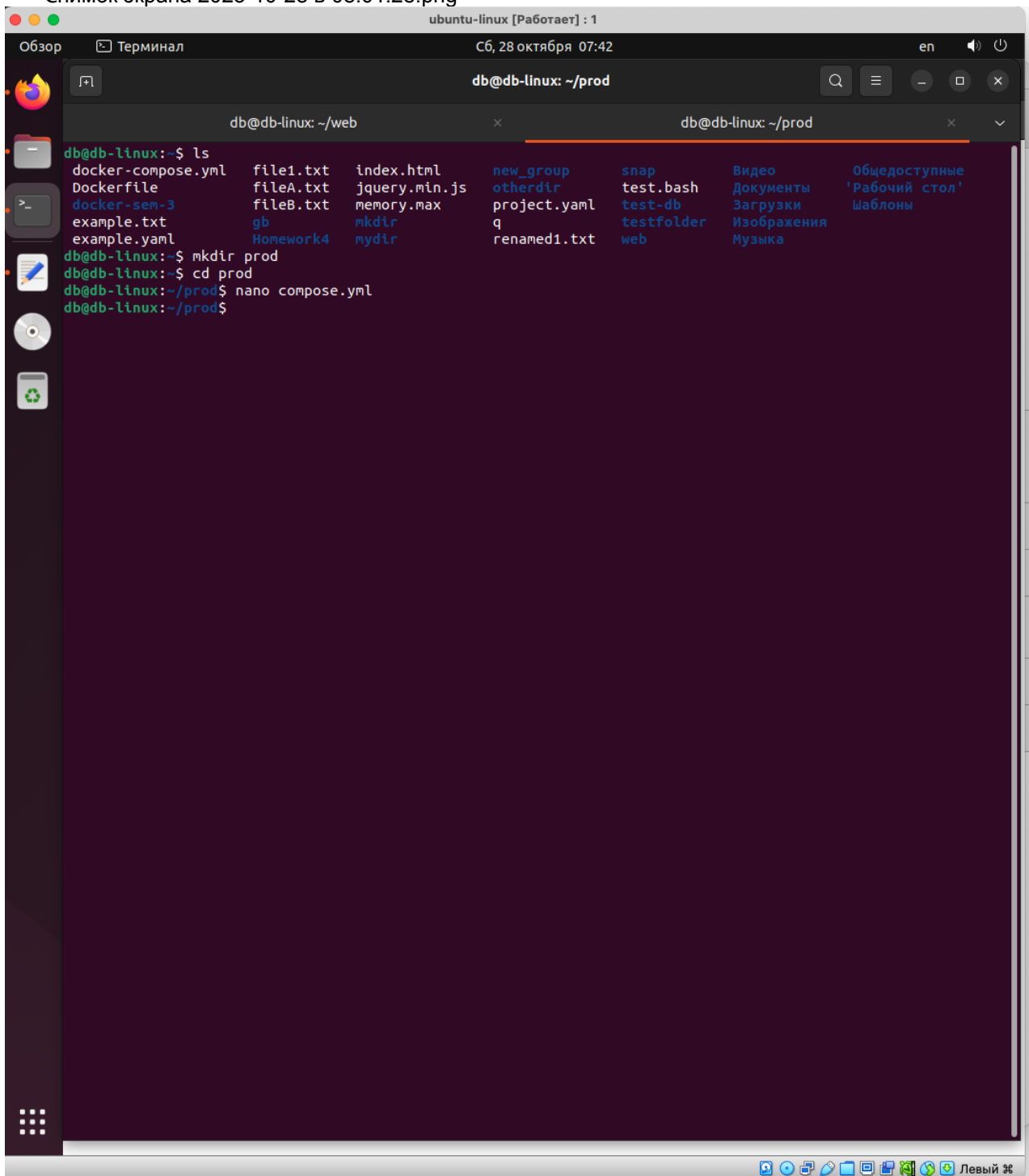
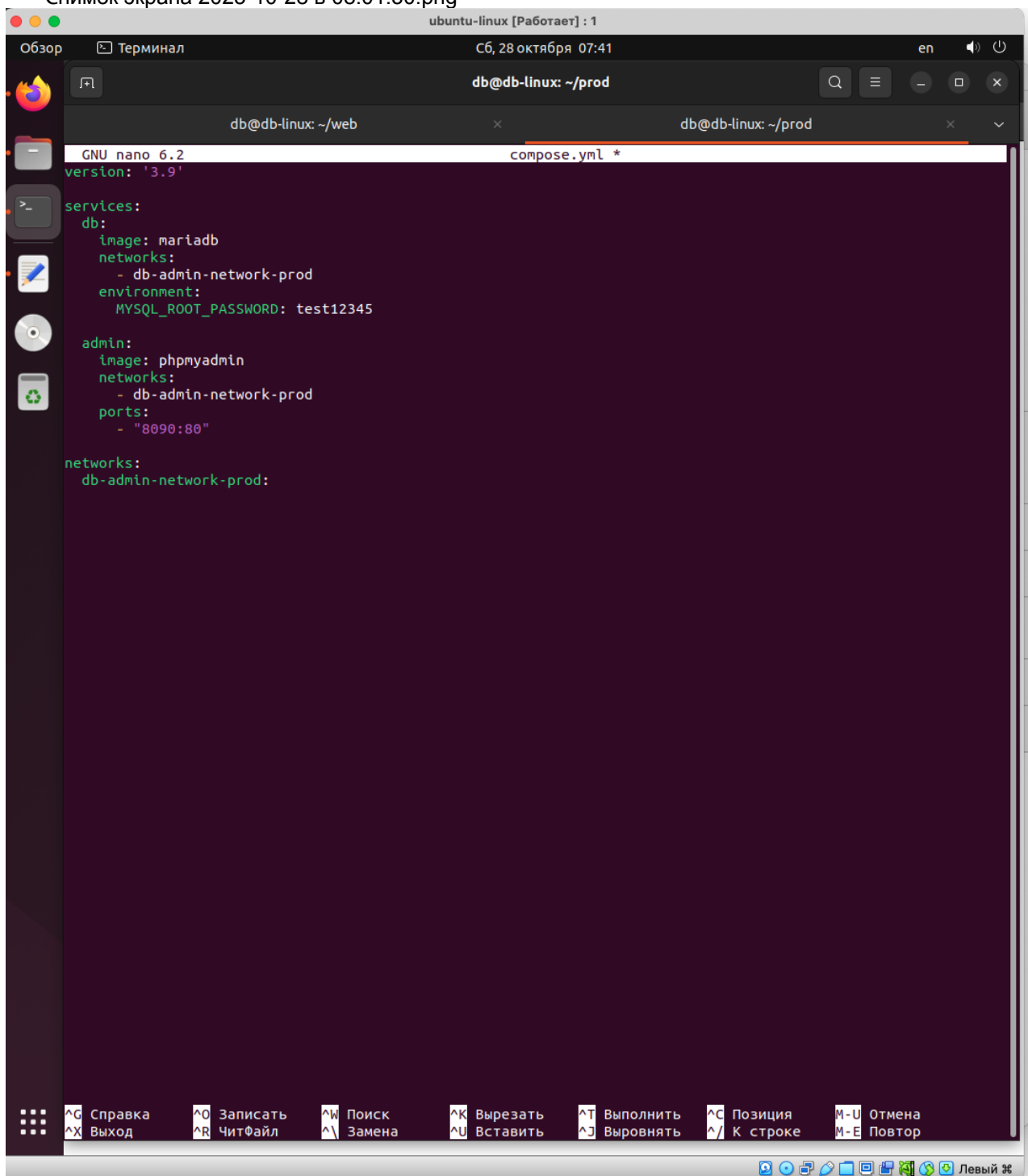


Снимок экрана 2023-10-28 в 08.01.28.png



Снимок экрана 2023-10-28 в 08.01.30.png



Снимок экрана 2023-10-28 в 08.24.56.png

```
ubuntu-linux [Работает] : 1
Обзор Терминал C6, 28 октября 08:05 en
db@db-linux: ~/prod

db@db-linux: ~/web
db@db-linux: ~/prod

db@db-linux:~$ mkdir prod
db@db-linux:~$ cd prod
db@db-linux:~/prod$ nano compose.yml
db@db-linux:~/prod$ nano compose.yml
db@db-linux:~/prod$ nano compose.yml
db@db-linux:~/prod$ sudo docker-compose up -d
[sudo] пароль для db:
Creating network "prod_db-admin-network-prod" with the default driver
Creating prod_db-prod_1 ... done
Creating prod_admin-prod_1 ... done
db@db-linux:~/prod$ sudo docker ps -a
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS
a9f07e18d221   phpmyadmin                          "/docker-entrypoint.    29 seconds ago Up 27 seconds 0.0
.0.0:8090->80/tcp, :::8090->80/tcp
prod_admin-prod_1
bb89d9c4a9d7   mariadb:10.10.2                    "docker-entrypoint.s    29 seconds ago Up 27 seconds 330
6/tcp
prod_db-prod_1
5a1e873bd674   mariadb                             "docker-entrypoint.s    4 days ago     Up 4 days      330
6/tcp
web_db_1
26b7c3efcd4d   phpmyadmin                          "/docker-entrypoint.    4 days ago     Up 4 days      0.0
.0.0:8089->80/tcp, :::8089->80/tcp
web_admin_1
e705fc8596da   adminer:4.8.1                      "entrypoint.sh php -    5 days ago     Up 5 days      0.0
.0.0:6080->8080/tcp, :::6080->8080/tcp
db_adminer_1
dd617049bcfe   phpmyadmin/phpmyadmin              "/docker-entrypoint.    6 days ago     Up 6 days      0.0
.0.0:8881->80/tcp, :::8881->80/tcp
myphpadmin
13f7e09e9ef6   mysql:8.0.31                       "docker-entrypoint.s    6 days ago     Up 6 days      330
6/tcp, 33060/tcp
some-mysql
b0e2bda4b417   homework4                           "python3 hello.py"     6 days ago     Exited (0) 6 days ago
blissful_zhukovsky
6522816392be   dpape/pgadmin4                      "/entrypoint.sh"       11 days ago     Exited (255) 6 days ago 80/
tcp, 443/tcp, 0.0.0.0:5051->81/tcp, :::5051->81/tcp
pgadmin-container3
2540f2d7dd19   dpape/pgadmin4                      "/entrypoint.sh"       11 days ago     Exited (255) 6 days ago 443
/tcp, 0.0.0.0:5050->80/tcp, :::5050->80/tcp
pgadmin-container
a0e4db7c731a   postgres                            "docker-entrypoint.s    11 days ago     Exited (255) 6 days ago 543
2/tcp
some-postgres
db@db-linux:~/prod$ sudo docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' a9f07e18d221
"docker inspect" requires at least 1 argument.
See 'docker inspect --help'.

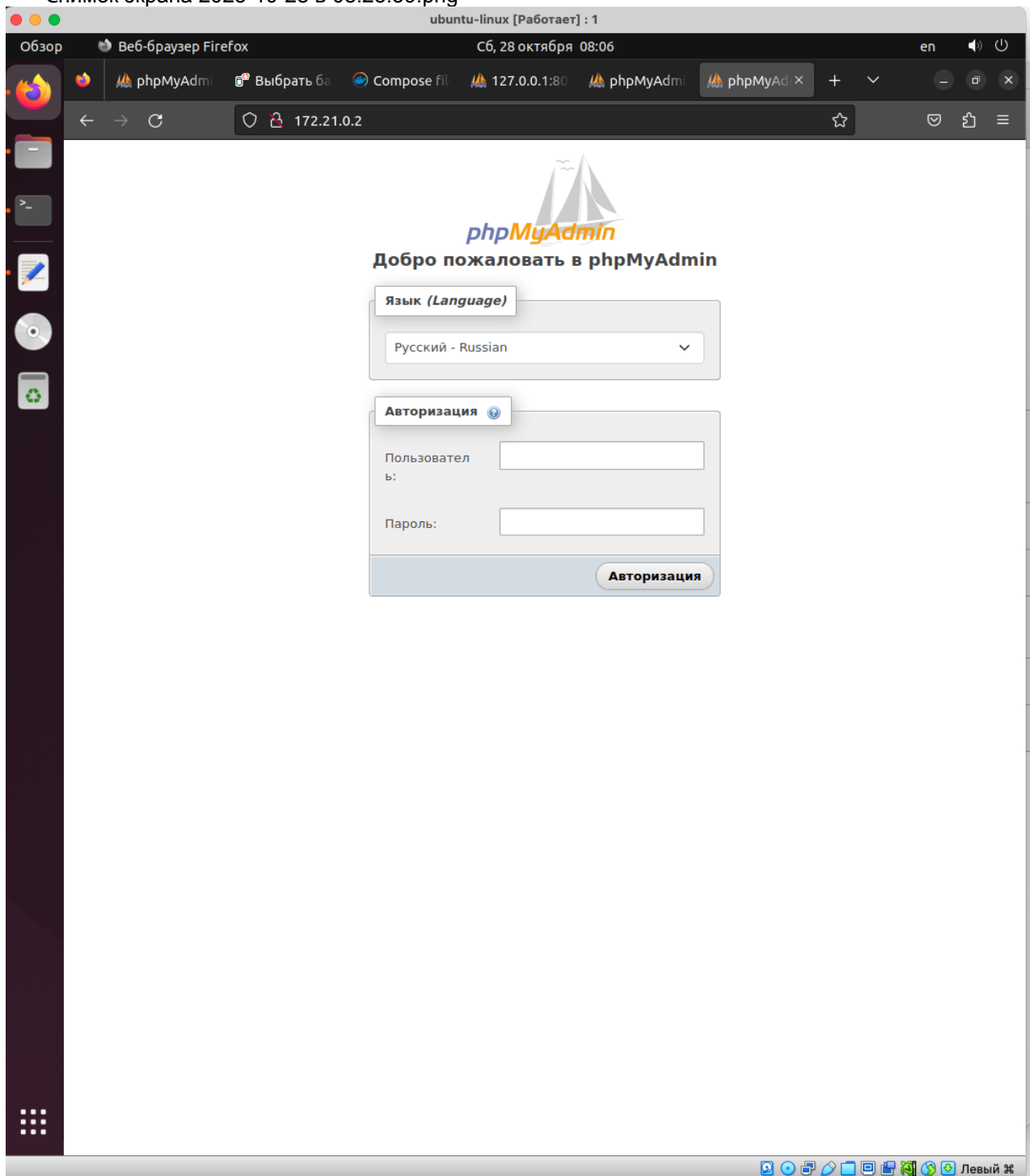
Usage: docker inspect [OPTIONS] NAME|ID [NAME|ID...]

Return low-level information on Docker objects
db@db-linux:~/prod$ sudo docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' a9f07e18d221
172.21.0.2
db@db-linux:~/prod$ sudo docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' 5a1e873bd674
"docker inspect" requires at least 1 argument.
See 'docker inspect --help'.

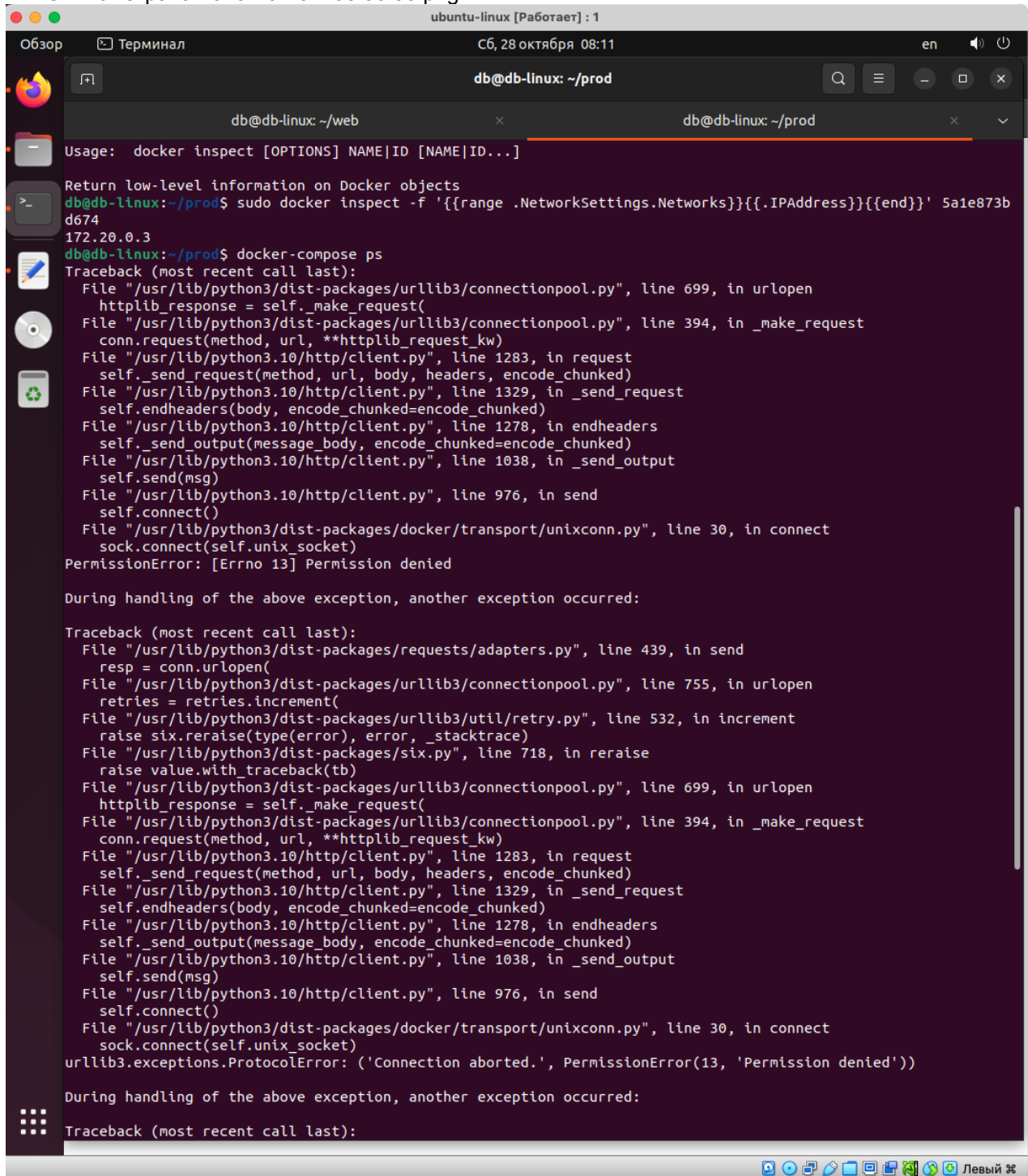
Usage: docker inspect [OPTIONS] NAME|ID [NAME|ID...]

Return low-level information on Docker objects
db@db-linux:~/prod$ sudo docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' 5a1e873bd674
172.20.0.3
db@db-linux:~/prod$
```

Снимок экрана 2023-10-28 в 08.25.39.png



Снимок экрана 2023-10-28 в 08.30.58.png



```
ubuntu-linux [Работает] : 1
Обзор Терминал Сб, 28 октября 08:11 en
db@db-linux: ~/prod

Usage: docker inspect [OPTIONS] NAME|ID [NAME|ID...]

Return low-level information on Docker objects
db@db-linux: ~/prod$ sudo docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' 5a1e873b
d674
172.20.0.3
db@db-linux: ~/prod$ docker-compose ps
Traceback (most recent call last):
  File "/usr/lib/python3/dist-packages/urllib3/connectionpool.py", line 699, in urlopen
    httplib_response = self._make_request(
  File "/usr/lib/python3/dist-packages/urllib3/connectionpool.py", line 394, in _make_request
    conn.request(method, url, **httplib_request_kw)
  File "/usr/lib/python3.10/http/client.py", line 1283, in request
    self._send_request(method, url, body, headers, encode_chunked)
  File "/usr/lib/python3.10/http/client.py", line 1329, in _send_request
    self.endheaders(body, encode_chunked=encode_chunked)
  File "/usr/lib/python3.10/http/client.py", line 1278, in endheaders
    self._send_output(message_body, encode_chunked=encode_chunked)
  File "/usr/lib/python3.10/http/client.py", line 1038, in _send_output
    self.send(msg)
  File "/usr/lib/python3.10/http/client.py", line 976, in send
    self.connect()
  File "/usr/lib/python3/dist-packages/docker/transport/unixconn.py", line 30, in connect
    sock.connect(self.unix_socket)
PermissionError: [Errno 13] Permission denied

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
  File "/usr/lib/python3/dist-packages/requests/adapters.py", line 439, in send
    resp = conn.urlopen(
  File "/usr/lib/python3/dist-packages/urllib3/connectionpool.py", line 755, in urlopen
    retries = retries.increment(
  File "/usr/lib/python3/dist-packages/urllib3/util/retry.py", line 532, in increment
    raise six.reraise(type(error), error, _stacktrace)
  File "/usr/lib/python3/dist-packages/six.py", line 718, in reraise
    raise value.with_traceback(tb)
  File "/usr/lib/python3/dist-packages/urllib3/connectionpool.py", line 699, in urlopen
    httplib_response = self._make_request(
  File "/usr/lib/python3/dist-packages/urllib3/connectionpool.py", line 394, in _make_request
    conn.request(method, url, **httplib_request_kw)
  File "/usr/lib/python3.10/http/client.py", line 1283, in request
    self._send_request(method, url, body, headers, encode_chunked)
  File "/usr/lib/python3.10/http/client.py", line 1329, in _send_request
    self.endheaders(body, encode_chunked=encode_chunked)
  File "/usr/lib/python3.10/http/client.py", line 1278, in endheaders
    self._send_output(message_body, encode_chunked=encode_chunked)
  File "/usr/lib/python3.10/http/client.py", line 1038, in _send_output
    self.send(msg)
  File "/usr/lib/python3.10/http/client.py", line 976, in send
    self.connect()
  File "/usr/lib/python3/dist-packages/docker/transport/unixconn.py", line 30, in connect
    sock.connect(self.unix_socket)
urllib3.exceptions.ProtocolError: ('Connection aborted.', PermissionError(13, 'Permission denied'))

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
```

Снимок экрана 2023-10-28 в 08.31.47.png

```
ubuntu-linux [Работает] : 1
Обзор Терминал C6, 28 октября 08:12 en
db@db-linux: ~/prod

db@db-linux: ~/web
self.connect()
File "/usr/lib/python3/dist-packages/docker/transport/unixconn.py", line 30, in connect
sock.connect(self.unix_socket)
urllib3.exceptions.ProtocolError: ('Connection aborted.', PermissionError(13, 'Permission denied'))

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
File "/usr/lib/python3/dist-packages/docker/api/client.py", line 214, in _retrieve_server_version
return self.version(api_version=False)["ApiVersion"]
File "/usr/lib/python3/dist-packages/docker/api/daemon.py", line 181, in version
return self._result(self._get(url), json=True)
File "/usr/lib/python3/dist-packages/docker/utils/decorators.py", line 46, in inner
return f(self, *args, **kwargs)
File "/usr/lib/python3/dist-packages/docker/api/client.py", line 237, in _get
return self.get(url, **self._set_request_timeout(kwargs))
File "/usr/lib/python3/dist-packages/requests/sessions.py", line 557, in get
return self.request('GET', url, **kwargs)
File "/usr/lib/python3/dist-packages/requests/sessions.py", line 544, in request
resp = self.send(prepare, **kwargs)
File "/usr/lib/python3/dist-packages/requests/sessions.py", line 657, in send
r = adapter.send(request, **kwargs)
File "/usr/lib/python3/dist-packages/requests/adapters.py", line 498, in send
raise ConnectionError(err, request=request)
requests.exceptions.ConnectionError: ('Connection aborted.', PermissionError(13, 'Permission denied'))

During handling of the above exception, another exception occurred:

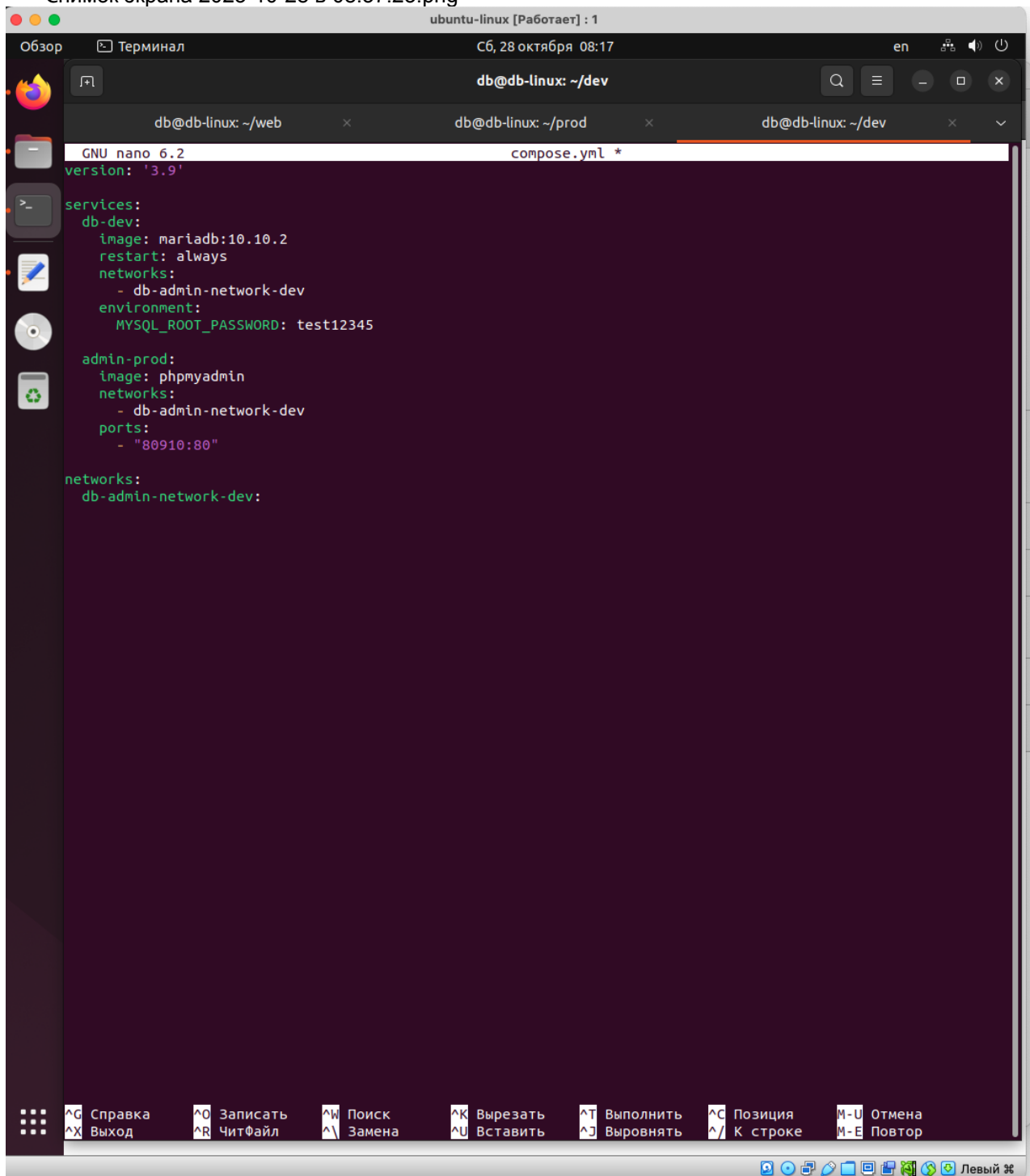
Traceback (most recent call last):
File "/usr/bin/docker-compose", line 33, in <module>
sys.exit(load_entry_point('docker-compose==1.29.2', 'console_scripts', 'docker-compose')())
File "/usr/lib/python3/dist-packages/compose/cli/main.py", line 81, in main
command_func()
File "/usr/lib/python3/dist-packages/compose/cli/main.py", line 200, in perform_command
project = project_from_options('.', options)
File "/usr/lib/python3/dist-packages/compose/cli/command.py", line 60, in project_from_options
return get_project()
File "/usr/lib/python3/dist-packages/compose/cli/command.py", line 152, in get_project
client = get_client()
File "/usr/lib/python3/dist-packages/compose/cli/docker_client.py", line 41, in get_client
client = docker_client()
File "/usr/lib/python3/dist-packages/compose/cli/docker_client.py", line 170, in docker_client
client = APIClient(use_ssh_client=not use_paramiko_ssh, **kwargs)
File "/usr/lib/python3/dist-packages/docker/api/client.py", line 197, in __init__
self._version = self._retrieve_server_version()
File "/usr/lib/python3/dist-packages/docker/api/client.py", line 221, in _retrieve_server_version
raise DockerException(
docker.errors.DockerException: Error while fetching server API version: ('Connection aborted.', PermissionError(13, 'Permission denied'))
db@db-linux:~/prod$ sudo docker-compose up -d
prod_admin-prod_1 is up-to-date
prod_db-prod_1 is up-to-date
db@db-linux:~/prod$ sudo docker-compose ps

```

| Name | Command | State | Ports |
|-------------------|--------------------------------|-------|---------------------------------------|
| prod_admin-prod_1 | /docker-entrypoint.sh apac ... | Up | 0.0.0.0:8090->80/tcp, :::8090->80/tcp |
| prod_db-prod_1 | docker-entrypoint.sh mariadb | Up | 3306/tcp |

```
db@db-linux:~/prod$
```

Снимок экрана 2023-10-28 в 08.37.23.png



Снимок экрана 2023-10-28 в 08.40.46.png

The screenshot shows a terminal window titled "ubuntu-linux [Работает] : 1" with a timestamp of "Сб, 28 октября 08:21". The user is logged in as "db" and is in the directory "~/dev". The terminal output shows the following sequence of commands and results:

```
db@db-linux:~/prod$ cd ..
db@db-linux:~$ mkdir dev cd dev
mkdir: невозможно создать каталог «dev»: Файл существует
db@db-linux:~$ ls
cd          example.yaml  index.html    otherdir     test.bash    Загрузки
dev         file1.txt     jquery.min.js prod         test-db      Изображения
docker-compose.yml fileA.txt     memory.max   project.yaml testfolder   Музыка
Dockerfile  fileB.txt     mkdir        q            web          Общедоступные
docker-sem-3 gb           mydir        renamed1.txt Видео        'Рабочий стол'
example.txt  Homework4    new_group    snap         Документы   Шаблоны

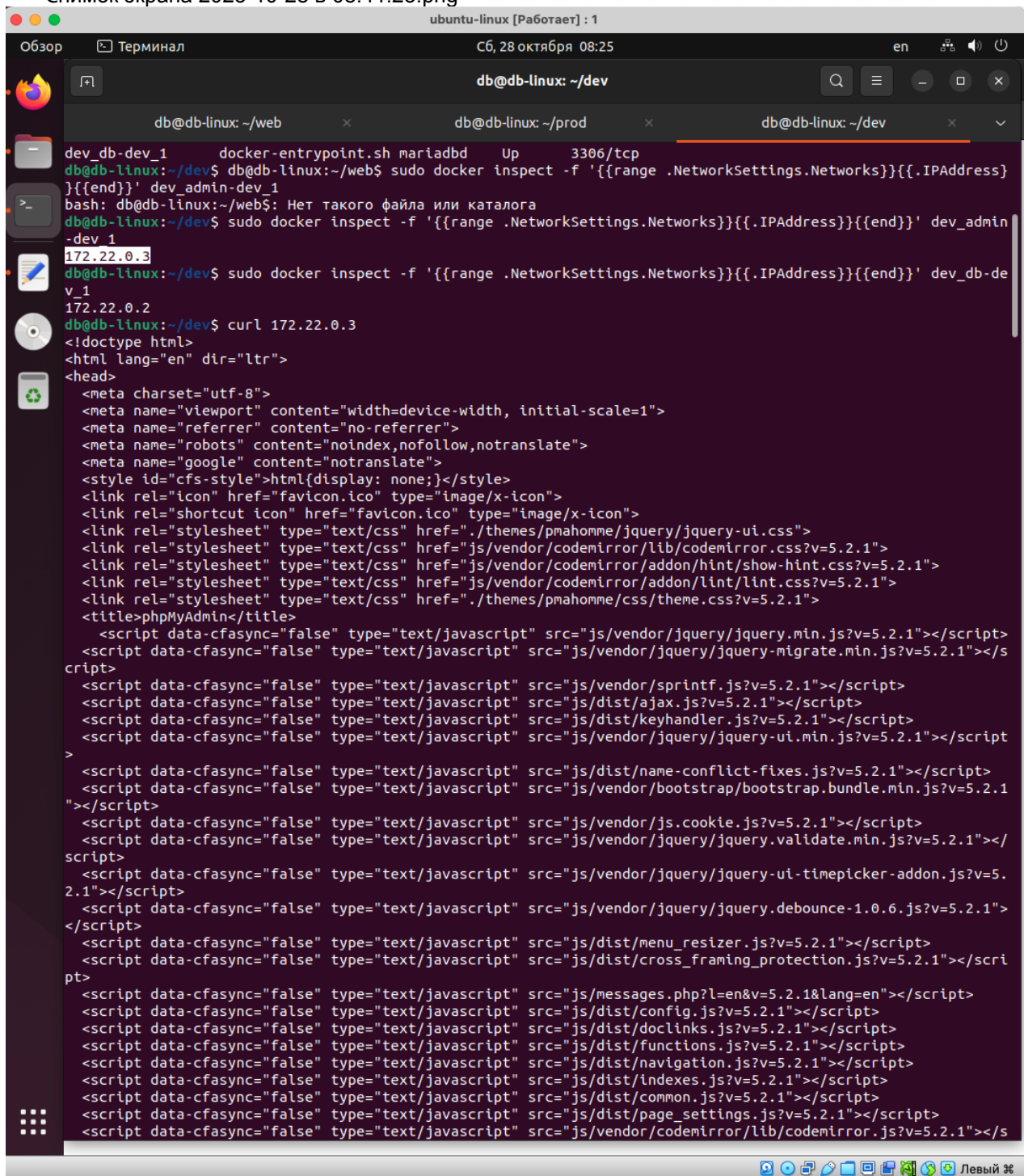
db@db-linux:~$ cd dev
db@db-linux:~/dev$ ls
db@db-linux:~/dev$ nano compose.yml
db@db-linux:~/dev$ sudo docker-compose up -d
[sudo] пароль для db:
Creating network "dev_db-admin-network-dev" with the default driver
Creating dev_admin-dev_1 ... error
Creating dev_db-dev_1 ...
Creating dev_db-dev_1 ... done

ERROR: for admin-dev Cannot create container for service admin-dev: invalid port specification: "80910"
ERROR: Encountered errors while bringing up the project.
db@db-linux:~/dev$ nano compose.yml
db@db-linux:~/dev$ sudo docker-compose up -d
dev_db-dev_1 is up-to-date
Creating dev_admin-dev_1 ... done
db@db-linux:~/dev$ sudo docker-compose ps
```

| Name | Command | State | Ports |
|-----------------|--------------------------------|-------|---------------------------------------|
| dev_admin-dev_1 | /docker-entrypoint.sh apac ... | Up | 0.0.0.0:8091->80/tcp, :::8091->80/tcp |
| dev_db-dev_1 | docker-entrypoint.sh mariadb | Up | 3306/tcp |

The terminal ends with the prompt "db@db-linux:~/dev\$".

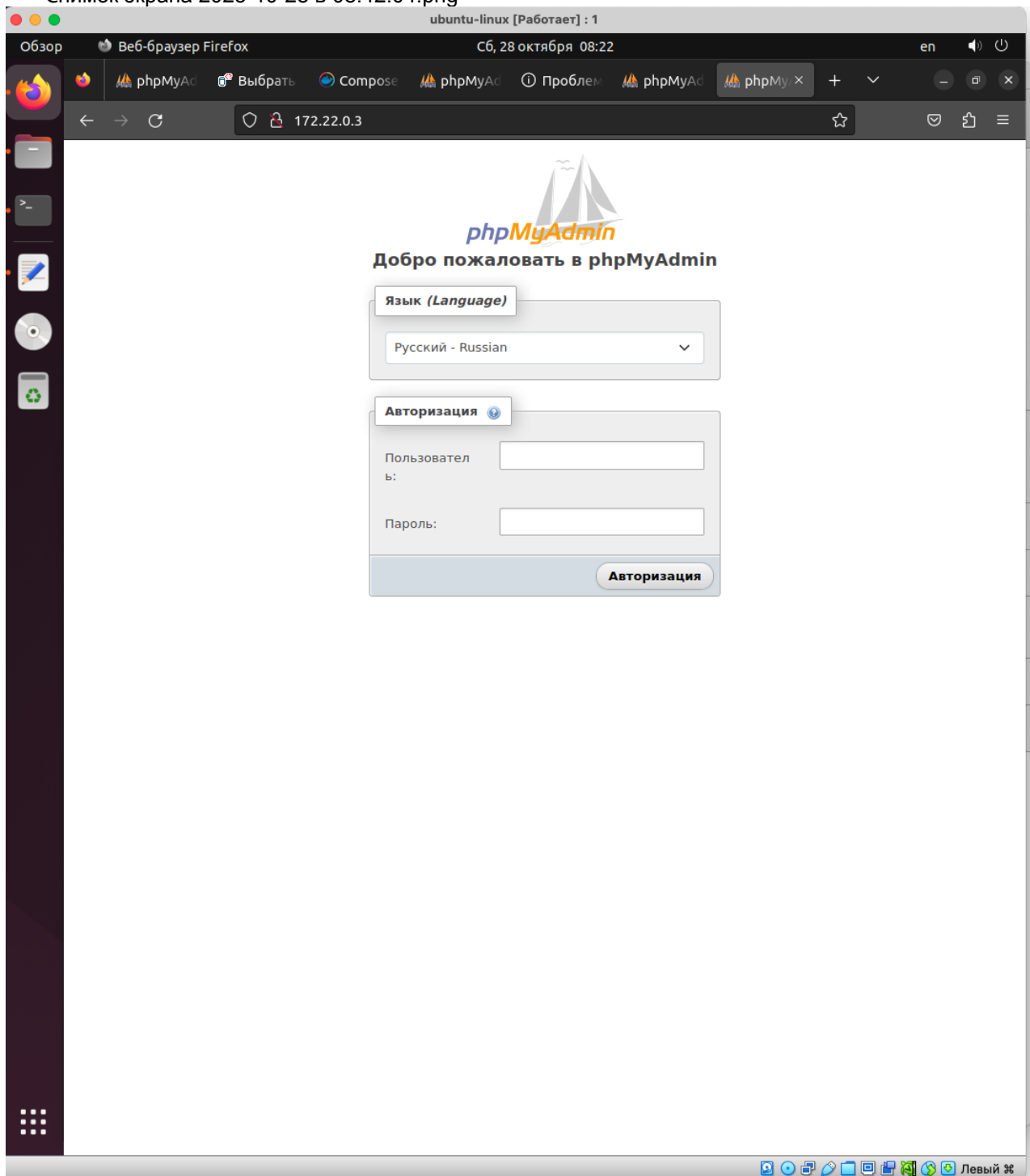
Снимок экрана 2023-10-28 в 08.41.23.png



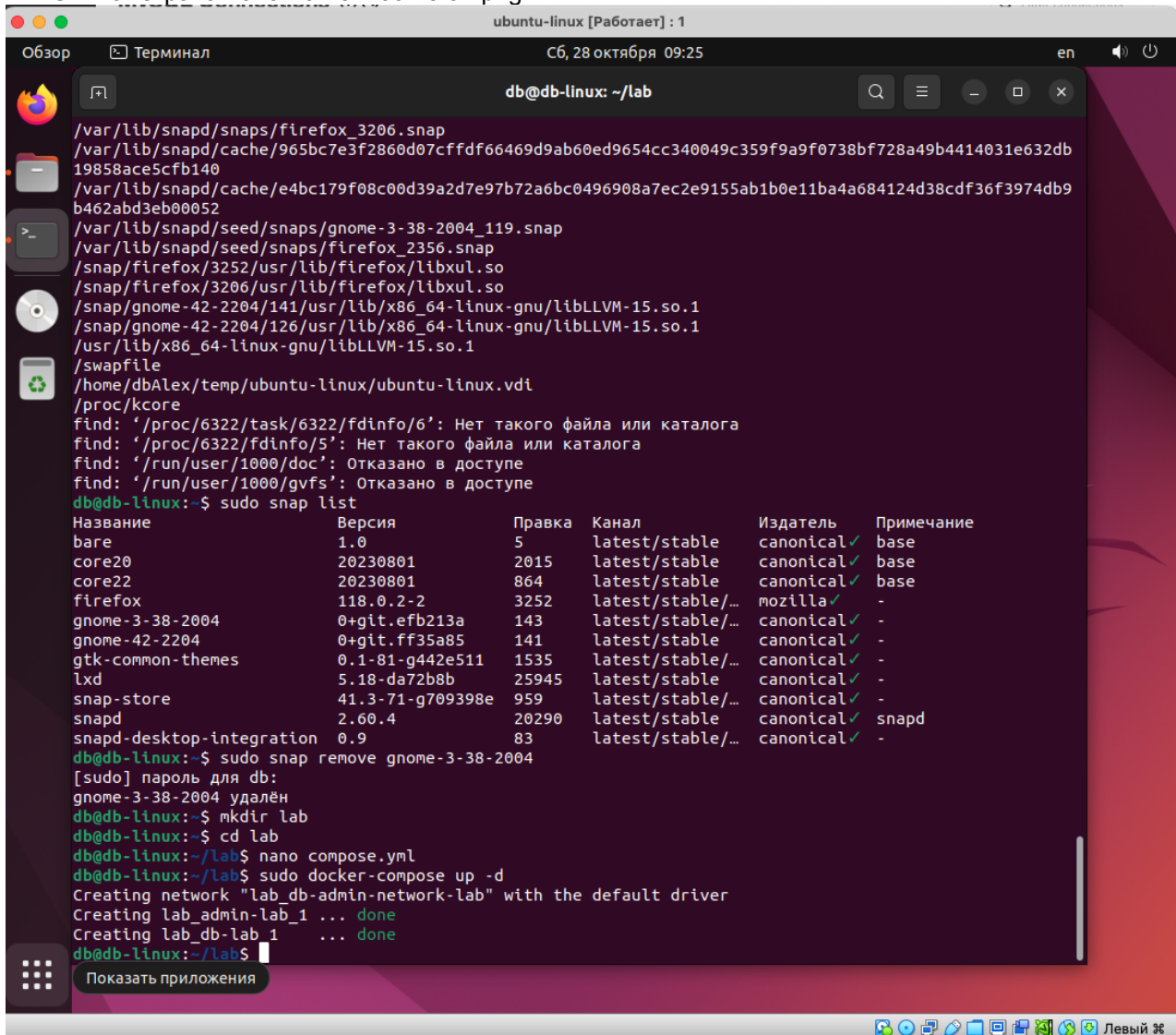
```
ubuntu-linux [Работает] : 1
Обзор Терминал Сб, 28 октября 08:25 en
db@db-linux: ~/dev

dev_db-dev_1 docker-entrypoint.sh mariadb Up 3306/tcp
db@db-linux:~/dev$ db@db-linux:~/web$ sudo docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}
{{end}}' dev_admin-dev_1
bash: db@db-linux:~/web$: Нет такого файла или каталога
db@db-linux:~/dev$ sudo docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' dev_admin
-dev_1
172.22.0.3
db@db-linux:~/dev$ sudo docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' dev_db-de
v_1
172.22.0.2
db@db-linux:~/dev$ curl 172.22.0.3
<!doctype html>
<html lang="en" dir="ltr">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <meta name="referrer" content="no-referrer">
  <meta name="robots" content="noindex,nofollow,notranslate">
  <meta name="google" content="notranslate">
  <style id="cfs-style">html{display: none;}</style>
  <link rel="icon" href="favicon.ico" type="image/x-icon">
  <link rel="shortcut icon" href="favicon.ico" type="image/x-icon">
  <link rel="stylesheet" type="text/css" href="/themes/pmahomme/jquery/jquery-ui.css">
  <link rel="stylesheet" type="text/css" href="js/vendor/codemirror/lib/codemirror.css?v=5.2.1">
  <link rel="stylesheet" type="text/css" href="js/vendor/codemirror/addon/hint/show-hint.css?v=5.2.1">
  <link rel="stylesheet" type="text/css" href="js/vendor/codemirror/addon/lint/lint.css?v=5.2.1">
  <link rel="stylesheet" type="text/css" href="/themes/pmahomme/css/theme.css?v=5.2.1">
  <title>phpMyAdmin</title>
  <script data-cfasync="false" type="text/javascript" src="js/vendor/jquery/jquery.min.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/vendor/jquery/jquery-migrate.min.js?v=5.2.1"></s
cript>
  <script data-cfasync="false" type="text/javascript" src="js/vendor/sprintf.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/dist/ajax.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/dist/keyhandler.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/vendor/jquery/jquery-ui.min.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/dist/name-conflict-fixes.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/vendor/bootstrap/bootstrap.bundle.min.js?v=5.2.1
"></script>
  <script data-cfasync="false" type="text/javascript" src="js/vendor/js.cookie.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/vendor/jquery/jquery.validate.min.js?v=5.2.1"></
script>
  <script data-cfasync="false" type="text/javascript" src="js/vendor/jquery/jquery-ui-timepicker-addon.js?v=5.
2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/vendor/jquery/jquery.debounce-1.0.6.js?v=5.2.1">
</script>
  <script data-cfasync="false" type="text/javascript" src="js/dist/menu_resizer.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/dist/cross_framing_protection.js?v=5.2.1"></scri
pt>
  <script data-cfasync="false" type="text/javascript" src="js/messages.php?l=en&v=5.2.1&lang=en"></script>
  <script data-cfasync="false" type="text/javascript" src="js/dist/config.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/dist/doclinks.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/dist/functions.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/dist/navigation.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/dist/indexes.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/dist/common.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/dist/page_settings.js?v=5.2.1"></script>
  <script data-cfasync="false" type="text/javascript" src="js/vendor/codemirror/lib/codemirror.js?v=5.2.1"></s
```

Снимок экрана 2023-10-28 в 08.42.04.png



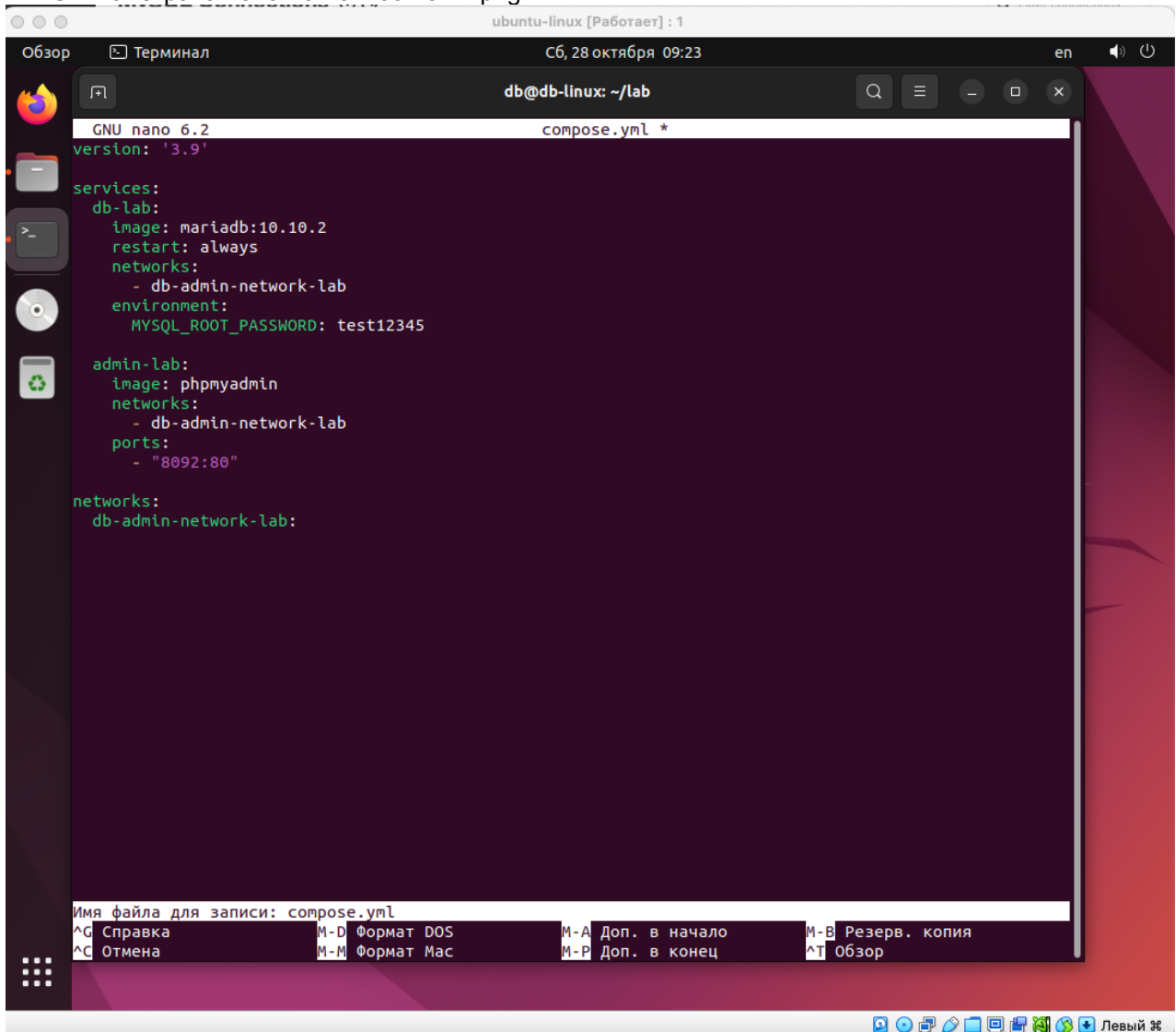
Снимок экрана 2023-10-28 в 09.25.31.png



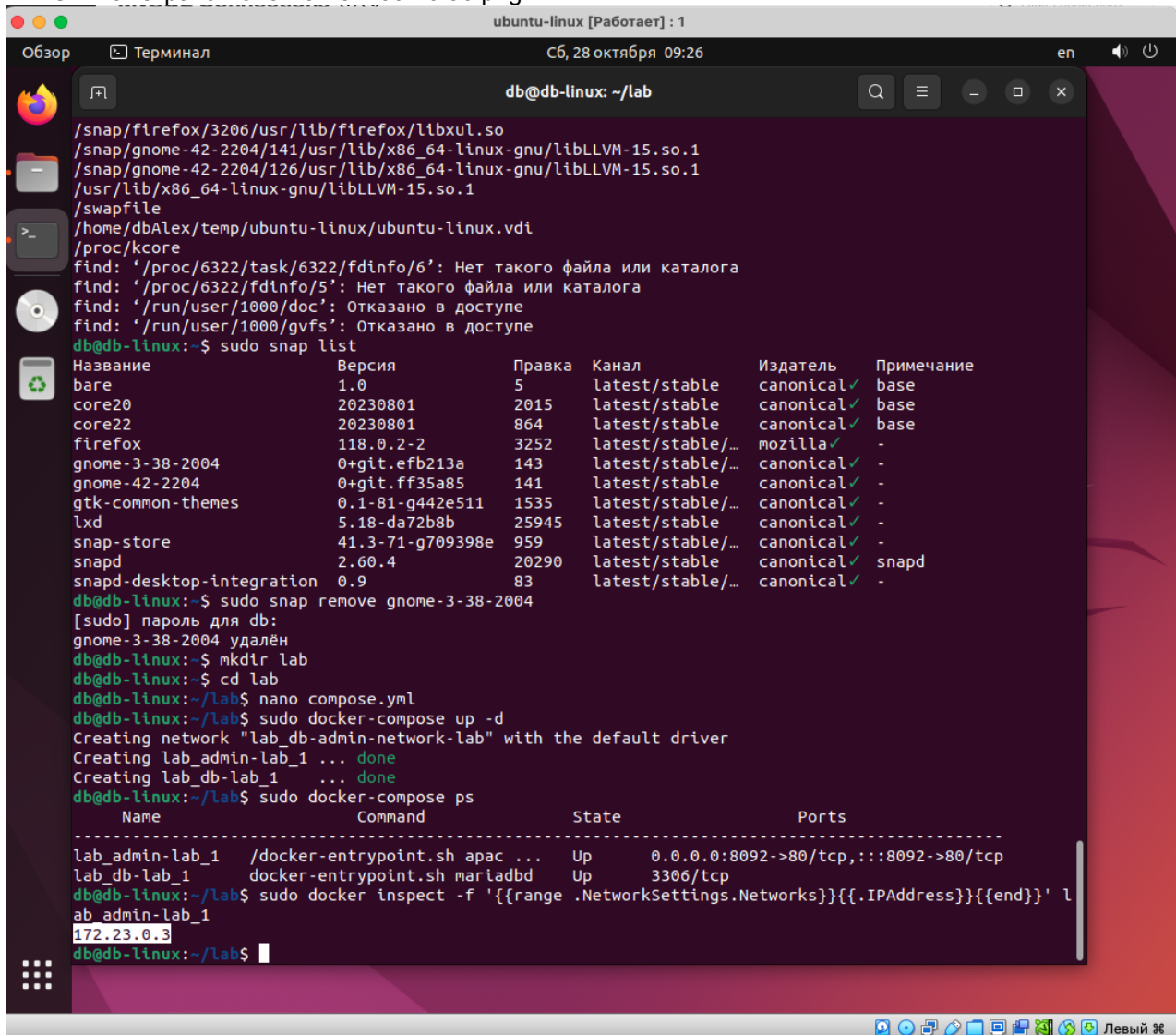
```
db@db-linux: ~/lab
/var/lib/snapd/snaps/firefox_3206.snap
/var/lib/snapd/cache/965bc7e3f2860d07cfffdf66469d9ab60ed9654cc340049c359f9a9f0738bf728a49b4414031e632db
19858ace5c9b140
/var/lib/snapd/cache/e4bc179f08c00d39a2d7e97b72a6bc0496908a7ec2e9155ab1b0e11ba4a684124d38cdf36f3974db9
b462abd3eb00052
/var/lib/snapd/seed/snaps/gnome-3-38-2004_119.snap
/var/lib/snapd/seed/snaps/firefox_2356.snap
/snap/firefox/3252/usr/lib/firefox/libxul.so
/snap/firefox/3206/usr/lib/firefox/libxul.so
/snap/gnome-42-2204/141/usr/lib/x86_64-linux-gnu/libLLVM-15.so.1
/snap/gnome-42-2204/126/usr/lib/x86_64-linux-gnu/libLLVM-15.so.1
/usr/lib/x86_64-linux-gnu/libLLVM-15.so.1
/swapfile
/home/dbAlex/temp/ubuntu-linux/ubuntu-linux.vdi
/proc/kcore
find: '/proc/6322/task/6322/fdinfo/6': Нет такого файла или каталога
find: '/proc/6322/fdinfo/5': Нет такого файла или каталога
find: '/run/user/1000/doc': Отказано в доступе
find: '/run/user/1000/gvfs': Отказано в доступе
db@db-linux:~$ sudo snap list
Название          Версия          Пакет          Канал          Издатель          Примечание
bare              1.0             5              latest/stable   canonical✓        base
core20            20230801        2015           latest/stable   canonical✓        base
core22            20230801        864           latest/stable   canonical✓        base
firefox           118.0.2-2       3252           latest/stable/... mozilla✓          -
gnome-3-38-2004   0+git.efb213a   143           latest/stable/... canonical✓        -
gnome-42-2204     0+git.ff35a85   141           latest/stable   canonical✓        -
gtk-common-themes 0.1-81-g442e511 1535           latest/stable/... canonical✓        -
lxd               5.18-da72b8b    25945          latest/stable   canonical✓        -
snap-store        41.3-71-g709398e 959            latest/stable/... canonical✓        -
snapd             2.60.4          20290          latest/stable   canonical✓        snapd
snapd-desktop-integration 0.9             83            latest/stable/... canonical✓        -
db@db-linux:~$ sudo snap remove gnome-3-38-2004
[sudo] пароль для db:
gnome-3-38-2004 удалён
db@db-linux:~$ mkdir lab
db@db-linux:~$ cd lab
db@db-linux:~/lab$ nano compose.yml
db@db-linux:~/lab$ sudo docker-compose up -d
Creating network "lab_db-admin-network-lab" with the default driver
Creating lab_admin-lab_1 ... done
Creating lab_db-lab 1 ... done
db@db-linux:~/lab$
```

Показать приложения

Снимок экрана 2023-10-28 в 09.25.42.png



Снимок экрана 2023-10-28 в 09.26.36.png



```
db@db-linux: ~/lab
/snap/firefox/3206/usr/lib/firefox/libxul.so
/snap/gnome-42-2204/141/usr/lib/x86_64-linux-gnu/libLLVM-15.so.1
/snap/gnome-42-2204/126/usr/lib/x86_64-linux-gnu/libLLVM-15.so.1
/usr/lib/x86_64-linux-gnu/libLLVM-15.so.1
/swapfile
/home/dbAlex/temp/ubuntu-linux/ubuntu-linux.vdi
/proc/kcore
find: '/proc/6322/task/6322/fdinfo/6': Нет такого файла или каталога
find: '/proc/6322/fdinfo/5': Нет такого файла или каталога
find: '/run/user/1000/doc': Отказано в доступе
find: '/run/user/1000/gvfs': Отказано в доступе
db@db-linux:~$ sudo snap list
Название          Версия      Пакет      Канал      Издатель      Примечание
bare              1.0        5          latest/stable canonical ✓   base
core20            20230801   2015       latest/stable canonical ✓   base
core22            20230801   864       latest/stable canonical ✓   base
firefox           118.0.2-2  3252      latest/stable/... mozilla ✓    -
gnome-3-38-2004   0+git.efb213a 143      latest/stable/... canonical ✓ -
gnome-42-2204     0+git.ff35a85 141      latest/stable canonical ✓ -
gtk-common-themes 0.1-81-g442e511 1535    latest/stable/... canonical ✓ -
lxd               5.18-da72b8b 25945     latest/stable canonical ✓ -
snap-store        41.3-71-g709398e 959     latest/stable/... canonical ✓ -
snapd             2.60.4      20290     latest/stable canonical ✓   snapd
snapd-desktop-integration 0.9         83        latest/stable/... canonical ✓ -
db@db-linux:~$ sudo snap remove gnome-3-38-2004
[sudo] пароль для db:
gnome-3-38-2004 удалён
db@db-linux:~$ mkdir lab
db@db-linux:~$ cd lab
db@db-linux:~/lab$ nano compose.yml
db@db-linux:~/lab$ sudo docker-compose up -d
Creating network "lab_db-admin-network-lab" with the default driver
Creating lab_admin-lab_1 ... done
Creating lab_db-lab_1 ... done
db@db-linux:~/lab$ sudo docker-compose ps
      Name                  Command                  State                  Ports
-----
lab_admin-lab_1    /docker-entrypoint.sh apac ... Up                    0.0.0.0:8092->80/tcp, :::8092->80/tcp
lab_db-lab_1       docker-entrypoint.sh mariadb Up                    3306/tcp
db@db-linux:~/lab$ sudo docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' 1
172.23.0.3
db@db-linux:~/lab$
```

Снимок экрана 2023-10-28 в 09.27.21.png

