Предмет	Управление и автоматизация БД
Курс	4
Семестр	2
Работа	Практическое задание №13
Группа	494
Фамилия	Зубкова
Имя	Валерия
Отчество	Геннадьевна

# Отчет

Скачивание redis файлов

```
Terminal - valeria@zubkova494: ~ (on zubkova494)

File Edit View Terminal Tabs Help

valeria@zubkova494:~$ curl https://download.redis.io/releases/redis-6.2.6.tar.gz > redis.tar.gz

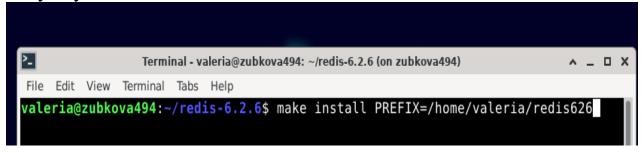
% Total % Received % Xferd Average Speed Time Time Time Current

Dload Upload Total Spent Left Speed

100 2418k 100 2418k 0 0 310k 0 0:00:07 --:--:- 571k

valeria@zubkova494:~$ make install PREFIX=/home/valeria/redis626
```

Запуск установочных текстов



Заносим в РАТН пусть к исполняющим файлам redis

```
>_
                         Terminal - valeria@zubkova494: ~ (on zubkova494)
                                                                                               ^ _ D X
File Edit View Terminal Tabs Help
 GNU nano 5.4
                                                 .profile *
 f [ -n "$BASH_VERSION" ]; then
     if [ -f "$HOME/.bashrc" ]; then
    . "$HOME/.bashrc"
# set PATH so it includes user's private bin if it exists
if [ -d "$HOME/bin" ] ; then
    PATH="$HOME/bin:$PATH"
 f [ -d "$HOME/.local/bin" ] ; then PATH="$HOME/.local/bin:$PATH"
alias redis='redis-server ~/redis626/etc/red<u>i</u>s.conf'
export PATH=$PATH:/home/valeria/redis626/bin
                 ^O Write Out ^W Where Is
                                                  ^K Cut
   Help
                                                                       Execute
                                                                                     ^C Location
                    Read File
   Exit
                                     Replace
                                                      Paste
                                                                       Justify
                                                                                        Go To Line
```

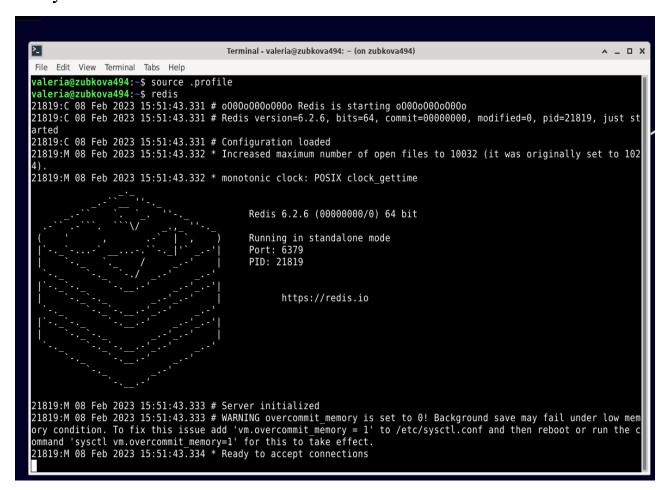
### Обновляем profile и проверяем расположение redis-server

```
Terminal - valeria@zubkova494: ~ (on zubkova494)

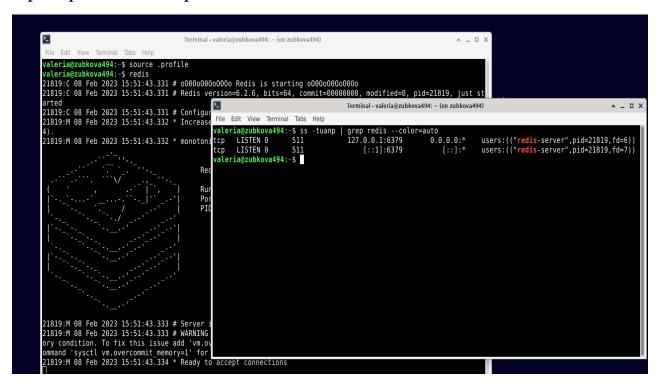
File Edit View Terminal Tabs Help

valeria@zubkova494:~$ source .profile
valeria@zubkova494:~$ which redis-server
/home/valeria/redis626/bin/redis-server
valeria@zubkova494:~$ mkdir redis626/etc
valeria@zubkova494:~$ cp redis-6.2.6/redis.conf redis626/etc/
```

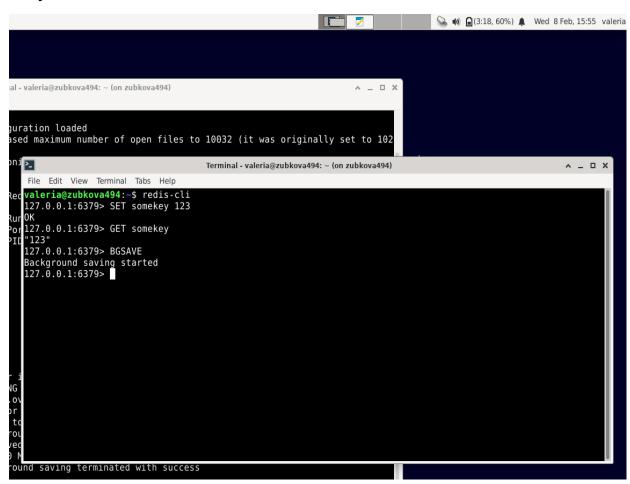
#### Запускаем redis



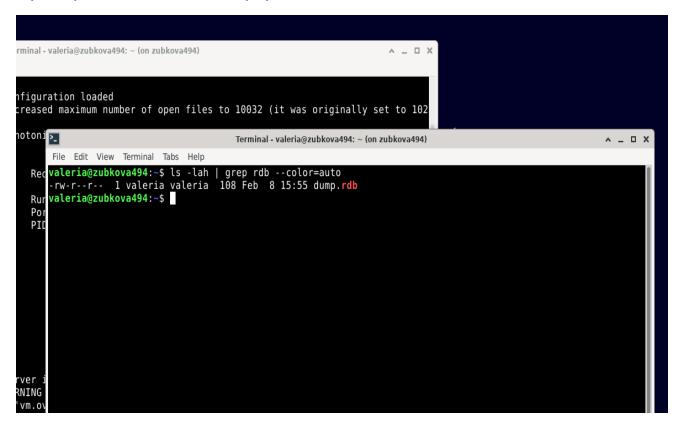
# Проверяем ТСР порты



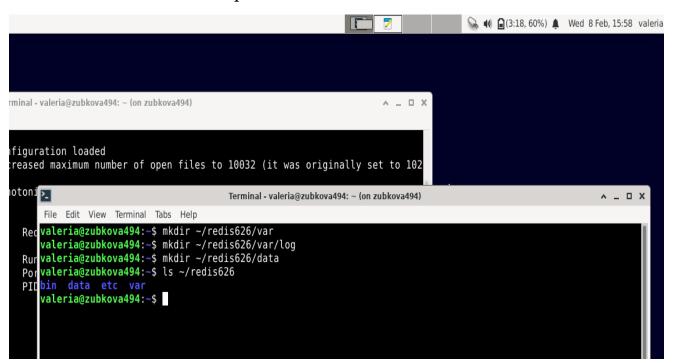
### Запускаем redis-cli



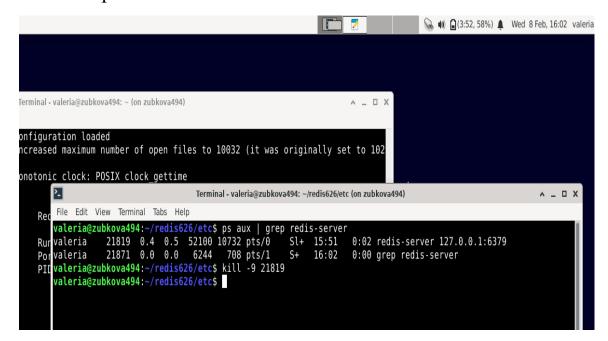
### Проверяем наличие dump файла



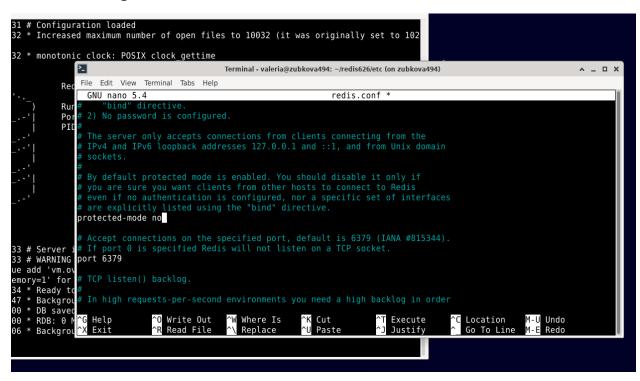
#### Создаем папки для логирования и данных



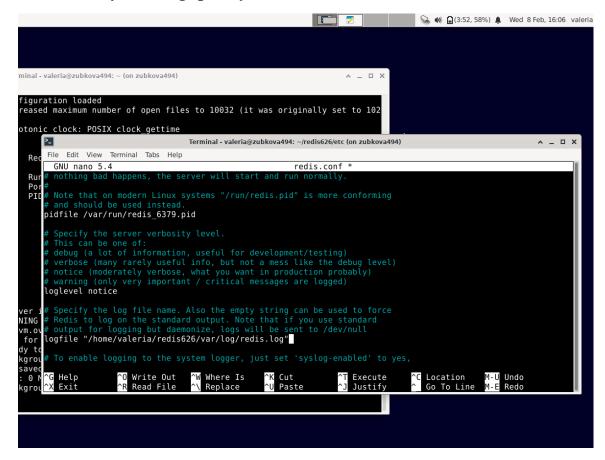
#### Остановка работы redis.



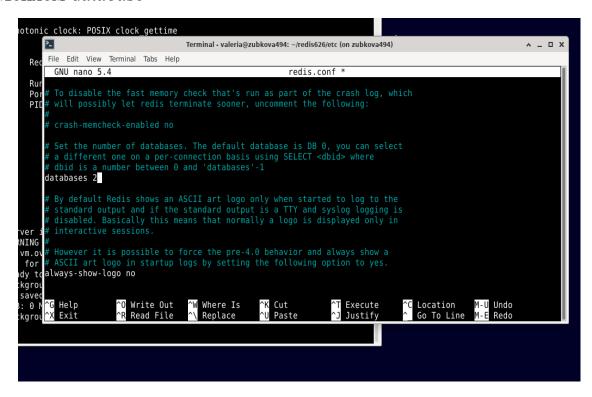
#### Отключаем protected-mode.



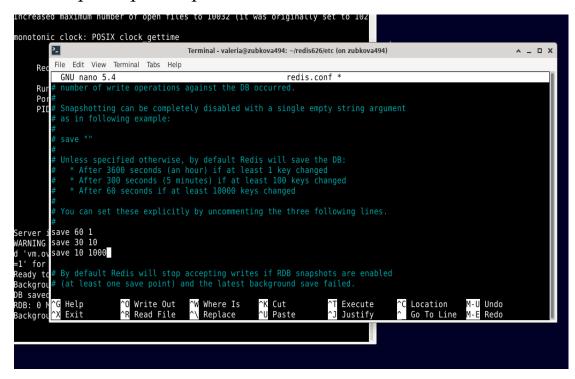
### Добавляем путь к log файлу.



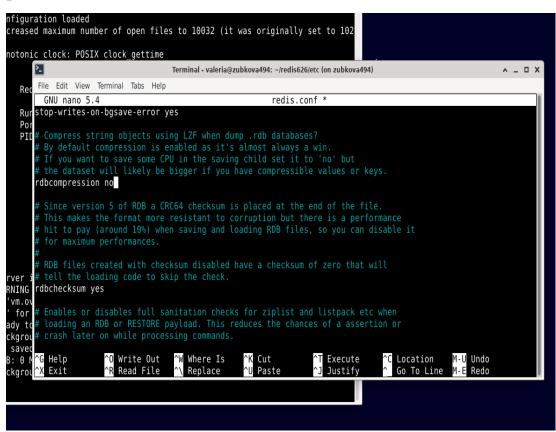
#### Меняем database



#### Меняем параметры сохранения



### Убираем сжатие



### Переименовываем дамб файл

```
figuration loaded reased maximum number of open files to 10032 (it was originally set to 102 otonic clock: POSIX clock gettime

Terminal -valeria@zubkova494: -/redis626/etc (on zubkova494)

Rec File Edit View Terminal Tabs Help

GNU nano 5.4

Rur # clients - Perform full sanitation only for user connections.

Excludes: RDB files, RESTORE commands received from the master connection, and client connections which have the skip-sanitize-payload ALL flag.

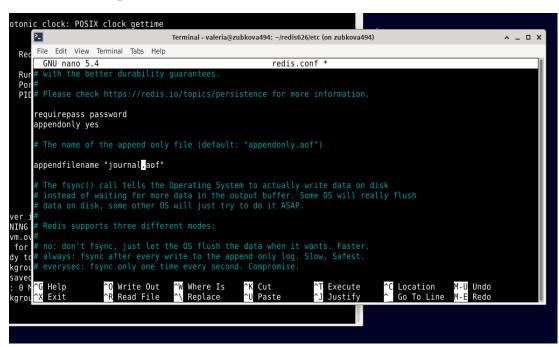
# The default should be 'clients' but since it currently affects cluster # resharding via MIGRATE, it is temporarily set to 'no' by default.

# sanitize-dump-payload no

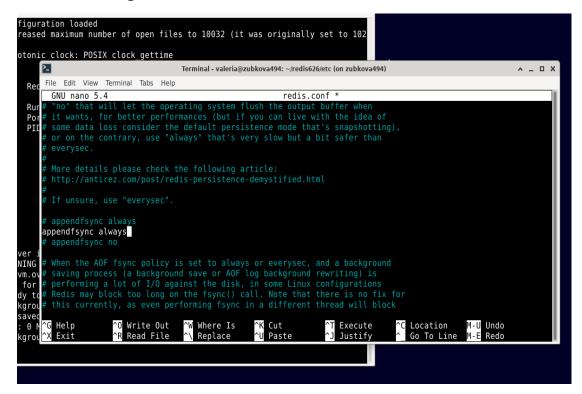
# The filename where to dump the DB dbfilename main.rdb

# Remove RDB files used by replication in instances without persistence # enabled. By default this option is disabled, however there are environments ver if where for regulations or other security concerns, RDB files persisted on NING # disk by masters in order to feed replicas, or stored on disk by replicas vm.ou# in order to load them for the initial synchronization, should be deleted for # ASAP. Note that this option ONLY WORKS in instances that have both AOF dy td# and RDB persistence disabled, otherwise is completely ignored. kgrou # Savec 10 NG Help NG Write Out NG Where Is NG Cut NG Execute NG Location NG-E Redo NG Replace NG Paste NG Justify NG To Line NG-E Redo NG Replace NG Paste NG Justify NG To Line NG-E Redo NG Replace NG Paste NG Justify NG To Line NG-E Redo NG NG To Line NG-E Redo NG NG Exit NG Read File NG Replace NG Paste NG Justify NG To Line NG-E Redo
```

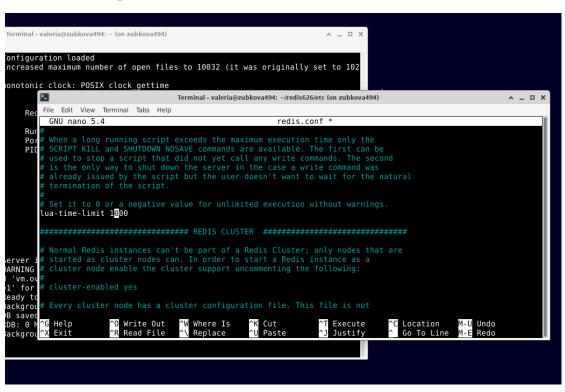
## Дальнешая настройка etc.conf



### Дальнешая настройка etc.conf



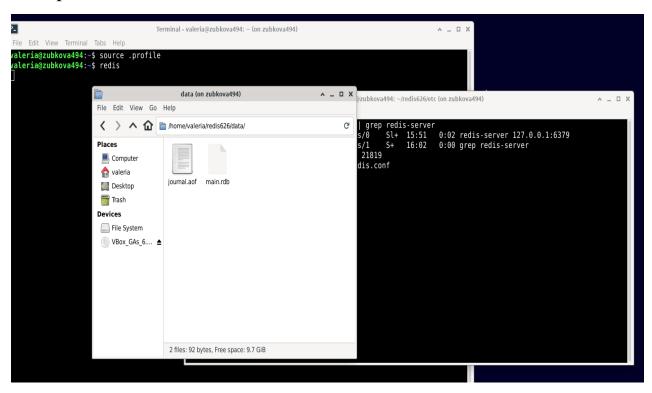
## Дальнешая настройка etc.conf



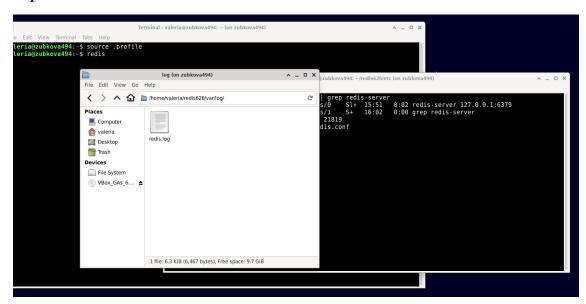
### Дальнешая настройка etc.conf

```
iguration loaded
eased maximum number of open files to 10032 (it was originally set to 102
tonic clock: POSIX clock_gettime
                                                 Terminal - valeria@zubkova494: ~/redis626/etc (on zubkova494)
                                                                                                                                                        ^ _ 🗆 X
       File Edit View Terminal Tabs Help
 Rec
                                                                                redis.conf *
        GNU nano 5.4
 Por
      # Set bio threads to cpu affinity 1,3:
# bio_cpulist 1,3
      # Set aof rewrite child process to cpu affinity 8,9,10,11:
# aof_rewrite_cpulist 8-11
        that the system is in bad state, it is possible to suppress these warnings by setting the following config which takes a space delimited list of warnings
ING
m.o\
      # ignore-warnings ARM64-COW-BUG
dir /home/valeria/redis626/data
grou
                               Write Out
Read File
                                                                        ^K Cut
^U Paste
                                                                                                                   ^C Location
^ Go To Lir
                                                      Where Is
          Exit
                                                                                                 Justify
                                                                                                                      Go To Line
```

### Содержимое папки data



#### Содержимое папки var



### Отображаем последние события из лога

```
Terminal -valeria@zubkova494:~/redis626 (on zubkova494)

File Edit View Terminal Tabs Help

Valeria@zubkova494:~/redis6265 head -10 var/log/redis.log

21883:C 08 Feb 2023 16:20:15.815 # o00000000000 Redis is starting o00000000000 modified=0, pid=21883, jus t started

21883:C 08 Feb 2023 16:20:15.815 # Configuration loaded

21883:M 08 Feb 2023 16:20:15.816 * Increased maximum number of open files to 10032 (it was originally set to 1024).

21883:M 08 Feb 2023 16:20:15.816 * monotonic clock: POSIX clock gettime

21883:M 08 Feb 2023 16:20:15.816 * Running mode=standalone, port=6379.

21883:M 08 Feb 2023 16:20:15.817 # Server initialized

21883:M 08 Feb 2023 16:20:15.817 # WARNING overcommit_memory is set to 0! Background save may fail under low memory condition. To fix this issue add 'um.overcommit_memory = 1' to /etc/sysctl.conf and then reboot or r un the command 'sysctl vm.overcommit_memory=' 1' to take effect.

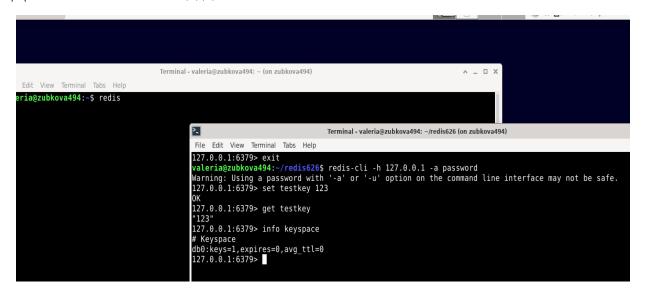
21883:M 08 Feb 2023 16:20:15.817 * Ready to accept connections

21883:signal-handler (167582153) Received SIGINT scheduling shutdown...

valeria@zubkova494:-/redis6265
```

# Отображение статистики через redis-cli

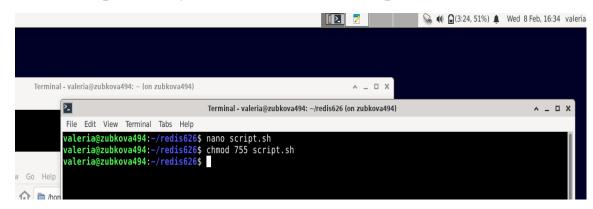
#### Добавление и вывод данных из redis-cli



# Содержание bash скрипта

```
💫 • (3:20, 50%) 🛕 Wed 8 Feb, 16:36 valeria
rminal - valeria@zubkova494: ~ (on zubkova494)
                                                    Terminal - valeria@zubkova494: ~/redis626 (on zubkova494)
       File Edit View Terminal Tabs Help
        GNU nano 5.4
                                                                                  script.sh
      #!/usr/bin/sh
t1=0
               (true) do
Help
            t2=$(date +%S)
if ["$ti" != "$t2"]
                  \label{local_command} $$ \c command=$\{redis-cli -a password get test\} > /dev/null if ["$command" != ""] $$
                       echo $var
 redi:
                       command=$(date + %H:%M:%S-%d.%m.%Y)
{redis-cli -a password set test $var1 EX 3) > /dev/null
                       echo SET
echo $command
            t1=$t2
```

Установка прав доступа для исполнения скрипта.



### Пример выполнения скрипта

