

1. Запуск putty



2. Команда screen и команда w

```
GNU Screen version 4.09.00 (GNU) 30-Jan-22

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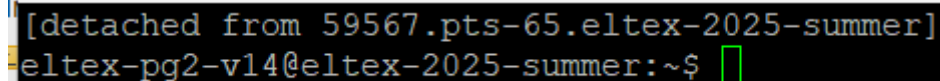
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this program (see the file COPYING); if not, see
https://www.gnu.org/licenses/, or contact Free Software Foundation, Inc., 51
Franklin Street, Fifth Floor, Boston, MA 02111-1301 USA.

Send bugreports, fixes, enhancements, t-shirts, money, beer & pizza to
screen-devel@gnu.org

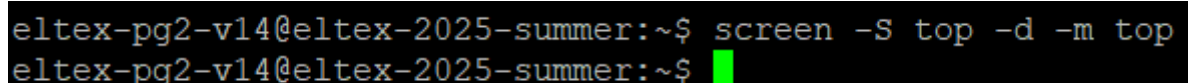
Capabilities:
+copy +remote-detach +power-detach +multi-attach +multi-user +font +color-256
+utf8 +rxvt +builtin-telnet

[Press Space or Return to end.]
```

Ctrl + a, d чтобы отключиться



3. screen -s top -d -m top



4. Screen -ls

```

eltex-pg2-v14@eltex-2025-summer:~$ screen -ls
There are screens on:
      68353.top                (10/09/2025 07:51:06 PM)                (Detached)
      64242.pts-65.eltex-2025-summer (10/09/2025 07:45:55 PM)                (Detached)
      62409.pts-65.eltex-2025-summer (10/09/2025 07:43:33 PM)                (Detached)
      59567.pts-65.eltex-2025-summer (10/09/2025 07:38:20 PM)                (Detached)
      58593.pts-65.eltex-2025-summer (10/09/2025 07:35:55 PM)                (Detached)
5 Sockets in /run/screen/S-eltex-pg2-v14.
eltex-pg2-v14@eltex-2025-summer:~$ █

```

5. Screen -r top

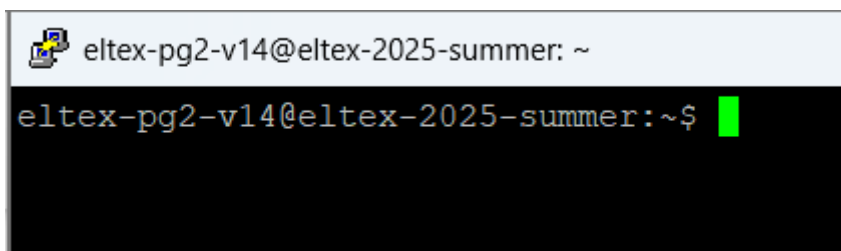
```

eltex-pg2-v14@eltex-2025-summer:~$ screen -r top
top - 19:53:15 up 4:15, 68 users, load average: 0.65, 0.32, 0.12
Tasks: 529 total, 1 running, 518 sleeping, 10 stopped, 0 zombie
%Cpu(s): 1.9 us, 2.8 sy, 0.0 ni, 95.0 id, 0.1 wa, 0.0 hi, 0.2 si, 0.0 st
MiB Mem : 3914.7 total, 1761.1 free, 1710.3 used, 669.4 buff/cache
MiB Swap: 976.0 total, 976.0 free, 0.0 used, 2204.4 avail Mem

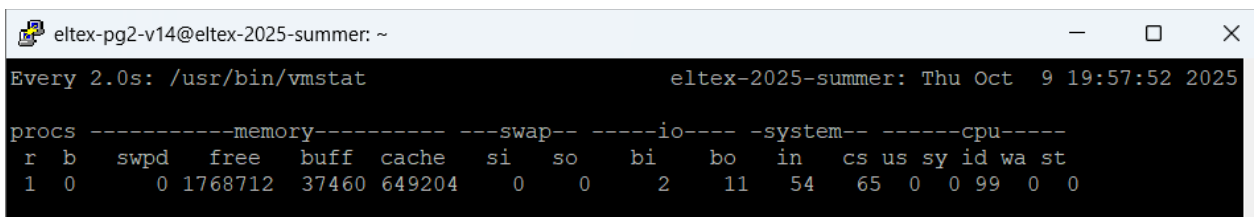
  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM     TIME+ COMMAND
 20043 eltex-p+  20   0  11644   5492  3344  S   0.7   0.1   0:06.81 top
   6902 tech     20   0  11640   5404  3252  S   0.3   0.1   0:07.91 top
 12808 eltex-p+  20   0  11644   5492  3344  S   0.3   0.1   0:08.31 top
 50322 eltex-p+  20   0  39112  20668 13892  S   0.3   0.5   0:01.29 code-360a4e4fd2
 50347 eltex-p+  20   0  52.3g  636140 54372  S   0.3  15.9   0:08.70 node
 60161 eltex-p+  20   0   8964   3232  1940  S   0.3   0.1   0:00.04 screen

```

6. Ctrl+a, c



7. - 8. Watch /usr/bin/vmstat



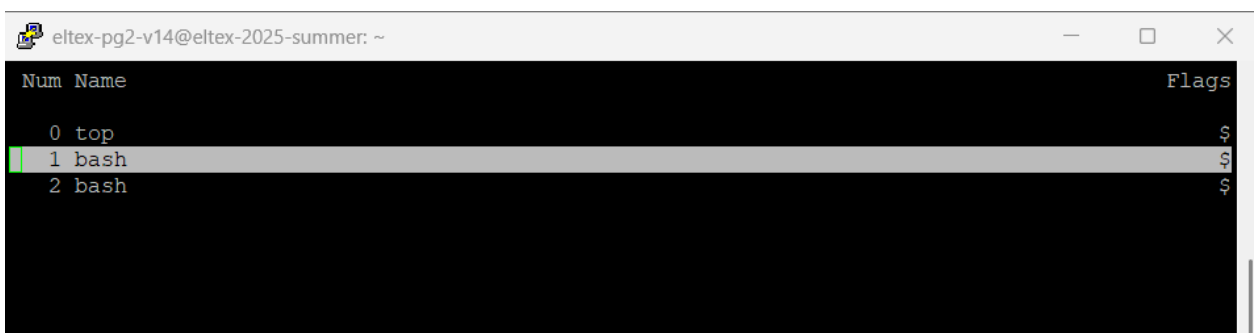
```

Every 2.0s: /usr/bin/vmstat                eltex-2025-summer: Thu Oct 9 19:57:52 2025

procs -----memory----- --swap--  -----io----- -system--  -----cpu-----
 r b  swpd   free   buff  cache   si   so    bi    bo    in   cs us sy id wa st
 1  0      0 1768712  37460 649204    0    0     2    11   54   65  0  0 99  0  0

```

9. ctrl+a, "



```

Num Name                               Flags
 0 top                                  $
 1 bash                                  $
 2 bash                                  $

```

10. ctrl+a, "

```
eltex-pg2-v14@eltex-2025-summer: ~
Every 2.0s: /usr/bin/vmstat                               eltex-2025-summer: Thu Oct  9 20:00:48 2025

procs -----memory----- --swap-- -----io----- -system-- -----cpu-----
r  b   swpd   free   buff  cache   si   so    bi    bo    in   cs us  sy id wa st
1  0         0 1776916 37956 649936    0    0     2    11   55   66  0  0 99  0  0

Set window's title to: vmstat
```

```
eltex-pg2-v14@eltex-2025-summer: ~

Num Name
0 top
1 bash
2 vmstat
```

11. ctrl+a, “

```
eltex-pg2-v14@eltex-2025-summer: ~

top - 20:03:37 up 4:25, 86 users, load average: 0.08, 0.30, 0.21
Tasks: 565 total, 1 running, 551 sleeping, 13 stopped, 0 zombie
%Cpu(s): 0.6 us, 0.7 sy, 0.0 ni, 98.4 id, 0.0 wa, 0.0 hi, 0.2 si, 0.0 st
MiB Mem : 3914.7 total, 1733.9 free, 1735.1 used, 672.3 buff/cache
MiB Swap: 976.0 total, 976.0 free, 0.0 used. 2179.6 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR S  %CPU  %MEM    TIME+  COMMAND
 71578 eltex-p+  20   0  11640   5500  3348 S   0.7   0.1   0:00.82 top
 74643 eltex-p+  20   0   8136   5016  3580 S   0.7   0.1   0:00.02 bash
  5436 eltex-p+  20   0  11652   5480  3332 S   0.3   0.1   0:09.33 top
  5977 eltex-p+  20   0  11640   5308  3164 S   0.3   0.1   0:08.82 top
20043 eltex-p+  20   0  11644   5492  3344 S   0.3   0.1   0:07.90 top
50347 eltex-p+  20   0 52.3g 636244 54372 S   0.3  15.9   0:09.77 node
62484 eltex-p+  20   0  11624   5496  3344 S   0.3   0.1   0:01.97 top
62704 eltex-p+  20   0  11616   5444  3292 S   0.3   0.1   0:02.04 top
65947 eltex-p+  20   0  11828   5424  3276 S   0.3   0.1   0:01.65 top
68021 eltex-p+  20   0  11640   5548  3404 S   0.3   0.1   0:01.29 top
68306 eltex-p+  20   0  11640   5396  3244 S   0.3   0.1   0:01.34 top
68354 eltex-p+  20   0  11800   5452  3308 R   0.3   0.1   0:01.35 top
69852 eltex-p+  20   0  11640   5376  3220 S   0.3   0.1   0:01.11 top
75511 eltex-p+  20   0  11656   5460  3308 S   0.3   0.1   0:00.28 top
    1 root      20   0 168828  13300  9184 S   0.0   0.3   0:01.28 systemd
    2 root      20   0     0     0     0 S   0.0   0.0   0:00.00 kthreadd
```

12. ctrl+a, d

```
eltex-pg2-v14@eltex-2025-summer: ~  
[detached from 68353.top]  
eltex-pg2-v14@eltex-2025-summer:~$
```

13. `screen -S vi -d -m vi report_part.txt`

```
eltex-pg2-v14@eltex-2025-summer: ~  
[detached from 68353.top]  
eltex-pg2-v14@eltex-2025-summer:~$ screen -S vi -d -m vi report_part.txt
```

14. `screen -ls`

```
[detached from 68353.top]  
eltex-pg2-v14@eltex-2025-summer:~$ screen -S vi -d -m vi report_part.txt  
eltex-pg2-v14@eltex-2025-summer:~$ screen -ls  
There are screens on:  
79224.vi (10/09/2025 08:06:02 PM) (Detached)  
68353.top (10/09/2025 07:51:06 PM) (Detached)  
64242.pts-65.eltex-2025-summer (10/09/2025 07:45:55 PM) (Detached)  
62409.pts-65.eltex-2025-summer (10/09/2025 07:43:33 PM) (Detached)  
59567.pts-65.eltex-2025-summer (10/09/2025 07:38:20 PM) (Detached)  
58593.pts-65.eltex-2025-summer (10/09/2025 07:35:55 PM) (Detached)  
6 Sockets in /run/screen/S-eltex-pg2-v14.  
eltex-pg2-v14@eltex-2025-summer:~$
```

15. `logout`


```
eltex-pg2-v14@eltex-2025-summer:~$ logout
```

Это закрыло PuTTY

16. `screen -ls`

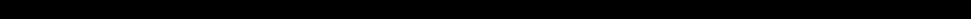
```
eltex-pg2-v14@eltex-2025-summer:~$ screen -ls  
There are screens on:  
79224.vi (10/09/2025 08:06:02 PM) (Detached)  
68353.top (10/09/2025 07:51:06 PM) (Detached)  
64242.pts-65.eltex-2025-summer (10/09/2025 07:45:55 PM) (Detached)  
62409.pts-65.eltex-2025-summer (10/09/2025 07:43:33 PM) (Detached)  
59567.pts-65.eltex-2025-summer (10/09/2025 07:38:20 PM) (Detached)  
58593.pts-65.eltex-2025-summer (10/09/2025 07:35:55 PM) (Detached)  
6 Sockets in /run/screen/S-eltex-pg2-v14.  
eltex-pg2-v14@eltex-2025-summer:~$
```

17. `screen -r vi`

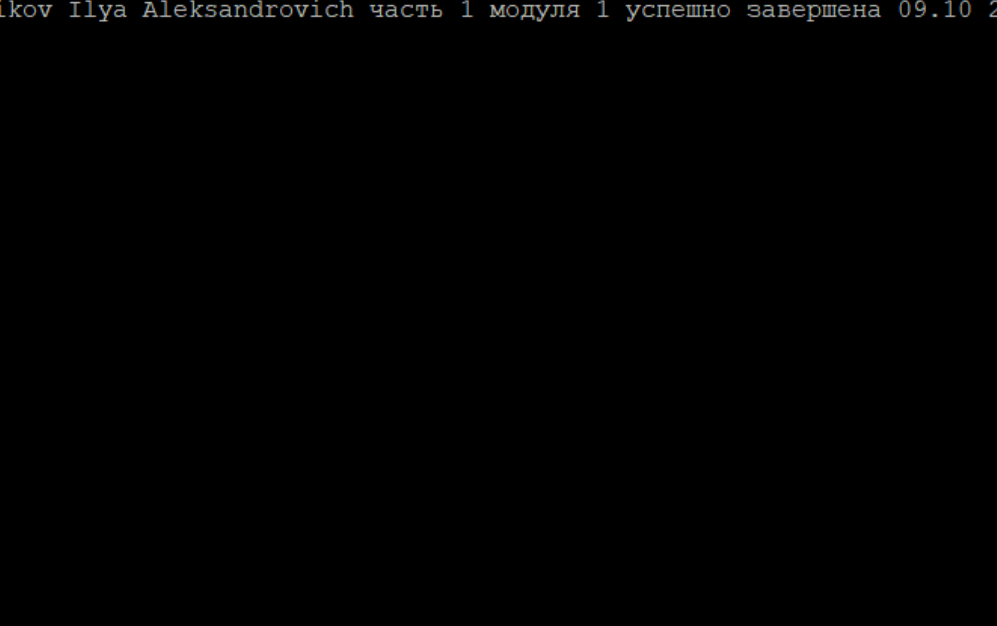
A screenshot of a terminal window. The title bar at the top reads "eltex-pg2-v14@eltex-2025-summer: ~". On the left side of the terminal, there is a vertical column of approximately 18 blue tilde (~) characters. At the bottom of the window, a status bar displays three pieces of information: "\"report part.txt\" [New]" on the left, "0,0-1" in the center, and "All" on the right.A terminal window with a light blue title bar. The title bar contains a small icon on the left, the text "eltex-pg2-v14@eltex-2025-summer: ~", and standard window controls (minimize, maximize, close) on the right. The terminal area has a black background with white text. The text reads: "Tolokonnikov Ilya Aleksandrovich часть 1 модуля 1 успешно завершена 09.10 20:11".

eltex-pg2-v14@eltex-2025-summer: ~

Tolokonnikov Ilya Aleksandrovich часть 1 модуля 1 успешно завершена 09.10 20:11

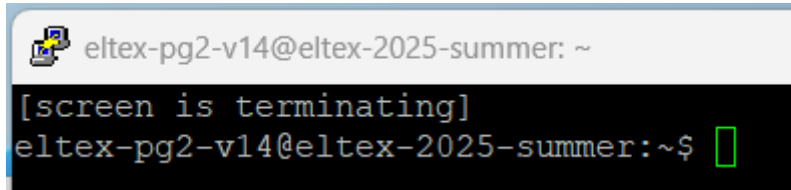


The screenshot shows a terminal window with a dark background. The title bar at the top reads "eltex-pg2-v14@eltex-2025-summer: ~". The terminal content displays the message "Tolokonikov Ilya Aleksandrovich часть 1 модуля 1 успешно завершена 09.10 20:11" in a monospaced font. Below this message, there is a green cursor on the line ":q", and two tilde symbols "~" on the following lines.



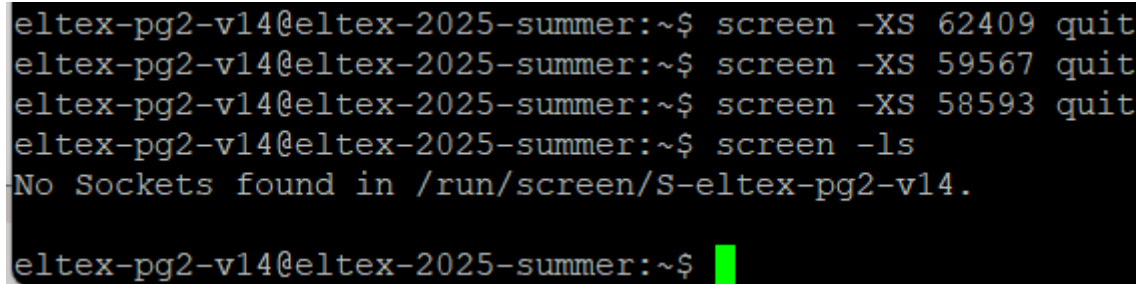
The screenshot shows a terminal window with a light blue title bar. The title bar contains the text "eltex-pg2-v14@eltex-2025-summer: ~" on the left and standard window control buttons (minimize, maximize, close) on the right. The terminal area has a black background. The first line of text, in a light blue monospaced font, reads: "Толокоников Ilya Aleksandrovich часть 1 модуля 1 успешно завершена 09.10 20:11". Below this line, there are several lines of blue tilde (~) characters, which appear to be a decorative or placeholder text. At the bottom left of the terminal, there is a green cursor block followed by a single character that looks like a lowercase 'a'.

Перед этим не забыв :w для записи и :q для выхода

A terminal window with a title bar. The title bar contains a small icon and the text 'eltex-pg2-v14@eltex-2025-summer: ~'. The terminal content shows '[screen is terminating]' followed by the prompt 'eltex-pg2-v14@eltex-2025-summer:~\$' and a green cursor.

```
eltex-pg2-v14@eltex-2025-summer: ~  
[screen is terminating]  
eltex-pg2-v14@eltex-2025-summer:~$
```

18. закрыть все сессии screen

A terminal window showing the execution of 'screen -XS' commands to kill sessions. The output shows the PID of each session being killed. The 'screen -ls' command shows no active sessions. The prompt is 'eltex-pg2-v14@eltex-2025-summer:~\$' with a green cursor.

```
eltex-pg2-v14@eltex-2025-summer:~$ screen -XS 62409 quit  
eltex-pg2-v14@eltex-2025-summer:~$ screen -XS 59567 quit  
eltex-pg2-v14@eltex-2025-summer:~$ screen -XS 58593 quit  
eltex-pg2-v14@eltex-2025-summer:~$ screen -ls  
No Sockets found in /run/screen/S-eltex-pg2-v14.  
  
eltex-pg2-v14@eltex-2025-summer:~$
```