

Lab 1.4: E-poll questionnaire

Due **Points** 7 **Questions** 7 **Time limit** None
Allowed attempts Unlimited

Instructions

Information about lab 1.4 related to this questionnaire can be found at the [Labs Part 1 page](#).

Take the quiz again

Attempt	Time	Score

❗ Correct answers are hidden.

Score for this attempt: 7 out of 7

Question 1

1 / 1 pts

Which of the following system calls should be used on a GNU/Linux server handling more than 10000 connections simultaneously:

☒ epoll

☐ poll

☐ select

☐ None of them

Question 2

1 / 1 pts

What is the problem with select()?

☐ It's implementation in the kernel is slow.

☐ Serving one connection involves all the open connection on the server.

☐ It does not scale well with the number of open connections.

☒ All of the above.

Question 3

1 / 1 pts

What are the issues with epoll?

☐ Not portable

☐ Requires one fd

☐ epoll limits the number of watched sockets per user

☒ All of the above

Question 4**1 / 1 pts**

What is the time complexity of serving one connection on a server with N open connections that is implemented with `select()`?

- ☐ $O(1)$
- ☒ $O(N)$
- ☐ $O(N^{**2})$
- ☐ None of the above.

Question 5**1 / 1 pts**

What is the time complexity of serving one connection on a server with N open connections that is implemented with `epoll()`?

- ☒ $O(1)$
- ☐ $O(N)$
- ☐ $O(N^{**2})$
- ☐ None of the above.

Question 6**1 / 1 pts**

To be notified of events only when a file descriptor changes its status I should use `epoll` in...

☒ Edge-triggered mode

☐ Level-triggered mode

☐ Either of them

☐ None of them

Question 7

1 / 1 pts

To avoid automatically reenabling events for a socket after being notified when using epoll I should use the flag...

☒ EPOLLONESHOT

☐ EPOLLET

☐ EPOLLWAKEUP

☐ None of them

Quiz score: **7** out of 7