

✔ Congratulations! You passed!

Grade received **100%** To pass 80% or higher[Go to next item](#)

1. What is part of the final step when problem solving?

1 / 1 point

- ☐ Documentation
- ☒ Long-term remediation
- ☐ Finding the root cause
- ☐ Gathering information

✔ **Correct**

Nice job! Long-term remediation is part of the final step when problem solving.

2. Which tool can you use when debugging to look at library calls made by the software?

1 / 1 point

- ☐ top
- ☐ strace
- ☐ tcpdump
- ☒ ltrace

✔ **Correct**

Keep it up! the ltrace tool is used to look at library calls made by the software.

3. What is the first step of problem solving?

1 / 1 point

- ☐ Prevention
- ☒ Gathering information
- ☐ Long-term remediation
- ☐ Finding the root cause

✔ **Correct**

Right on! Gathering information is the first step taken when problem solving.

4. What software tools are used to analyze network traffic to isolate problems? (Check all that apply)

1 / 1 point

- ☒ tcpdump

✔ **Correct**

Nice work! The tcpdump tool is a powerful command-line analyzer that captures or "sniffs" TCP/IP packets.

- ☒ wireshark

✔ **Correct**

Excellent! Wireshark is an open source tool for profiling network traffic and analyzing TCP/IP packets.

☐ strace

☐ top

5. The strace (in Linux) tool allows us to see all of the _____ our program has made.

1 / 1 point

☐ Network traffic

☐ Disk writes

☒ System calls

☐ Connection requests

✓ **Correct**

Awesome! The strace command shows us all the system calls our program made. System calls are the calls that the programs running in our computer make to the running kernel.