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- *To prevent this:*
  - *Minimize the interactions of the debugger with J-Link while the target is running. (e.g. disable live watches)*
  - *Select a higher interface speed in all instances connected to J-Link. (e.g. the debugger and SystemView)*
  - *Choose a larger buffer for SystemView. (1 - 4 kByte)*
  - *Run SystemView stand-alone without a debugger. "*

- **Solution #2: fixes that might be effective with the book's example programs**
  - Run SystemView Recorder without the Ozone debugger
    - Use Ozone to load the program and start it. Then, stop the debugger before starting SystemView Recorder
  - Reduce the number of calls to `SEGGER_SYSVIEW_PrintfHost()`.
  - Set a larger RTT buffer-size, in `SEGGER_SYSVIEW_Conf.h`.
    - Values that might work are: 10000 and 32000

```
#define SEGGER_SYSVIEW_RTT_BUFFER_SIZE      6144
```

4.3 SystemView problem: session hangs

- Problem:
  - SystemView hung once, after running for 14 minutes.
  - The problem may be due to using an incorrect "`Target Interface Speed`" (frequency), in the SystemView configuration.
- Solution:
  - More info is in the study-guide's web page for Chapters 4-6, under the list-item:
    - "**Bug** in book (possible bug), page 144"

4.4 SystemView bug: does not open or exit properly

- Problem:
  - It appears there are situations in which SystemView does not exit properly, and
  - This can cause problems such as:
    - SystemView cannot be closed
    - SystemView cannot be opened
    - When starting an Ozone debug-session, Ozone may hang and the debug-session does not fully start.
- Solution:
  - Disconnect the USB cable for the board
  - Open Task Manager and end these tasks, if present:
    - `SystemView`
    - `JLinkGUIServer.exe`
- Problem details:
  - When this problem has occurred, it appeared to be when closing SystemView after encountering problems, such as hanging, or failing to connect.

4.5 Console output for a successful recorder start-up

If SystemView's Recorder does not start successfully, this section can be used as a reference, for troubleshooting.

- From the book's Chapter 6, in the section "Using SystemView" (page 144)

```
11:27:16 - SEGGER SystemView V3.20 started @ 25. Jan 2021 11:27:16
11:27:16 - Loading C:/Program
Files/SEGGER/SystemView/Sample/OS_IP_WebServer.SVDat
11:27:16 - TRACE START Event recorded.
11:27:21 - JLink: Device "STM32F767ZI" selected.
11:27:21 - JLink: Found SW-DP with ID 0x9BA02477
11:27:21 - JLink: Found SW-DP with ID 0x9BA02477
11:27:21 - JLink: DPv0 detected
11:27:21 - JLink: Scanning AP map to find all available APs
11:27:21 - JLink: AP[1]: Stopped AP scan as end of AP map has been reached
11:27:21 - JLink: AP[0]: AHB-AP (IDR: 0x74770001)
11:27:21 - JLink: Iterating through AP map to find AHB-AP to use
11:27:21 - JLink: AP[0]: Core found
11:27:21 - JLink: AP[0]: AHB-AP ROM base: 0xE00FD000
11:27:21 - JLink: CPUID register: 0x411FC270. Implementer code: 0x41 (ARM)
11:27:21 - JLink: Found Cortex-M7 r1p0, Little endian.
11:27:21 - JLink: FPUnit: 8 code (BP) slots and 0 literal slots
11:27:21 - JLink: CoreSight components:
11:27:21 - JLink: ROMTbl[0] @ E00FD000
```