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```
For the downloaded files that are specified below, copy and paste them, to replace the old files at: C:\projects\packtBookRTOS\Middleware\Third Party\SEGGER
```

```
• From SystemView_Src_V330\SEGGER\
SEGGER_SYSVIEW_Int.h
SEGGER_SYSVIEW_ConfDefaults.h
SEGGER_SYSVIEW.h
SEGGER_SYSVIEW.c
SEGGER_RTT_printf.c
SEGGER_RTT_ASM_ARMv7M.S
SEGGER_RTT.h
SEGGER_RTT.c
SEGGER_RTT.c
SEGGER.h
```

```
• From SystemView_Src_V330\SEGGER\Syscalls\SEGGER_RTT_Syscalls_SES.c
```

```
SEGGER RTT Syscalls KEIL.c
SEGGER RTT Syscalls IAR.c
SEGGER RTT Syscalls GCC.c
```

```
• From: SystemView_Src_V330\Sample\FreeRTOSV10\SEGGER_SYSVIEW_FreeRTOS.h
SEGGER SYSVIEW FreeRTOS.c
```

- From: SystemView_Src_V330\Sample\FreeRTOSV10\Config\Cortex-M\SEGGER SYSVIEW Config_FreeRTOS.c
- From: SystemView_Src_V330\Config\SEGGER_RTT_Conf.h
 Global.h

3.2 Upgrading instances of SEGGER_SYSVIEW_Conf.h

For the book's system, each chapter-folder has a SystemView config-file, SEGGER_SYSVIEW_Conf.h It is in the Inc sub-folder, e.g., for Chapter 10:

```
{\tt C:\projects\packtBookRTOS\Chapter\_10\Inc\SEGGER\_SYSVIEW\_Conf.h}
```

It appears that those config-files were copied from the SEGGER_SYSVIEW_Conf.h file in the Target-Sources version 2.52h. And, the following macro definition was added to each config-file. However, the macro's value differs among the config-files.

```
#define SEGGER SYSVIEW RTT BUFFER SIZE 10240
```

To upgrade the config-files:

For each config-file in the chapter-folders, use a diff to identify changes relative to the file provided in the Target Sources version 2.52h. This requires downloading Target-Sources version 2.52h.

For each chapter-folder, replace the existing config-file with the upgraded config-file from

• SystemView_Src_V330\Config\SEGGER_SYSVIEW_Conf.h

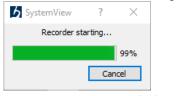
And, in each upgraded config-file, add any changes found via the diff, including the macro shown above.

4 SystemView troubleshooting: problems, and a bug

This section describes two problems encountered in using SystemView, and a SystemView bug. Also included is the console output from a successful start-up of the SystemView Recorder. In diagnosing SystemView start-up problems, that console output can be useful for comparison.

4.1 SystemView problem: Start-Recording hangs and does not start

- Problem
 - o After clicking on "Start Recording", SystemView hangs and does not start
 - Messages include:
 - "Recorder starting..." hangs at 99%



https://jimyuill.com/embedded-systems/study-guide-freertos-book/SystemView.html