HOW TO RUN SEGGER WITH FREERTOS V11

**Pre request:**1. FreeRTOS V11.0.1 [or newer]

2. SystemView and SystemView Target Source

[https://www.segger.com/downloads/systemview/ ]

3. J link [https://www.segger.com/downloads/jlink]

**Step 1:**

Create ThirdParty Folder if already no exists.  
Create a folder called SEGGER  
Copy SEGGER, Config folder [from sysview\_src download] into newly created SEGGER folder.

**Step 2:**

Go to **FreeRTOSConfig.h**

Include these two definitions:

**#define** **INCLUDE\_xTaskGetIdleTaskHandle** 1

**#define** **INCLUDE\_pxTaskGetStackStart** 1

/\* Cortex-M specific definitions. \*/

And at the end of the file include the following

**#include** "SEGGER\_SYSVIEW\_FreeRTOS.h"

**#endif** /\* FREERTOS\_CONFIG\_H \*/

Go to **SEGGER\_SYSVIEW\_ConfDefaults.h**

Change **SEGGER\_SYSVIEW\_CORE** to following:

**#define** **SEGGER\_SYSVIEW\_CORE** SEGGER\_SYSVIEW\_CORE\_CM3

Now you can change the following line or not, depends on you.

**#define** **SEGGER\_SYSVIEW\_RTT\_BUFFER\_SIZE** 1024

If you change the buffer Size, you can make it (1024\*4)

In **Main.c** add under /\* USER CODE BEGIN 2 \*/ line:

**SEGGER\_SYSVIEW\_Conf**();

**SEGGER\_SYSVIEW\_Start**();

**Step 3:**

Include Paths:

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In MCU GCC Assembler>Include paths, Include  
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SEGGER folder structure looks like this:  
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Finally use debug to view the tasks:  
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