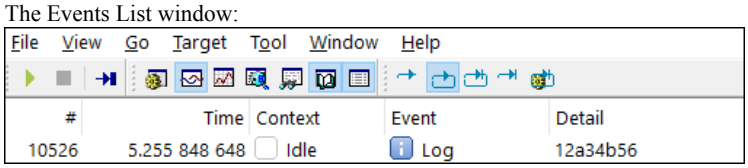
The Events List window:



In displaying the output-string, stopping at a binary-zero before the final null-terminator is a bug, in our assessment. The reason is that `printf()` does not do that on canonical systems, e.g., Ubuntu's terminal. Instead, the whole output-string is displayed, up to, but not including, the final null-terminator. Non-printable characters are not displayed (e.g., 0x00).

The following call to `printf()` uses the same arguments that were used above with `S...PrintfHost()`:

```
char ca = 'a'; char cb = 'b'; char c0 = 0;
printf("12%c34%c56%c78", ca, cb, c0);
```

The output on a Ubuntu terminal is below. It displays the output-string's last two characters ("78"), whereas the SystemView app doesn't.

```
12a34b5678
```

The bug could be fixed by altering SystemView to display the output-string the same way `printf()` does on a Ubuntu terminal. An alternative fix is to update the SystemView *Users Guide* to specify that output-strings are not displayed after the first binary zero.

1.3.4 "%s" use incorrectly described in a SystemView forum post

- **Bug**: In Segger's forum on SystemView, there is a post on how to use "%s", but it is incorrect.

The post is here:
https://forum.segger.com/index.php/Thread/7832-SOLVED-SystemView-fail-to-print-s/?postID=28792

The post says `S...PrintfHost()` can use the "%s" format-placeholder if the following config-macro is specified. The config-macro is for the SystemView Target-Sources.
`#define SEGGER_SYSVIEW_PRINTF_IMPLICIT_FORMAT 1`

I'm pretty sure this config-macro doesn't result in the "%s" format-placeholders being processed:
- It didn't work when I tried it with the *SystemView Target Sources* versions 2.52h and 3.30.
- I looked at the related *Target Sources* source-code, and it appears that the "%s" format-placeholders are not formatted anywhere.
- I could not find any SystemView documentation on using that config-macro, e.g., it's not in the *User Guide*, nor is it described in the Target-Sources source-code.

Problem analysis:

The config-macro's default is 0, and it is defined in `SEGGER_SYSVIEW_ConfDefaults.h`. The default can be over-ridden by setting the config-macro to 1 in `SEGGER_SYSVIEW_Conf.h`.

The config-macro is referenced in the Target-Sources file `SEGGER_SYSVIEW.c`. It is used in these functions: `_VPrintHost()` and `_VPrintTarget()`.

When `S...PrintfHost()` is called using "%s", it normally sends the arguments to the SystemView app. This processing is done by `_VPrintHost()`. Setting that config-macro to 1 causes the arguments to be formatted on the board instead. That processing is done by `_VPrintTarget()`. However, `_VPrintTarget()` has no code for processing "%s".

2 SystemView Recorder: primary windows, and timestamps

This section describes the SystemView Recorder:
- The three primary windows: Events List, Terminal and Timeline.
- The timestamps used in those windows

The three primary windows are identified in the screenshot below.