

Access the new BAM Driver/Command Filters option from the top BAM menu

The screenshot shows the BAM by SCSI Toolbox application window. The title bar reads "BAM by SCSI Toolbox, LLC". The menu bar includes "File", "Edit", "View", "Help", and "Filters". The toolbar contains several icons, including a green play button, a mouse cursor, and a wrench. Below the toolbar is a table with the following columns: Ctr, Device, Phase Ty, Data, Data Length, Delta, and Driver. The table contains several rows of data, with some rows having a yellow background and the word "unknown" in the Driver column. Two callout boxes are present: one pointing to the Filters menu and another pointing to the "unknown" driver entries.

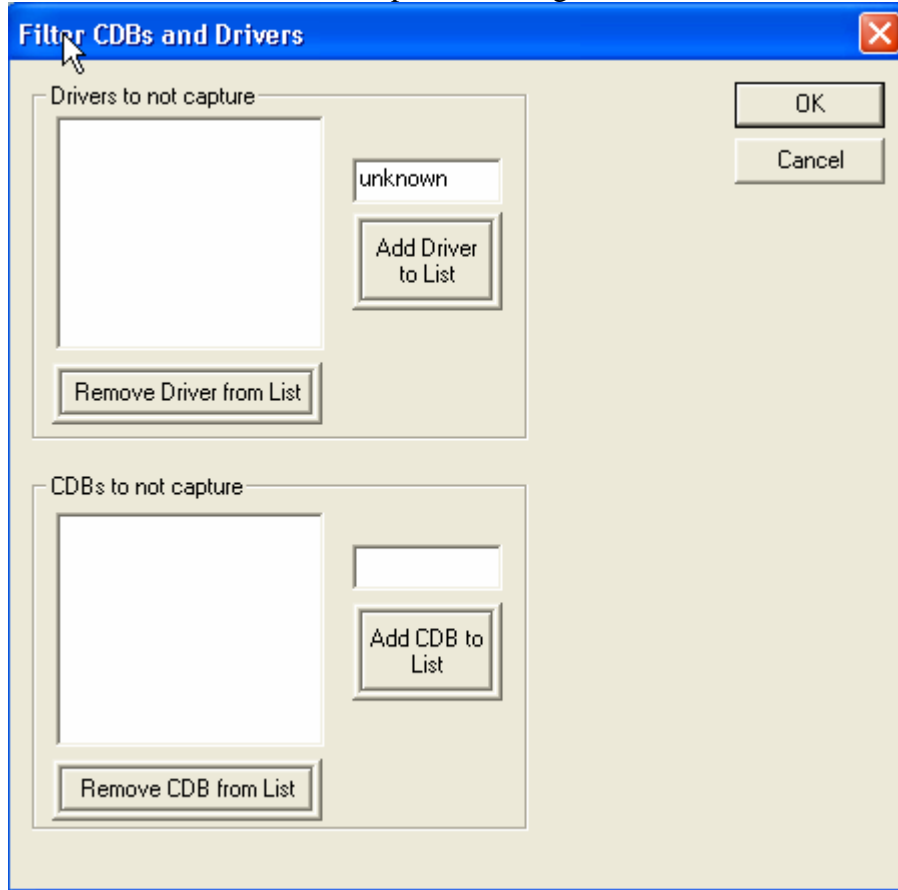
Ctr	Device	Phase Ty	Data	Data Length	Delta	Driver
9	0:0:0:0	Data In	5E 00 00 00 00	8 Bytes	895 us	
10	0:0:0:0	CDB	00 00 5A 00 00 00 08 00	10 Bytes	999.1 ms	unknown
11	0:0:0:0	Data In	00 06 01 5E 00 00 00 00	8 Bytes	889 us	
12	0:0:0:0	CDB	4A 01 00 00 5A 00 00 00 08 00	10 Bytes	999.1 ms	unknown
13	0:0:0:0	Data In	00 06 01 5E 00 00 00 00	8 Bytes	1.2 ms	
14	0:0:0:0	CDB	4A 01 00 00 5A 00 00 00 08 00	10 Bytes	999.1 ms	unknown
15	0:0:0:0	Data In	00 06 01 5E 00 00 00 00	8 Bytes	1.2 ms	
16	0:0:0:0	CDB	4A 01 00 00 5A 00 00 00 08 00	10 Bytes	999.1 ms	unknown
17	0:0:0:0	Data In	00 06 01 5E 00 00 00 00	8 Bytes	1.2 ms	

Callout 1: We will use the powerful Filter functions to obtain a much more readable and useful trace. Just Click on the Filters menu choice.

Callout 2: An unknown driver is issuing 0x4A "Get Event Status Notificaion" commands to the monitored device. We don't care about these, and we don't want our trace filled with all this.

In this example there is a driver named "unknown" which is occasionally sending CDB's to the device. We will use a Driver filter to tell BAM to ignore any I/O generated by "unknown". Another common driver that likes to occasionally poke peripherals is "plug-n-play"

Use the Define Filters to set up our filtering constraints.



Typing the driver name in then clicking the Add Driver to List will tell BAM to ignore all I/O. In this exable we have typed in “unknown” and would then click the Add Driver to List.

Now you can see that there is less command “clutter” in the trace capture.

In the same was as filtering on Drivers, BAM can filter on specific commands issued from any driver. In this next example we will filter out all 0x02 and 0x4A CDB’s:

