

DS50 Capture Log

Version: V1.00

Version update record

Serial number	Version	Date	Modification record	Author	Reviewer
1	V1.00	2025-11-25	Initial version	HGJ	

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1 Capture log instructions

1.1. Ap log

First, check the device port ,open device manage



Select a serial port tool and first send the AT command:`at^TRACECTRL=0,1,2\r\n` to enable the terminal to log. Note that the port should be PORT0 and the baud rate should be 115200. When the AT command returns OK, it means the setting is successful, and the terminal needs to be restarted once.

Extract the log tool from the attachment

名称	修改日期	类型	大小
Fibocom_Windows_ArmTracer_V6.4.5.0(CP LOG).zip	3/28/2024 11:50 AM	WinRAR ZIP 压缩文件	11,090 KB
Fibocom_Windows_CoolTools_V1.1.0.0(AP LOG).zip	3/28/2024 12:00 PM	WinRAR ZIP 压缩文件	71,192 KB
Fibocom_Windows_UpgradeDL_V1.0.6.0(download tool).zip	3/28/2024 11:56 AM	WinRAR ZIP 压缩文件	210,194 KB
Fibocom_Windows_USB_Drivers_V1.1.0.0.zip	3/28/2024 11:50 AM	WinRAR ZIP 压缩文件	19,230 KB
JCHSmartToolKit.rar	5/10/2024 5:08 PM	WinRAR 压缩文件	1,274 KB

名称	修改日期	类型
coolhost.exe	7/22/2022 7:08 PM	应用程序
coolhost_library.dll	7/22/2022 7:08 PM	应用程序扩展
coolpkg.exe	7/22/2022 7:08 PM	应用程序
coolprofile.exe	7/22/2022 7:09 PM	应用程序
cooltrace.dll	7/22/2022 7:09 PM	应用程序扩展
coolwatcher_debughost.exe	7/22/2022 7:09 PM	应用程序
coolwatcher_usb.exe	7/22/2022 7:09 PM	应用程序
coolxml.exe	7/22/2022 7:08 PM	应用程序
FLAMulator.exe	7/22/2022 7:08 PM	应用程序
libelf.dll	7/22/2022 7:07 PM	应用程序扩展
libusb0.dll	3/28/2022 8:22 PM	应用程序扩展

P3.R2.1.001 by 2022-07-22

Profiles

The following list displays the pairs of key/values contained in each of the available profiles.

Five of them are mandatory :

- * softDir : basic directory of your software environment.
- * hardXmd : root XMD file describing the hardware memory map of the chip.
- * softXmd : root XMD file describing the software memory map of the target's code.
- * project : name of the project you're working on.
- * mainScript : main ruby script. Put 'CoolWatcher/cwuser.rb' if you're puzzled.

Key	Value
lastBlueScreenDumpMode	STUB_PERI
lastElfFileName	G:/A_chip/8910/lod/8910C_catm/8910C_catm_em610_V
lastLodForRomburn	
lastcomport	56 ← choose port4
pathToGDB	./cygwin/coolgdb/bin
restartAfterCrashDump	0
tracerSetting	rbase/common/plugins/tracer/default2g.ini

Ok

Log filtering instructions: Enter myap in the input box and press enter to output the system and application logs only.

CoolWatcher Developer with profile 8910

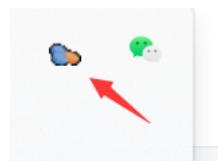
File View Plugins Chip Flash Tracer Tools Help

Trace tool

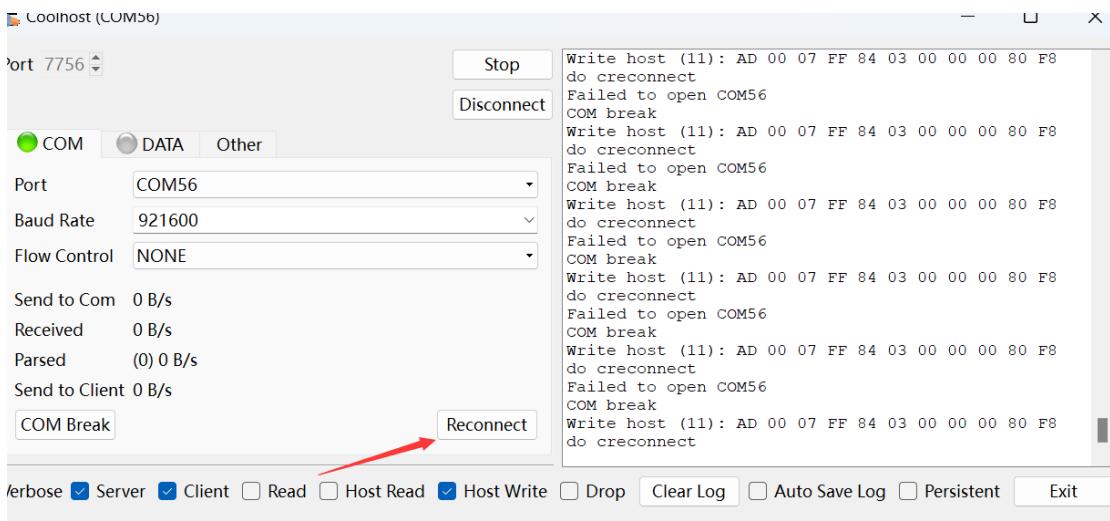
myap

Index	Received	Tick	Level	Description
94288	09:40:35...	64016	FIBO/I	[recv_data:204]-[uartapi]fibo uart recv 64 bytes
94289	09:40:35...	64016	DRV/R/D	DRV UR11 receive 3968, got 0
94290	09:40:35...	64016	FIBO/I	[recv_timer_callback:59]-[uartapi]recv timer reached
94291	09:40:35...	64049	FIBO/I	[recv_data:219]-[uartapi]fibo uart total recv 128 bytes, timerout call user cb
94292	09:40:35...	64100	NET /I	tcpip: \n
94293	09:40:35...	64291	FIBO/I	fibo uart URT1 write: len=128
94294	09:40:35...	64292	DRV/R/D	DRV UR11 IRQ, status=0x00000001
94295	09:40:35...	64293	FIBO/I	[fibo_hal_uart_put:368]-[uartapi]fibo uart send finish
94296	09:40:35...	64314	DRV/R/D	DRV UR11 IRQ, status=0x00000001
94297	09:40:35...	64330	DRV/R/D	DRV UR11 RX DMA event 0x2
94298	09:40:35...	64332	FIBO/I	[recv_data:200]-[uartapi]start timer for recv more data cur_len=64 timeout=2
94299	09:40:35...	64332	FIBO/I	[recv_data:204]-[uartapi]fibo uart recv 64 bytes
94300	09:40:35...	64332	DRV/R/D	DRV UR11 receive 4032, got 0
94301	09:40:35...	64343	DRV/R/D	DRV UR11 RX DMA event 0x2
94302	09:40:35...	64344	FIBO/I	[recv_data:200]-[uartapi]start timer for recv more data cur_len=128 timeout=2

If the log does not print after the device restarts, you can open the PC icon in the bottom right corner of the computer



Click reconnect btn



1.2. Capture cap log

This is mainly used to analyze abnormal related issues in the network

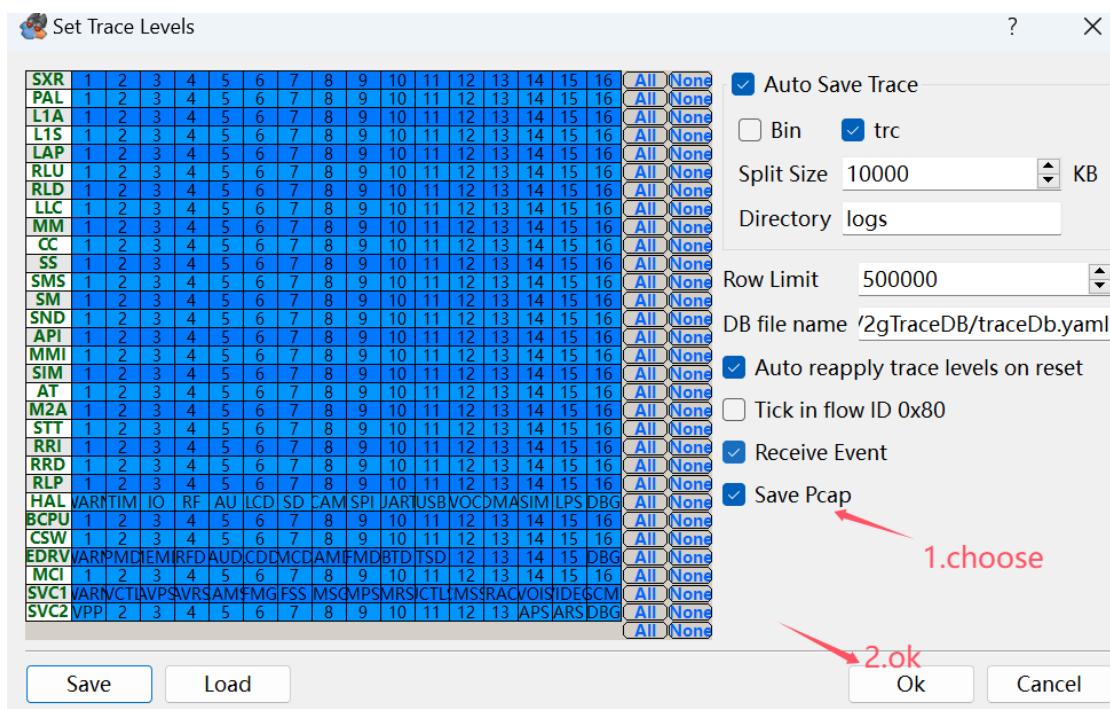
CoolWatcher Developer with profile 8910

File View Plugins Chip Flash Tracer Tools Help

Trace tool click myap

Index	Received	Tick	Level	Description
2316106	11:14:37...	2446	FIBO/I	[recv_data:219]-[uartapi]fibo uart total recv 128 bytes, timerout call user cb
2316107	11:14:37...	2606	NET/I	tcpip: \n
2316108	11:14:37...	2688	FIBO/I	fibo uart URT1 write: len=128
2316109	11:14:37...	2689	DRV/R/D	DRV URT1 IRQ, status=0x00000001
2316110	11:14:37...	2690	FIBO/I	[fibohal_uart_put:368]-[uartapi]fibo uart send finish
2316111	11:14:37...	2711	DRV/R/D	DRV URT1 IRQ, status=0x00000001
2316112	11:14:37...	2727	DRV/R/D	DRV URT1 RX DMA event 0x2
2316113	11:14:37...	2729	FIBO/I	[recv_data:200]-[uartapi]start timer for recv more data cur_len=64 timeout=2
2316114	11:14:37...	2729	FIBO/I	[recv_data:204]-[uartapi]fibo uart recv 64 bytes
2316115	11:14:37...	2729	DRV/R/D	DRV URT1 receive 4032, got 0
2316116	11:14:37...	2740	DRV/R/D	DRV URT1 RX DMA event 0x2
2316117	11:14:37...	2741	FIBO/I	[recv_data:200]-[uartapi]start timer for recv more data cur_len=128 timeout=2
2316118	11:14:37...	2741	FIBO/I	[recv_data:204]-[uartapi]fibo uart recv 64 bytes
2316119	11:14:37...	2741	DRV/R/D	DRV URT1 receive 3968, got 0
2316120	11:14:37...	2774	FIBO/I	[recv_timer_callback:59]-[uartapi]recv timer reached

Index	Received	Tick	Level	Description
1874931	11:10:49...	61346	MYAP/I	rpc_protocol_task
1874932	11:10:49...	61348	MYAP/I	[SYS]:thread_stack_size=2048,uxPriority=16,ret=0



Then the cap log will auto save at the Software installation directory

