

```
kommykt@debian:~$ cd esp/Open-Vehicle-Monitoring-System-3/vehicle/OVMS.V3/
kommykt@debian:~/esp/Open-Vehicle-Monitoring-System-3/vehicle/OVMS.V3$ make monitor
MONITOR
--- idf_monitor on /dev/ttyUSB0 115200 ---
--- Quit: Ctrl+] | Menu: Ctrl+T | Help: Ctrl+T followed by Ctrl+H ---
#0;32mI (683) spiram: SPI RAM mode: flash 40m sram 40m
I (683) spiram: PSRAM initialized, cache is in low/high (2-core) mode.
I (685) cpu_start: Pro cpu up.
I (688) cpu_start: Starting app cpu, entry point is 0x40081624
0x40081624: start_cpu0_default at /home/kommykt/esp/esp-idf/components/esp32/cpu_start.c:378

I (0) cpu_start: App cpu up.
I (1549) spiram: SPI SRAM memory test OK
I (1550) heap_init: Initializing. RAM available for dynamic allocation:
I (1550) heap_init: At 3FFAE6E0 len 00001920 (6 KiB): DRAM
I (1557) heap_init: At 3FFBC0A8 len 00023F58 (143 KiB): DRAM
I (1562) heap_init: At 3FFE0440 len 00003BC0 (14 KiB): D/IRAM
I (1569) heap_init: At 3FFE4350 len 0001BCB0 (111 KiB): D/IRAM
I (1576) heap_init: At 4009A59C len 00005A64 (22 KiB): IRAM
I (1582) cpu_start: Pro cpu start user code
I (1586) spiram: Adding pool of 4096K of external SPI memory to heap allocator
I (156) ovms_main: Set default logging level for * to INFO
I (156) command: Initialising COMMAND (1000)
I (157) boot: Initialising BOOT (1100)
I (161) boot: Power cycle reset detected
I (165) events: Initialising EVENTS (1200)
I (170) config: Initialising CONFIG (1400)
I (175) time: Initialising TIME (1500)
I (180) script: Initialising SCRIPTS (1600)
I (184) script: Using DUKTAPE javascript engine
I (191) metrics: Initialising METRICS (1810)
I (195) metrics: Expanding DUKTAPE javascript engine
I (203) notify: Initialising NOTIFICATIONS (1820)
I (206) notify: Registered notification type info
I (211) notify: Registered notification type error
I (216) notify: Registered notification type alert
I (222) notify: Registered notification type data
I (227) location: Initialising LOCATIONS (1900)
I (233) location: Expanding DUKTAPE javascript engine
I (238) vehicle: Initialising VEHICLE Factory (2000)
I (244) pcp: Initialising POWER (4000)
I (248) max7317: Initialising MAX7317 EGPIO (4200)
I (254) sdcard: Initialising SD CARD (4400)
I (259) ota: Initialising OTA (4400)
I (263) can: Initialising CAN (4500)
I (268) dbc: Initialising DBC (4510)
I (271) simcom: Initialising SIMCOM (4600)
I (277) test: Initialising TEST (5000)
I (281) ovms-module: Initialising MODULE (5100)
```

I (286) vfs: Initialising VFS (5200)
I (290) ovms-server: Initialising OVMS Server (6000)
I (296) ovms-server-v2: Initialising OVMS V2 Server (6100)
I (302) ovms-server-v3: Initialising OVMS V3 Server (6200)
I (308) obd2ecu: Initialising OBD2ECU (7000)
I (313) canopen: Initialising CANOpen (7000)
I (319) esp32wifi: Initialising ESP32WIFI (8000)
I (323) ovms-mdns: Initialising MDNS (8100)
I (328) webserver: Initialising WEBSERVER (8200)
I (335) ssh: Initialising SSH (8300)
I (338) re: Initialising RE Tools (8800)
I (343) netmanager: Initialising NETMANAGER (8999)
I (349) v-zeva: Registering Vehicle: ZEVA (9000)
I (353) v-voltampera: Registering Vehicle: Volt/Ampera (9000)
I (359) v-track: Registering Vehicle: TRACK (9000)
I (365) v-thinkcity: Registering Vehicle: THINK CITY (9000)
I (371) v-teslaroadster: Registering Vehicle: Tesla Roadster (9000)
I (378) v-teslamodels: Registering Vehicle: Tesla Model S (9000)
I (385) v-twizy: Registering Vehicle: Renault Twizy (9000)
I (391) v-obdii: Registering Vehicle: OBDII (9000)
I (396) v-none: Registering Vehicle: NONE (9000)
I (401) v-nissanleaf: Registering Vehicle: Nissan Leaf (9000)
I (408) v-mitsubishi: Registering Vehicle: MITSUBISHI IMIEV (9000)
I (415) v-kiasoulev: Registering Vehicle: Kia Soul EV (9000)
I (421) v-fiat500e: Registering Vehicle: FIAT 500e (9000)
I (427) v-demo: Registering Vehicle: DEMO (9000)
I (432) version: Initialising Versioning (9900)
I (441) cpu_start: Starting scheduler on PRO CPU.
I (0) cpu_start: Starting scheduler on APP CPU.
I (506) ovms_main: Executing on CPU core 0
I (506) ovms_main: Mounting CONFIG...
I (546) ovms_main: Configure logging...
I (556) command: Expanding DUKTAPE javascript engine
I (556) ovms_main: Registering default configs...
I (556) ovms_main: Starting HOUSEKEEPING...
I (556) housekeeping: Initialising HOUSEKEEPING Framework...
I (606) housekeeping: Executing on CPU core 1
I (606) housekeeping: reset_reason: cpu0=1, cpu1=14
I (606) housekeeping: Initialising WATCHDOG...
I (606) housekeeping: Starting PERIPHERALS...
I (616) peripherals: Initialising OVMS Peripherals...
I (616) peripherals: TCP/IP Adaptor
I (626) peripherals: ESP32 system
I (626) peripherals: SPI bus
I (626) peripherals: MAX7317 I/O Expander
I (636) peripherals: ESP32 CAN
I (636) peripherals: ESP32 WIFI
I (646) peripherals: ESP32 ADC
I (646) peripherals: MCP2515 CAN 1/2

I (666) peripherals: MCP2515 CAN 2/2
I (676) peripherals: SD CARD
I (676) peripherals: SIMCOM MODEM
I (676) gpio: GPIO[13]| InputEn: 0| OutputEn: 1| OpenDrain: 0| Pullup: 1| Pulldown: 0| Intr:0
I (686) gpio: GPIO[4]| InputEn: 1| OutputEn: 0| OpenDrain: 0| Pullup: 1| Pulldown: 0| Intr:0
I (696) uart: queue free spaces: 10
I (696) ext12v: Powering off external 12V devices
I (706) housekeeping: Auto init ext12v (free: 213560 bytes)
I (706) housekeeping: Auto init wifi (free: 213560 bytes)
I (716) esp32wifi: Powering up WIFI driver
I (716) wifi: wifi driver task: 3ffccc1c, prio:23, stack:3584, core=0
I (726) wifi: wifi firmware version: 771f1dc
I (726) wifi: config NVS flash: enabled
I (736) wifi: config nano formatting: disabled
I (736) system_api: Base MAC address is not set, read default base MAC address from BLK0 of EFUSE
I (746) system_api: Base MAC address is not set, read default base MAC address from BLK0 of EFUSE
I (766) wifi: Init dynamic tx buffer num: 16
I (766) wifi: Init data frame dynamic rx buffer num: 16
I (766) wifi: Init management frame dynamic rx buffer num: 16
I (776) wifi: Init static rx buffer size: 2212
I (776) wifi: Init static rx buffer num: 4
I (776) wifi: Init dynamic rx buffer num: 16
I (1526) phy: phy_version: 3910, c0c45a3, May 21 2018, 18:07:06, 0, 0
I (1526) wifi: mode : sta (30:ae:a4:60:35:28) + softAP (30:ae:a4:60:35:29)
I (1526) housekeeping: Auto init modem (free: 195804 bytes)
I (1526) simcom: State: Enter PoweringOn state
I (1536) simcom: Power Cycle
I (1626) simcom: State: Enter PoweredOn state
I (2536) housekeeping: Auto init vehicle (free: 195632 bytes)
I (2536) v-mitsubishi: Start Mitsubishi iMiev vehicle module
I (2536) housekeeping: Auto init obd2ecu (free: 188056 bytes)
I (2546) housekeeping: Auto init server v2 (free: 188056 bytes)
I (2556) ovms-server-v2: OVMS Server V2 registered metric modifier is #1
I (2556) ovms-server-v2: Status: Server has been started
I (2566) ovms-server-v2: OVMS Server v2 running
I (2576) housekeeping: Auto init server v3 (free: 187948 bytes)
I (2576) housekeeping: Auto init done (free: 187948 bytes)
I (2586) housekeeping: Starting USB console...
I (2586) uart: queue free spaces: 100

Welcome to the Open Vehicle Monitoring System (OVMS) - Async Console
Firmware: 3.1.010/ota_1/main
Hardware: OVMS WIFI BLE BT cores=2 rev=ESP32/1
I (2596) netmanager: WIFI access point is up

OVMS> I (2616) esp32wifi: AP started with SSID: NNB-635, MAC: 30:ae:a4:60:35:29, IP: 192.168.4.1

I (2626) gsm-nmea: Startup
I (2626) ovms-mdns: Starting MDNS
I (2646) webserver: Launching Web Server
I (2646) ssh: Launching SSH Server
I (4366) wifi: ap channel adjust o:1,1 n:3,1
I (4366) wifi: n:3 0, o:1 0, ap:3 1, sta:3 0, prof:1
I (5106) wifi: connected with Kovacs, channel 3
I (5106) wifi: pm start, type: 1
I (5636) sdcard: mount done been inserted
I (6156) event: sta ip: 192.168.1.183, mask: 255.255.255.0, gw: 192.168.1.1
I (6156) netmanager: Interface priority is st1 (192.168.1.183/255.255.255.0 gateway 192.168.1.1)
I (6156) netmanager: Set DNS#0 1.1.1.1
I (6156) netmanager: WIFI client up (with MODEM down): starting network with WIFI client
I (6156) esp32wifi: STA got IP with SSID: Kovacs, MAC: 30:ae:a4:60:35:28, IP: 192.168.1.183, mask: 255.255.255.0, gw: 192.168.1.1
I (6166) time: Starting SNTP client
I (6166) ovms-server-v2: Status: Network is up, so attempt network connection
I (7606) ovms-server-v2: Connection is api.openvehicles.com:6867 NNB635
I (7606) ovms-server-v2: Status: Connecting...
I (8276) ovms-server-v2: Connection successful
I (8276) ovms-server-v2: Status: Logging in...
I (8276) ovms-server-v2: Sending server login: MP-C 0 Cb29LLYGDLjq/zBGGKZAfQ
McJ/FalE4GrhWLXI3bL8eg== NNB635
I (8906) ovms-server-v2: Got server response: MP-S 0 0p/EUVofCvszP9ScboCiGU
t4M/1PrmUnLeuIB5g5sJ5w==
I (8906) ovms-server-v2: Server token is 0p/EUVofCvszP9ScboCiGU and digest is
t4M/1PrmUnLeuIB5g5sJ5w==
I (8906) ovms-server-v2: Status: Server authentication ok. Now priming crypto.
I (8906) ovms-server-v2: Shared secret key is
0p/EUVofCvszP9ScboCiGUCb29LLYGDLjq/zBGGKZAfQ (44 bytes)
I (8906) ovms-server-v2: Status: OVMS V2 login successful, and crypto channel established
I (8916) ovms-server-v2: Incoming Msg: MP-0 Z0
I (9606) ovms-server-v2: Send MP-0
S52.0,K,0,0,stopped,standard,0,45,0,0,0,0,21,0,0,0,0,0.00,0,0,0,0,-1,0,0,0,0,0,0,0.00,0.00,0
I (9606) ovms-server-v2: Send MP-0 D0,0,5,24,25,0,0,527930,0,9,0,0,0,0,11.57,0,12.6,0,24,0,0
I (9616) ovms-server-v2: Send MP-0 L0,0,0,0,0,0,0,0,0,0
I (9616) ovms-server-v2: Send MP-0 W0,0,0,0,0,0,0,0
I (9616) ovms-server-v2: Send MP-0 F3.1.010/ota_1/main (build idf v3.1-dev-1585-g812f959 Aug 26
2018 17:09:48),VF31NZKZZCU801666,0,1,MI,Kovacs
I (10606) housekeeping: System considered stable (RAM: 8b=113788-148612 32b=22424)
I (20606) simcom: State timeout, transition to 2
I (20606) simcom: State: Enter PoweringOn state
I (20606) simcom: Power Cycle
I (27226) simcom: State: Enter PoweredOn state
I (46626) simcom: State: Enter MuxStart state
I (46626) gsm-mux: Start MUX
I (46636) gsm-mux: Channel #0 is open
I (46646) gsm-mux: Channel #1 is open
I (46646) gsm-mux: Channel #2 is open

```
I (46656) gsm-mux: Channel #3 is open
I (46666) gsm-mux: Channel #4 is open
I (47606) simcom: State: Enter NetWait state
I (47606) gsm-nmea: Startup
OVMS>
```