```
 1  U-Boot SPL 2017.03-rc3-00002-g16d7481d17 (Mar 09 2017 - 14:55:03)
 2  Trying to boot from MMC2
 3
 4
 5  U-Boot 2017.03-rc3-00002-g16d7481d17 (Mar 09 2017 - 14:55:03 -0600), Build:
    jenkins-github_Bootloader-Builder-529
 6
 7  CPU  : AM335X-GP rev 2.1
 8  I2C:   ready
 9  DRAM:  512 MiB
10  Reset Source: Global external warm reset has occurred.
11  Reset Source: Global warm SW reset has occurred.
12  Reset Source: Power-on reset has occurred.
13  MMC:   OMAP SD/MMC: 0, OMAP SD/MMC: 1
14  Using default environment
15
16  Model: BeagleBone Blue
17  <ethaddr> not set. Validating first E-fuse MAC
18  BeagleBone Black:
19  Model: BeagleBoard.org BeagleBone Blue:
20  BeagleBone: cape eeprom: i2c_probe: 0x54:
21  BeagleBone: cape eeprom: i2c_probe: 0x55:
22  BeagleBone: cape eeprom: i2c_probe: 0x56:
23  BeagleBone: cape eeprom: i2c_probe: 0x57:
24  Net:   eth0: MII MODE
25  Could not get PHY for cpsw: addr 0
26  cpsw
27  Press SPACE to abort autoboot in 2 seconds
28  board_name=[BBBL] ...
29  switch to partitions #0, OK
30  mmc0 is current device
31  SD/MMC found on device 0
32  ** Bad device 0:2 0x82000000 **
33  ** Bad device 0:2 0x82000000 **
34  switch to partitions #0, OK
35  mmc0 is current device
36  Scanning mmc 0:1...
37  gpio: pin 56 (gpio 56) value is 0
38  gpio: pin 55 (gpio 55) value is 0
39  gpio: pin 54 (gpio 54) value is 0
40  gpio: pin 53 (gpio 53) value is 1
41  switch to partitions #0, OK
42  mmc0 is current device
43  gpio: pin 54 (gpio 54) value is 1
44  Checking for: /uEnv.txt ...
45  Checking for: /boot.scr ...
46  Checking for: /boot/boot.scr ...
47  Checking for: /boot/uEnv.txt ...
48  gpio: pin 55 (gpio 55) value is 1
49  2137 bytes read in 41 ms (50.8 KiB/s)
50  Loaded environment from /boot/uEnv.txt
51  Checking if uname_r is set in /boot/uEnv.txt...
52  gpio: pin 56 (gpio 56) value is 1
53  Running uname_boot ...
54  loading /boot/vmlinuz-4.4.84-ti-r120 ...
55  8664560 bytes read in 578 ms (14.3 MiB/s)
56  uboot_overlays: [uboot_base_dtb=am335x-boneblue.dtb] ...
57  uboot_overlays: Switching too: dtb=am335x-boneblue.dtb ...
58  loading /boot/dtbs/4.4.84-ti-r120/am335x-boneblue.dtb ...
59  136445 bytes read in 153 ms (870.1 KiB/s)
60  uboot_overlays: [fdt_buffer=0x60000] ...
61  uboot_overlays: loading /lib/firmware/OSD3358-00A0.dtbo ...
62  441 bytes read in 422 ms (1000 Bytes/s)
63  loading /boot/initrd.img-4.4.84-ti-r120 ...
64  5510376 bytes read in 384 ms (13.7 MiB/s)
65  debug: [console=ttyO0,115200n8 root=/dev/mmcblk0p1 ro rootfstype=ext4 rootwait
```

```
           coherent_pool=1M net.ifnames=0] ...
   66    debug: [bootz 0x82000000 0x88080000:5414e8 88000000] ...
   67    ## Flattened Device Tree blob at 88000000
   68       Booting using the fdt blob at 0x88000000
   69       Loading Ramdisk to 8fabe000, end 8ffff4e8 ... OK
   70       reserving fdt memory region: addr=88000000 size=82000
   71       Loading Device Tree to 8fa39000, end 8fabdfff ... OK
   72
   73    Starting kernel ...
   74
   75    [    0.000000] Booting Linux on physical CPU 0x0
   76    [    0.000000] Initializing cgroup subsys cpuset
   77    [    0.000000] Initializing cgroup subsys cpu
   78    [    0.000000] Initializing cgroup subsys cpuacct
   79    [    0.000000] Linux version 4.4.84-ti-r120 (root@b2-am57xx-beagle-x15-2gb) (gcc
          version 6.3.0 20170516 (Debian 6.3.0-18) ) #1 SMP Sun Aug 27 03:11:07 UTC 2017
   80    [    0.000000] CPU: ARMv7 Processor [413fc082] revision 2 (ARMv7), cr=10c5387d
   81    [    0.000000] CPU: PIPT / VIPT nonaliasing data cache, VIPT aliasing instruction cache
   82    [    0.000000] Machine model: TI AM335x BeagleBone Blue
   83    [    0.000000] cma: Reserved 48 MiB at 0x9c800000
   84    [    0.000000] Memory policy: Data cache writeback
   85    [    0.000000] CPU: All CPU(s) started in SVC mode.
   86    [    0.000000] AM335X ES2.1 (sgx neon )
   87    [    0.000000] PERCPU: Embedded 13 pages/cpu @df8f0000 s24268 r8192 d20788 u53248
   88    [    0.000000] Built 1 zonelists in Zone order, mobility grouping on.  Total pages:
          129408
   89    [    0.000000] Kernel command line: console=ttyO0,115200n8 root=/dev/mmcblk0p1 ro
          rootfstype=ext4 rootwait coherent_pool=1M net.ifnames=0
   90    [    0.000000] PID hash table entries: 2048 (order: 1, 8192 bytes)
   91    [    0.000000] Dentry cache hash table entries: 65536 (order: 6, 262144 bytes)
   92    [    0.000000] Inode-cache hash table entries: 32768 (order: 5, 131072 bytes)
   93    [    0.000000] Memory: 443712K/522240K available (11413K kernel code, 927K rwdata,
          3816K rodata, 736K init, 841K bss, 29376K reserved, 49152K cma-reserved, 0K highmem)
   94    [    0.000000] Virtual kernel memory layout:
   95    [    0.000000]     vector  : 0xffff0000 - 0xffff1000   (    4 kB)
   96    [    0.000000]     fixmap  : 0xffc00000 - 0xfff00000   (3072 kB)
   97    [    0.000000]     vmalloc : 0xe0800000 - 0xff800000   ( 496 MB)
   98    [    0.000000]     lowmem  : 0xc0000000 - 0xe0000000   ( 512 MB)
   99    [    0.000000]     pkmap   : 0xbfe00000 - 0xc0000000   (   2 MB)
  100    [    0.000000]     modules : 0xbf000000 - 0xbfe00000   (  14 MB)
  101    [    0.000000]       .text : 0xc0008000 - 0xc0ee79e4   (15231 kB)
  102    [    0.000000]       .init : 0xc0ee8000 - 0xc0fa0000   ( 736 kB)
  103    [    0.000000]       .data : 0xc0fa0000 - 0xc1087c30   ( 928 kB)
  104    [    0.000000]        .bss : 0xc108a000 - 0xc115c710   ( 842 kB)
  105    [    0.000000] SLUB: HWalign=64, Order=0-3, MinObjects=0, CPUs=1, Nodes=1
  106    [    0.000000] Hierarchical RCU implementation.
  107    [    0.000000]  Build-time adjustment of leaf fanout to 32.
  108    [    0.000000]  RCU restricting CPUs from NR_CPUS=2 to nr_cpu_ids=1.
  109    [    0.000000] RCU: Adjusting geometry for rcu_fanout_leaf=32, nr_cpu_ids=1
  110    [    0.000000] NR_IRQS:16 nr_irqs:16 16
  111    [    0.000000] IRQ: Found an INTC at 0xfa200000 (revision 5.0) with 128 interrupts
  112    [    0.000000] OMAP clockevent source: timer2 at 24000000 Hz
  113    [    0.000023] sched_clock: 32 bits at 24MHz, resolution 41ns, wraps every 89478484971ns
  114    [    0.000050] clocksource: timer1: mask: 0xffffffff max_cycles: 0xffffffff,
          max_idle_ns: 79635851949 ns
  115    [    0.000063] OMAP clocksource: timer1 at 24000000 Hz
  116    [    0.001997] clocksource_probe: no matching clocksources found
  117    [    0.002306] Console: colour dummy device 80x30
  118    [    0.002340] WARNING: Your 'console=ttyO0' has been replaced by 'ttyS0'
  119    [    0.002347] This ensures that you still see kernel messages. Please
  120    [    0.002354] update your kernel commandline.
  121    [    0.002375] Calibrating delay loop... 995.32 BogoMIPS (lpj=1990656)
  122    [    0.020793] pid_max: default: 32768 minimum: 301
  123    [    0.020943] Security Framework initialized
  124    [    0.020956] Yama: becoming mindful.
  125    [    0.020993] AppArmor: AppArmor disabled by boot time parameter
```

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126  [    0.021165] Mount-cache hash table entries: 1024 (order: 0, 4096 bytes)
127  [    0.021178] Mountpoint-cache hash table entries: 1024 (order: 0, 4096 bytes)
128  [    0.022052] Initializing cgroup subsys io
129  [    0.022086] Initializing cgroup subsys memory
130  [    0.022133] Initializing cgroup subsys devices
131  [    0.022151] Initializing cgroup subsys freezer
132  [    0.022167] Initializing cgroup subsys net_cls
133  [    0.022181] Initializing cgroup subsys perf_event
134  [    0.022197] Initializing cgroup subsys net_prio
135  [    0.022221] Initializing cgroup subsys pids
136  [    0.022281] CPU: Testing write buffer coherency: ok
137  [    0.022344] ftrace: allocating 34879 entries in 103 pages
138  [    0.121020] CPU0: thread -1, cpu 0, socket -1, mpidr 0
139  [    0.121143] Setting up static identity map for 0x80008280 - 0x800082e0
140  [    0.125299] Brought up 1 CPUs
141  [    0.125324] SMP: Total of 1 processors activated (995.32 BogoMIPS).
142  [    0.125333] CPU: All CPU(s) started in SVC mode.
143  [    0.126913] devtmpfs: initialized
144  [    0.164181] VFP support v0.3: implementor 41 architecture 3 part 30 variant c rev 3
145  [    0.221063] omap_hwmod: debugss: _wait_target_disable failed
146  [    0.262429] clocksource: jiffies: mask: 0xffffffff max_cycles: 0xffffffff,
     max_idle_ns: 7645041785100000 ns
147  [    0.262468] futex hash table entries: 256 (order: 2, 16384 bytes)
148  [    0.266512] xor: measuring software checksum speed
149  [    0.304771]    arm4regs  :  1197.000 MB/sec
150  [    0.344768]    8regs     :  1078.000 MB/sec
151  [    0.384766]    32regs    :  1075.000 MB/sec
152  [    0.424766]    neon      :  1706.000 MB/sec
153  [    0.424774] xor: using function: neon (1706.000 MB/sec)
154  [    0.424902] pinctrl core: initialized pinctrl subsystem
155  [    0.426376] NET: Registered protocol family 16
156  [    0.430061] DMA: preallocated 1024 KiB pool for atomic coherent allocations
157  [    0.430996] cpuidle: using governor ladder
158  [    0.431016] cpuidle: using governor menu
159  [    0.436867] OMAP GPIO hardware version 0.1
160  [    0.439474] GPIO line 106 (LS_BUF_EN) hogged as output/high
161  [    0.455777] No ATAGs?
162  [    0.455816] hw-breakpoint: debug architecture 0x4 unsupported.
163  [    0.457097] omap4_sram_init:Unable to allocate sram needed to handle errata I688
164  [    0.457120] omap4_sram_init:Unable to get sram pool needed to handle errata I688
165  [    0.536944] raid6: int32x1  gen()   258 MB/s
166  [    0.604813] raid6: int32x1  xor()   229 MB/s
167  [    0.672916] raid6: int32x2  gen()   323 MB/s
168  [    0.740819] raid6: int32x2  xor()   283 MB/s
169  [    0.808773] raid6: int32x4  gen()   328 MB/s
170  [    0.876784] raid6: int32x4  xor()   267 MB/s
171  [    0.944870] raid6: int32x8  gen()   300 MB/s
172  [    1.012777] raid6: int32x8  xor()   233 MB/s
173  [    1.080789] raid6: neonx1   gen()  1458 MB/s
174  [    1.148783] raid6: neonx1   xor()   846 MB/s
175  [    1.216768] raid6: neonx2   gen()  1925 MB/s
176  [    1.284768] raid6: neonx2   xor()  1204 MB/s
177  [    1.352791] raid6: neonx4   gen()  1086 MB/s
178  [    1.420777] raid6: neonx4   xor()   790 MB/s
179  [    1.488814] raid6: neonx8   gen()  1037 MB/s
180  [    1.556771] raid6: neonx8   xor()   757 MB/s
181  [    1.556779] raid6: using algorithm neonx2 gen() 1925 MB/s
182  [    1.556786] raid6: .... xor() 1204 MB/s, rmw enabled
183  [    1.556793] raid6: using intx1 recovery algorithm
184  [    1.566691] edma 49000000.edma: TI EDMA DMA engine driver
185  [    1.574538] vgaarb: loaded
186  [    1.575214] SCSI subsystem initialized
187  [    1.575977] usbcore: registered new interface driver usbfs
188  [    1.576052] usbcore: registered new interface driver hub
189  [    1.576161] usbcore: registered new device driver usb
190  [    1.577035] omap_i2c 44e0b000.i2c: could not find pctldev for node
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          /ocp/l4_wkup@44c00000/scm@210000/pinmux@800/pinmux_i2c0_pins, deferring probe
191  [    1.577894] omap_i2c 4802a000.i2c: bus 1 rev0.11 at 400 kHz
192  [    1.578555] omap_i2c 4819c000.i2c: bus 2 rev0.11 at 400 kHz
193  [    1.578821] media: Linux media interface: v0.10
194  [    1.578894] Linux video capture interface: v2.00
195  [    1.579014] pps_core: LinuxPPS API ver. 1 registered
196  [    1.579022] pps_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giometti
     <giometti@linux.it>
197  [    1.579053] PTP clock support registered
198  [    1.579966] omap-mailbox 480c8000.mailbox: omap mailbox rev 0x400
199  [    1.581519] NetLabel: Initializing
200  [    1.581534] NetLabel:  domain hash size = 128
201  [    1.581540] NetLabel:  protocols = UNLABELED CIPSOv4
202  [    1.581601] NetLabel:  unlabeled traffic allowed by default
203  [    1.582010] clocksource: Switched to clocksource timer1
204  [    1.694582] NET: Registered protocol family 2
205  [    1.695467] TCP established hash table entries: 4096 (order: 2, 16384 bytes)
206  [    1.695520] TCP bind hash table entries: 4096 (order: 3, 32768 bytes)
207  [    1.695581] TCP: Hash tables configured (established 4096 bind 4096)
208  [    1.695656] UDP hash table entries: 256 (order: 1, 8192 bytes)
209  [    1.695678] UDP-Lite hash table entries: 256 (order: 1, 8192 bytes)
210  [    1.696012] NET: Registered protocol family 1
211  [    1.696627] RPC: Registered named UNIX socket transport module.
212  [    1.696643] RPC: Registered udp transport module.
213  [    1.696651] RPC: Registered tcp transport module.
214  [    1.696657] RPC: Registered tcp NFSv4.1 backchannel transport module.
215  [    1.697413] Unpacking initramfs...
216  [    2.096923] Freeing initrd memory: 5384K
217  [    2.097471] hw perfevents: enabled with armv7_cortex_a8 PMU driver, 5 counters
     available
218  [    2.100754] audit: initializing netlink subsys (disabled)
219  [    2.100858] audit: type=2000 audit(2.040:1): initialized
220  [    2.111290] zbud: loaded
221  [    2.112018] VFS: Disk quotas dquot_6.6.0
222  [    2.112277] VFS: Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)
223  [    2.115118] NFS: Registering the id_resolver key type
224  [    2.115195] Key type id_resolver registered
225  [    2.115203] Key type id_legacy registered
226  [    2.115233] nfs4filelayout_init: NFSv4 File Layout Driver Registering...
227  [    2.115621] fuse init (API version 7.23)
228  [    2.116259] SGI XFS with ACLs, security attributes, realtime, no debug enabled
229  [    2.124945] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 249)
230  [    2.125200] io scheduler noop registered
231  [    2.125216] io scheduler deadline registered
232  [    2.125280] io scheduler cfq registered (default)
233  [    2.127113] pinctrl-single 44e10800.pinmux: 142 pins at pa f9e10800 size 568
234  [    2.132441] wkup_m3_ipc 44e11324.wkup_m3_ipc: could not get rproc handle
235  [    2.134419] Serial: 8250/16550 driver, 6 ports, IRQ sharing disabled
236  [    2.137744] 44e09000.serial: ttyS0 at MMIO 0x44e09000 (irq = 158, base_baud =
     3000000) is a 8250
237  [    3.028399] console [ttyS0] enabled
238  [    3.032873] 48022000.serial: ttyS1 at MMIO 0x48022000 (irq = 159, base_baud =
     3000000) is a 8250
239  [    3.042721] 48024000.serial: ttyS2 at MMIO 0x48024000 (irq = 160, base_baud =
     3000000) is a 8250
240  [    3.052538] 481a6000.serial: ttyS3 at MMIO 0x481a6000 (irq = 161, base_baud =
     3000000) is a 8250
241  [    3.062348] 481a8000.serial: ttyS4 at MMIO 0x481a8000 (irq = 162, base_baud =
     3000000) is a 8250
242  [    3.072027] 481aa000.serial: ttyS5 at MMIO 0x481aa000 (irq = 163, base_baud =
     3000000) is a 8250
243  [    3.082954] [drm] Initialized drm 1.1.0 20060810
244  [    3.103749] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
245  [    3.110421] ehci-pci: EHCI PCI platform driver
246  [    3.114984] ehci-platform: EHCI generic platform driver
247  [    3.120526] ehci-omap: OMAP-EHCI Host Controller driver
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248  [    3.126450] usbcore: registered new interface driver usb-storage
249  [    3.135445] 47401300.usb-phy supply vcc not found, using dummy regulator
250  [    3.147261] 47401b00.usb-phy supply vcc not found, using dummy regulator
251  [    3.156787] musb-hdrc musb-hdrc.1.auto: MUSB HDRC host driver
252  [    3.162695] musb-hdrc musb-hdrc.1.auto: new USB bus registered, assigned bus number 1
253  [    3.170889] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002
254  [    3.177747] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1
255  [    3.185020] usb usb1: Product: MUSB HDRC host driver
256  [    3.190023] usb usb1: Manufacturer: Linux 4.4.84-ti-r120 musb-hcd
257  [    3.196158] usb usb1: SerialNumber: musb-hdrc.1.auto
258  [    3.202273] hub 1-0:1.0: USB hub found
259  [    3.206188] hub 1-0:1.0: 1 port detected
260  [    3.220228] mousedev: PS/2 mouse device common for all mice
261  [    3.228086] omap_rtc 44e3e000.rtc: already running
262  [    3.233533] omap_rtc 44e3e000.rtc: rtc core: registered 44e3e000.rtc as rtc0
263  [    3.241310] i2c /dev entries driver
264  [    3.247327] omap_wdt: OMAP Watchdog Timer Rev 0x01: initial timeout 60 sec
265  [    3.254841] cpuidle: enable-method property 'ti,am3352' found operations
266  [    3.262734] omap_hsmmc 48060000.mmc: Got CD GPIO
267  [    3.333656] mmc0: host does not support reading read-only switch, assuming
     write-enable
268  [    3.344331] mmc0: new high speed SDHC card at address 1234
269  [    3.350930] mmcblk0: mmc0:1234 SA04G 3.64 GiB
270  [    3.357860]  mmcblk0: p1
271  [    3.400608] mmc1: MAN_BKOPS_EN bit is not set
272  [    3.412396] mmc1: new high speed MMC card at address 0001
273  [    3.418884] mmcblk1: mmc1:0001 S10004 3.56 GiB
274  [    3.424206] mmcblk1boot0: mmc1:0001 S10004 partition 1 4.00 MiB
275  [    3.430651] mmcblk1boot1: mmc1:0001 S10004 partition 2 4.00 MiB
276  [    3.437880]  mmcblk1: p1
277  [    3.444197] hidraw: raw HID events driver (C) Jiri Kosina
278  [    3.454216] usbcore: registered new interface driver usbhid
279  [    3.459897] usbhid: USB HID core driver
280  [    3.466857] omap_hsmmc 47810000.mmc: card claims to support voltages below defined
     range
281  [    3.475530]  remoteproc0: wkup_m3 is available
282  [    3.480057]  remoteproc0: Note: remoteproc is still under development and considered
     experimental.
283  [    3.489077]  remoteproc0: THE BINARY FORMAT IS NOT YET FINALIZED, and backward
     compatibility isn't yet guaranteed.
284  [    3.503430] NET: Registered protocol family 10
285  [    3.509690] mip6: Mobile IPv6
286  [    3.512864] NET: Registered protocol family 17
287  [    3.517552] Key type dns_resolver registered
288  [    3.521931] mpls_gso: MPLS GSO support
289  [    3.526053] omap_voltage_late_init: Voltage driver support not added
290  [    3.534071] PM: Cannot get wkup_m3_ipc handle
291  [    3.538625] ThumbEE CPU extension supported.
292  [    3.543015] Registering SWP/SWPB emulation handler
293  [    3.550224] mmc2: queuing unknown CIS tuple 0x91 (3 bytes)
294  [    3.555922] registered taskstats version 1
295  [    3.561092] mmc2: new high speed SDIO card at address 0001
296  [    3.566848] zswap: loaded using pool lzo/zbud
297  [    3.576754] Btrfs loaded
298  [    3.602540] Key type encrypted registered
299  [    3.610497] input: tps65217_pwr_but as
     /devices/platform/ocp/44e0b000.i2c/i2c-0/0-0024/input/input0
300  [    3.644475] tps65217 0-0024: TPS65217 ID 0xe version 1.2
301  [    3.650595] at24 0-0050: 32768 byte 24c256 EEPROM, writable, 1 bytes/write
302  [    3.657609] omap_i2c 44e0b000.i2c: bus 0 rev0.11 at 400 kHz
303  [    3.664586]  remoteproc0: powering up wkup_m3
304  [    3.669632]  remoteproc0: Booting fw image am335x-pm-firmware.elf, size 217148
305  [    3.677297]  remoteproc0: remote processor wkup_m3 is now up
306  [    3.682996] wkup_m3_ipc 44e11324.wkup_m3_ipc: CM3 Firmware Version = 0x192
307  [    3.691578] PM: bootloader does not support rtc-only!
308  [    3.699219] omap_rtc 44e3e000.rtc: setting system clock to 2000-01-01 00:00:00 UTC
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        (946684800)
309   [    3.710295] of_cfs_init
310   [    3.712980] of_cfs_init: OK
311   [    3.724506] Freeing unused kernel memory: 736K
312   Loading, please wait...
313   starting version 232
314   [    3.864914] random: systemd-udevd: uninitialized urandom read (16 bytes read, 19
      bits of entropy available)
315   [    3.886981] random: systemd-udevd: uninitialized urandom read (16 bytes read, 19
      bits of entropy available)
316   [    3.898487] random: udevadm: uninitialized urandom read (16 bytes read, 19 bits of
      entropy available)
317   [    3.908095] random: systemd-udevd: uninitialized urandom read (16 bytes read, 19
      bits of entropy available)
318   [    3.918450] random: udevadm: uninitialized urandom read (16 bytes read, 19 bits of
      entropy available)
319   [    3.930375] random: udevadm: uninitialized urandom read (16 bytes read, 19 bits of
      entropy available)
320   [    3.943864] random: udevadm: uninitialized urandom read (16 bytes read, 19 bits of
      entropy available)
321   [    3.954185] random: udevadm: uninitialized urandom read (16 bytes read, 19 bits of
      entropy available)
322   [    3.964181] random: udevadm: uninitialized urandom read (16 bytes read, 19 bits of
      entropy available)
323   [    3.974244] random: udevadm: uninitialized urandom read (16 bytes read, 19 bits of
      entropy available)
324   [    5.026847] musb-hdrc musb-hdrc.1.auto: VBUS_ERROR in a_wait_vrise (88, <AValid),
      retry #3, port1 0008010c
325   [    5.354554] ti-pruss 4a300000.pruss: creating PRU cores and other child platform
      devices
326   [    5.407180] irq: no irq domain found for /ocp/pruss@4a300000/intc@4a320000 !
327   [    5.456928] irq: no irq domain found for /ocp/pruss@4a300000/intc@4a320000 !
328   [    5.509172]  remoteproc1: 4a334000.pru0 is available
329   [    5.514346]  remoteproc1: Note: remoteproc is still under development and considered
      experimental.
330   [    5.523374]  remoteproc1: THE BINARY FORMAT IS NOT YET FINALIZED, and backward
      compatibility isn't yet guaranteed.
331   [    5.618811] pru-rproc 4a334000.pru0: booting the PRU core manually
332   [    5.646663]  remoteproc1: powering up 4a334000.pru0
333   [    5.665022]  remoteproc1: Booting fw image am335x-pru0-fw, size 36296
334   [    5.671721]  remoteproc1: remote processor 4a334000.pru0 is now up
335   [    5.678008] pru-rproc 4a334000.pru0: PRU rproc node
      /ocp/pruss@4a300000/pru0@4a334000 probed successfully
336   [    5.760104]  remoteproc2: 4a338000.pru1 is available
337   [    5.765255]  remoteproc2: Note: remoteproc is still under development and considered
      experimental.
338   [    5.774288]  remoteproc2: THE BINARY FORMAT IS NOT YET FINALIZED, and backward
      compatibility isn't yet guaranteed.
339   [    5.853048] pru-rproc 4a338000.pru1: booting the PRU core manually
340   [    5.859538]  remoteproc2: powering up 4a338000.pru1
341   [    5.864761]  remoteproc2: Booting fw image am335x-pru1-fw, size 35392
342   [    5.871361]  remoteproc2: remote processor 4a338000.pru1 is now up
343   [    5.877636] pru-rproc 4a338000.pru1: PRU rproc node
      /ocp/pruss@4a300000/pru1@4a338000 probed successfully
344   Begin: Loading essential drivers ... done.
345   Begin: Running /scripts/init-premount ... done.
346   Begin: Mounting root file system ... Begin: Running /scripts/local-top ... done.
347   Begin: Running /scripts/local-premount ... done.
348   Warning: fsck not present, so skipping root file system
349   [    6.004866] EXT4-fs (mmcblk0p1): mounted filesystem with ordered data mode. Opts:
      (null)
350   done.
351   Begin: Running /scripts/local-bottom ... done.
352   Begin: Running /scripts/init-bottom ... done.
353   [    6.616004] systemd[1]: System time before build time, advancing clock.
354   [    6.726402] ip_tables: (C) 2000-2006 Netfilter Core Team
```

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355    [    6.772339] systemd[1]: systemd 232 running in system mode. (+PAM +AUDIT +SELINUX
       +IMA +APPARMOR +SMACK +SYSVINIT +UTMP +LIBCRYPTSETUP +GCRYPT +GNUTLS +ACL +XZ +LZ4
       +SECCOMP +BLKID +ELFUTILS +KMOD +IDN)
356    [    6.791242] systemd[1]: Detected architecture arm.
357
358    Welcome to ESC[1mDebian GNU/Linux 9 (stretch)ESC[0m!
359
360    [    6.837428] systemd[1]: Set hostname to <bone-0834>.
361    [    7.543256] systemd[1]: Listening on Journal Audit Socket.
362    [ESC[0;32m  OK  ESC[0m] Listening on Journal Audit Socket.
363    [    7.563242] systemd[1]: Listening on Journal Socket.
364    [ESC[0;32m  OK  ESC[0m] Listening on Journal Socket.
365    [    7.574949] systemd[1]: Reached target Remote File Systems.
366    [ESC[0;32m  OK  ESC[0m] Reached target Remote File Systems.
367    [    7.587186] systemd[1]: Listening on Syslog Socket.
368    [ESC[0;32m  OK  ESC[0m] Listening on Syslog Socket.
369    [    7.599153] systemd[1]: Listening on fsck to fsckd communication Socket.
370    [ESC[0;32m  OK  ESC[0m] Listening on fsck to fsckd communication Socket.
371    [    7.619958] systemd[1]: Created slice System Slice.
372    [ESC[0;32m  OK  ESC[0m] Created slice System Slice.
373    [    7.631939] systemd[1]: Created slice system-getty.slice.
374    [ESC[0;32m  OK  ESC[0m] Created slice system-getty.slice.
375    [    7.648209] systemd[1]: Set up automount Arbitrary Executable File Formats File
       System Automount Point.
376    [ESC[0;32m  OK  ESC[0m] Set up automount Arbitrary Executab…rmats File System Automount
       Point.
377    [    7.680037] systemd[1]: Starting Load Kernel Modules...
378             Starting Load Kernel Modules...
379    [    7.698957] systemd[1]: Listening on udev Kernel Socket.
380    [ESC[0;32m  OK  ESC[0m] Listening on udev Kernel Socket.
381    [    7.748176] systemd[1]: Starting Create list of required static device nodes for the
       current kernel...
382             Starting Create list of required st…ce nodes for the current kernel...
383    [    7.799991] systemd[1]: Created slice system-serial\x2dgetty.slice.
384    [    7.822932] eqep 48300180.eqep: ver. 1.0
385    [ESC[0;32m  OK  ESC[0m] Created slice system-serial\x2dgetty.slice.
386    [    7.842368] eqep 48300180.eqep: unable to select pin group
387    [    7.886507] eqep 48302180.eqep: ver. 1.0
388    [    7.898522] systemd[1]: Starting File System Check on Root Device...
389    [    7.920234] eqep 48302180.eqep: unable to select pin group
390             Starting File System Check on Root Device...
391    [    7.951301] systemd[1]: Listening on udev Control Socket.
392    [    7.957457] eqep 48304180.eqep: ver. 1.0
393    [    7.974537] eqep 48304180.eqep: unable to select pin group
394    [ESC[0;32m  OK  ESC[0m] Listening on udev Control Socket.
395    [    7.991089] systemd[1]: Listening on Journal Socket (/dev/log).
396    [ESC[0;32m  OK  ESC[0m] Listening on Journal Socket (/dev/log).
397    [    8.015236] systemd[1]: Mounting /sys/kernel/debug...
398             Mounting /sys/kernel/debug...
399    [    8.080078] systemd[1]: Starting Journal Service...
400             Starting Journal Service...
401    [    8.198831] systemd[1]: Reached target Swap.
402    [ESC[0;32m  OK  ESC[0m] Reached target Swap.
403    [    8.239260] systemd[1]: Started Dispatch Password Requests to Console Directory Watch.
404    [ESC[0;32m  OK  ESC[0m] Started Dispatch Password Requests to Console Directory Watch.
405    [    8.299683] systemd[1]: Listening on /dev/initctl Compatibility Named Pipe.
406    [ESC[0;32m  OK  ESC[0m] Listening on /dev/initctl Compatibility Named Pipe.
407    [    8.343407] systemd[1]: Mounting POSIX Message Queue File System...
408             Mounting POSIX Message Queue File System...
409    [    8.391889] systemd[1]: Created slice User and Session Slice.
410    [ESC[0;32m  OK  ESC[0m] Created slice User and Session Slice.
411    [    8.454799] systemd[1]: Reached target Slices.
412    [ESC[0;32m  OK  ESC[0m] Reached target Slices.
413    [    8.479273] systemd[1]: Started Forward Password Requests to Wall Directory Watch.
414    [ESC[0;32m  OK  ESC[0m] Started Forward Password Requests to Wall Directory Watch.
415    [    8.510665] systemd[1]: Reached target Encrypted Volumes.
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416    [ESC[0;32m  OK  ESC[0m] Reached target Encrypted Volumes.
417    [    8.530683] systemd[1]: Reached target Paths.
418    [ESC[0;32m  OK  ESC[0m] Reached target Paths.
419    [    8.568000] systemd[1]: Mounted POSIX Message Queue File System.
420    [ESC[0;32m  OK  ESC[0m] Mounted POSIX Message Queue File System.
421    [    8.602800] systemd[1]: Mounted /sys/kernel/debug.
422    [ESC[0;32m  OK  ESC[0m] Mounted /sys/kernel/debug.
423    [    8.623687] systemd[1]: Started Journal Service.
424    [ESC[0;32m  OK  ESC[0m] Started Journal Service.
425    [ESC[0;32m  OK  ESC[0m] Started Load Kernel Modules.
426    [ESC[0;32m  OK  ESC[0m] Started Create list of required sta…vice nodes for the current
       kernel.
427    [ESC[0;32m  OK  ESC[0m] Started File System Check on Root Device.
428    [ESC[0;32m  OK  ESC[0m] Started File System Check Daemon to report status.
429             Starting Remount Root and Kernel File Systems...
430             Starting Create Static Device Nodes in /dev...
431             Mounting FUSE Control File System...
432    [    8.993286] EXT4-fs (mmcblk0p1): re-mounted. Opts: errors=remount-ro
433             Starting Apply Kernel Variables...
434           Sounting Configuration File System...
435    /[ESC[0;32m  OK  ESC[0m] Mounted FUSE Control File System.
436    [ESC[0;32m  OK  ESC[0m] Mounted Configuration File System.
437    [ESC[0;32m  OK  ESC[0m] Started Remount Root and Kernel File Systems.
438    [ESC[0;32m  OK  ESC[0m] Started Create Static Device Nodes in /dev.
439    [ESC[0;32m  OK  ESC[0m] Started Apply Kernel Variables.
440             Starting udev Kernel Device Manager...
441    [ESC[0;32m  OK  ESC[0m] Reached target Local File Systems (Pre).
442             Starting Load/Save Random Seed...
443             Starting Flush Journal to Persistent Storage...
444    [ESC[0;32m  OK  ESC[0m] Reached target Local File Systems.
445             Starting Raise network interfaces...
446             Starting udev Coldplug all Devices...
447    [ESC[0;32m  OK  ESC[0m] Started Load/Save Random Seed.
448    [ESC[0;32m  OK  ESC[0m] Started udev Kernel Device Manager.
449    [   10.081037] systemd-journald[197]: Received request to flush runtime journal from
       PID 1
450    [ESC[0;32m  OK  ESC[0m] Started Entropy daemon using the HAVEGE algorithm.
451    [ESC[0;32m  OK  ESC[0m] Started Flush Journal to Persistent Storage.
452             Starting Create Volatile Files and Directories...
453    [ESC[0;32m  OK  ESC[0m] Started Create Volatile Files and Directories.
454             Starting Network Time Synchronization...
455             Starting Update UTMP about System Boot/Shutdown...
456    [ESC[0;32m  OK  ESC[0m] Started Update UTMP about System Boot/Shutdown.
457    [ESC[0;32m  OK  ESC[0m] Started Network Time Synchronization.
458    [ESC[0;32m  OK  ESC[0m] Reached target System Time Synchronized.
459    [ESC[0;32m  OK  ESC[0m] Started Raise network interfaces.
460    [ESC[0;32m  OK  ESC[0m] Started udev Coldplug all Devices.
461    [ESC[0;32m  OK  ESC[0m] Reached target System Initialization.
462    [ESC[0;32m  OK  ESC[0m] Started Daily Cleanup of Temporary Directories.
463    [ESC[0;32m  OK  ESC[0m] Listening on cloud9.socket.
464    [ESC[0;32m  OK  ESC[0m] Listening on bonescript.socket.
465    [ESC[0;32m  OK  ESC[0m] Listening on D-Bus System Message Bus Socket.
466    [ESC[0;32m  OK  ESC[0m] Listening on node-red.socket.
467    [ESC[0;32m  OK  ESC[0m] Listening on Avahi mDNS/DNS-SD Stack Activation Socket.
468    [ESC[0;32m  OK  ESC[0m] Reached target Sockets.
469    [ESC[0;32m  OK  ESC[0m] Reached target Basic System.
470             Starting System Logging Service...
471             Starting Generic Board Startup...
472    [ESC[0;32m  OK  ESC[0m] Started Deferred execution scheduler.
473             Starting Cape Manager Service...
474             Starting BB WL18xx wlan0 Service...
475    [ESC[0;32m  OK  ESC[0m] Started Bonescript autorun.
476             Starting Login Service...
477    [   13.237584] random: nonblocking pool is initialized
478             Starting LSB: Start busybox udhcpd at boot time...
479             Starting LSB: Load kernel modules needed to enable cpufreq scaling...
```

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480    [ESC[0;32m  OK  ESC[0m] Started D-Bus System Message Bus.
481             Starting Connection service...
482    [ESC[0;32m  OK  ESC[0m] Started Regular background program processing daemon.
483             Starting Avahi mDNS/DNS-SD Stack...
484    [ESC[0;32m  OK  ESC[0m] Started System Logging Service.
485    [ESC[0;32m  OK  ESC[0m] Started Cape Manager Service.
486    [ESC[0;32m  OK  ESC[0m] Found device /dev/ttyS0.
487    [ESC[0;32m  OK  ESC[0m] Started LSB: Start busybox udhcpd at boot time.
488    [ESC[0;32m  OK  ESC[0m] Started Avahi mDNS/DNS-SD Stack.
489    [    20.217851] using random self ethernet address
490    [    20.222489] using random host ethernet address
491    [ESC[0;32m  OK  ESC[0m] Started Connection service.
492    [ESC[0;32m  OK  ESC[0m] Started Login Service.
493    [ESC[0;32m  OK  ESC[0m] Reached target Network.
494             Starting OpenBSD Secure Shell server...
495    [    20.443779] using random self ethernet address
496    [    20.448433] using random host ethernet address
497             Starting The Apache HTTP Server...
498    [    20.543051] nf_conntrack version 0.5.0 (7796 buckets, 31184 max)
499             Starting Permit User Sessions...
500    [ESC[0;32m  OK  ESC[0m] Reached target Network is Online.
501             Starting LSB: Advanced IEEE 802.11 management daemon...
502    [ESC[0;32m  OK  ESC[0m] Started Daily apt download activities.
503    [ESC[0;32m  OK  ESC[0m] Started Daily apt upgrade and clean activities.
504    [ESC[0;32m  OK  ESC[0m] Reached target Timers.
505    [    21.078300] Mass Storage Function, version: 2009/09/11
506    [    21.114268] LUN: removable file: (no medium)
507    [ESC[0;32m  OK  ESC[0m] Started Permit User Sessions.
508    [ESC[0;32m  OK  ESC[0m] Started LSB: Advanced IEEE 802.11 management daemon.
509    [ESC[0;32m  OK  ESC[0m] Started Getty on tty1.
510    [ESC[0;32m  OK  ESC[0m] Started Serial Getty on ttyS0.
511    [ESC[0;32m  OK  ESC[0m] Reached target Login Prompts.
512    [    21.569687] usb0: HOST MAC ec:11:27:bf:08:41
513    [    21.627963] usb0: MAC ec:11:27:bf:08:42
514    [ESC[0;32m  OK  ESC[0m] Started OpenBSD Secure Shell server.
515    [    21.675404] usb1: HOST MAC ec:11:27:bf:08:44
516    [    21.725734] usb1: MAC ec:11:27:bf:08:45
517             Starting WPA supplicant...
518             Starting Hostname Service...
519    [ESC[0;32m  OK  ESC[0m] Started LSB: Load kernel modules needed to enable cpufreq
       scaling.
520    [    22.333803] configfs-gadget gadget: high-speed config #1: c
521             Starting LSB: set CPUFreq kernel parameters...
522    [ESC[0;32m  OK  ESC[0m] Started WPA supplicant.
523    [ESC[0;32m  OK  ESC[0m] Started Hostname Service.
524    [ESC[0;32m  OK  ESC[0m] Started LSB: set CPUFreq kernel parameters.
525    [ESC[0;32m  OK  ESC[0m] Started The Apache HTTP Server.
526    [    24.876628] CAN device driver interface
527    [    25.110323] c_can_platform 481d0000.can: c_can_platform device registered
       (regs=fa1d0000, irq=171)
528    [    25.432119] omap_rng 48310000.rng: OMAP Random Number Generator ver. 20
529    [    27.337550] omap-sham 53100000.sham: hw accel on OMAP rev 4.3
530
531
532    bone-0834 login: [    27.583060] omap-aes 53500000.aes: OMAP AES hw accel rev: 3.2
533    [    31.183126] wlcore: wl18xx HW: 183x or 180x, PG 2.2 (ROM 0x11)
534    [    31.332422] wlcore: loaded
535    [    31.340578] Bluetooth: Core ver 2.21
536    [    31.378415] NET: Registered protocol family 31
537    [    31.382985] Bluetooth: HCI device and connection manager initialized
538    [    31.450174] Bluetooth: HCI socket layer initialized
539    [    31.462216] Bluetooth: L2CAP socket layer initialized
540    [    31.482673] Bluetooth: SCO socket layer initialized
541    [    31.534746] Bluetooth: HCI UART driver ver 2.3
542    [    31.539325] Bluetooth: HCI UART protocol H4 registered
543    [    31.544549] Bluetooth: HCI UART protocol BCSP registered
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544  [   31.549908] Bluetooth: HCI UART protocol LL registered
545  [   31.555089] Bluetooth: HCI UART protocol ATH3K registered
546  [   31.560529] Bluetooth: HCI UART protocol Three-wire (H5) registered
547  [   31.618220] Bluetooth: HCI UART protocol BCM registered
548  [   31.623588] Bluetooth: HCI UART protocol QCA registered
549  [   31.878476] wlcore: PHY firmware version: Rev 8.2.0.0.236
550  [   31.952442] wlcore: firmware booted (Rev 8.9.0.0.69)
551  [   32.024865] IPv6: ADDRCONF(NETDEV_UP): wlan0: link is not ready
552  [   32.041253] Bluetooth: BNEP (Ethernet Emulation) ver 1.3
553  [   32.046772] Bluetooth: BNEP filters: protocol multicast
554  [   32.108976] Bluetooth: BNEP socket layer initialized
555
556
557  [   49.937897] IPv6: ADDRCONF(NETDEV_UP): SoftAp0: link is not ready
558  [   51.989684] wlcore: down
559  [   52.145331] IPv6: ADDRCONF(NETDEV_CHANGE): SoftAp0: link becomes ready
560
561
562  bone-0834 login: debian
563
564  Password:
565  Last login: Thu Sep 28 09:50:31 EDT 2017 from 192.168.7.1 on pts/0
566  Linux bone-0834 4.4.84-ti-r120 #1 SMP Sun Aug 27 03:11:07 UTC 2017 armv7l
567  ESC[01;34mdebian@bone-0834ESC[00m:ESC[01;33m~ESC[00m$ sudo reboot
568  sudo: unable to resolve host bone-0834
569  [sudo] password for debian:
570  [ESC[0;32m  OK  ESC[0m] Stopped target Bluetooth.
571  [ESC[0;32m  OK  ESC[0m] Stopped target Graphical Interface.
572          Stopping Cloud9 IDE...
573  [ESC[0;32m  OK  ESC[0m] Stopped target Multi-User System.
574          Stopping OpenBSD Secure Shell server...
575          Stopping Avahi mDNS/DNS-SD Stack...
576          Stopping LSB: set CPUFreq kernel parameters...
577          Stopping Regular background program processing daemon...
578          Stopping BB WL18xx Bluetooth Service...
579          Stopping The Apache HTTP Server...
580          Stopping Bonescript autorun...
581          Stopping Login Service...
582          Stopping Deferred execution scheduler...
583          Stopping LSB: Start busybox udhcpd at boot time...
584          Stopping BB WL18xx wlan0 Service...
585  [  109.633600] wlcore: down
586          Stopping LSB: Advanced IEEE 802.11 management daemon...
587  [ESC[0;32m  OK  ESC[0m] Closed Load/Save RF Kill Switch Status /dev/rfkill Watch.
588  [ESC[0;32m  OK  ESC[0m] Stopped target Timers.
589  [ESC[0;32m  OK  ESC[0m] Stopped Daily apt upgrade and clean activities.
590  [ESC[0;32m  OK  ESC[0m] Stopped Daily apt download activities.
591  [ESC[0;32m  OK  ESC[0m] Stopped target System Time Synchronized.
592  [ESC[0;32m  OK  ESC[0m] Stopped Daily Cleanup of Temporary Directories.
593  [ESC[0;32m  OK  ESC[0m] Reached target Unmount All Filesystems.
594          Stopping System Logging Service...
595  [ESC[0;32m  OK  ESC[0m] Stopped System Logging Service.
596  [ESC[0;32m  OK  ESC[0m] Stopped Deferred execution scheduler.
597  [ESC[0;32m  OK  ESC[0m] Stopped Bonescript autorun.
598  [ESC[0;32m  OK  ESC[0m] Stopped Login Service.
599  [ESC[0;32m  OK  ESC[0m] Stopped Regular background program processing daemon.
600  [ESC[0;32m  OK  ESC[0m] Stopped Avahi mDNS/DNS-SD Stack.
601  [ESC[0;32m  OK  ESC[0m] Stopped OpenBSD Secure Shell server.
602  [ESC[0;32m  OK  ESC[0m] Stopped BB WL18xx wlan0 Service.
603  [ESC[0;32m  OK  ESC[0m] Stopped Cloud9 IDE.
604  [ESC[0;32m  OK  ESC[0m] Stopped LSB: Advanced IEEE 802.11 management daemon.
605  [ESC[0;32m  OK  ESC[0m] Stopped LSB: Start busybox udhcpd at boot time.
606  [ESC[0;32m  OK  ESC[0m] Stopped target Network is Online.
607  [ESC[0;32m  OK  ESC[0m] Stopped LSB: set CPUFreq kernel parameters.
608          Stopping LSB: Load kernel modules needed to enable cpufreq scaling...
609  [ESC[0;32m  OK  ESC[0m] Stopped LSB: Load kernel modules needed to enable cpufreq
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      scaling.
610   [ESC[0;32m  OK  ESC[0m] Stopped BB WL18xx Bluetooth Service.
611            Stopping Bluetooth service...
612   [ESC[0;32m  OK  ESC[0m] Stopped target Login Prompts.
613            Stopping Serial Getty on ttyGS0...
614            Stopping Getty on tty1          Stopping Serial Getty on ttyS0...
615   [ESC[0;32m  OK  ESC[0m] Stopped Getty on tty1.
616   [ESC[0;32m  OK  ESC[0m] Stopped Serial Getty on ttyS0.
617   [ESC[0;32m  OK  ESC[0m] Stopped The Apache HTTP Server.
618   [ESC[0;32m  OK  ESC[0m] Stopped Serial Getty on ttyGS0.
619   [ESC[0;32m  OK  ESC[0m] Stopped Bluetooth service.
620   [ESC[0;32m  OK  ESC[0m] Stopped target Host and Network Name Lookups.
621            Stopping dnsmasq - A lightweight DHCP and caching DNS server...
622   [ESC[0;32m  OK  ESC[0m] Removed slice system-serial\x2dgetty.slice.
623   [ESC[0;32m  OK  ESC[0m] Removed slice system-getty.slice.
624            Stopping Permit User Sessions...
625   [ESC[0;32m  OK  ESC[0m] Stopped Permit User Sessions.
626   [ESC[0;32m  OK  ESC[0m] Stopped target Remote File Systems.
627   [ESC[0;32m  OK  ESC[0m] Stopped dnsmasq - A lightweight DHCP and caching DNS server.
628   [ESC[0;32m  OK  ESC[0m] Stopped target Network.
629            Stopping Connection service...
630   [  112.458035] wlcore: down
631            Stopping WPA supplicant...
632            Stopping Raise network interfaces...
633   [ESC[0;32m  OK  ESC[0m] Stopped WPA supplicant.
634   [ESC[0;32m  OK  ESC[0m] Stopped Connection service.
635            Stopping D-Bus System Message Bus...
636   [ESC[0;32m  OK  ESC[0m] Stopped D-Bus System Message Bus.
637   [ESC[0;32m  OK  ESC[0m] Stopped target Basic System.
638   [ESC[0;32m  OK  ESC[0m] Stopped target Sockets.
639   [ESC[0;32m  OK  ESC[0m] Closed cloud9.socket.
640   [ESC[0;32m  OK  ESC[0m] Closed bonescript.socket.
641   [ESC[0;32m  OK  ESC[0m] Closed Syslog Socket.
642   [ESC[0;32m  OK  ESC[0m] Closed Avahi mDNS/DNS-SD Stack Activation Socket.
643   [ESC[0;32m  OK  ESC[0m] Closed node-red.socket.
644   [ESC[0;32m  OK  ESC[0m] Stopped target Paths.
645   [ESC[0;32m  OK  ESC[0m] Stopped target Slices.
646   [ESC[0;32m  OK  ESC[0m] Removed slice User and Session Slice.
647   [ESC[0;32m  OK  ESC[0m] Closed D-Bus System Message Bus Socket.
648   [ESC[0;32m  OK  ESC[0m] Stopped target System Initialization.
649   [ESC[0;32m  OK  ESC[0m] Stopped target Swap.
650            Stopping Update UTMP about System Boot/Shutdown...
651   [ESC[0;32m  OK  ESC[0m] Stopped target Encrypted Volumes.
652   [ESC[0;32m  OK  ESC[0m] Stopped Dispatch Password Requests to Console Directory Watch.
653   [ESC[0;32m  OK  ESC[0m] Stopped Forward Password Requests to Wall Directory Watch.
654            Stopping Load/Save Random Seed...
655            Stopping Network Time Synchronization...
656   [ESC[0;32m  OK  ESC[0m] Stopped Network Time Synchronization.
657   [ESC[0;32m  OK  ESC[0m] Stopped Update UTMP about System Boot/Shutdown.
658   [ESC[0;32m  OK  ESC[0m] Stopped Load/Save Random Seed.
659   [ESC[0;32m  OK  ESC[0m] Stopped Create Volatile Files and Directories.
660   [ESC[0;32m  OK  ESC[0m] Stopped Raise network interfaces.
661   [ESC[0;32m  OK  ESC[0m] Stopped Apply Kernel Variables.
662   [ESC[0;32m  OK  ESC[0m] Stopped target Local File Systems.
663   [ESC[0;32m  OK  ESC[0m] Stopped target Local File Systems (Pre).
664   [ESC[0;32m  OK  ESC[0m] Stopped Create Static Device Nodes in /dev.
665   [ESC[0;32m  OK  ESC[0m] Stopped Remount Root and Kernel File Systems.
666   [ESC[0;32m  OK  ESC[0m] Stopped Load Kernel Modules.
667   [ESC[0;32m  OK  ESC[0m] Reached target Shutdown.
668   [  117.126757] watchdog watchdog0: watchdog did not stop!
669   [  129.608080] systemd-shutdown[1]: Sending SIGTERM to remaining processes...
670   [  129.632710] systemd-journald[197]: Received SIGTERM from PID 1 (systemd-shutdow).
671   [  129.671487] systemd-shutdown[1]: Sending SIGKILL to remaining processes...
672   [  129.702726] systemd-shutdown[1]: Hardware watchdog 'OMAP Watchdog', version 0
673   [  129.712718] systemd-shutdown[1]: Unmounting file systems.
674   [  129.719769] systemd-shutdown[1]: Remounting '/' read-only with options
```

```
         'errors=remount-ro,data=ordered'.
675      [  132.666914] EXT4-fs (mmcblk0p1): re-mounted. Opts: errors=remount-ro,data=ordered
676      [  132.686477] systemd-shutdown[1]: Remounting '/' read-only with options
         'errors=remount-ro,data=ordered'.
677      [  132.697306] EXT4-fs (mmcblk0p1): re-mounted. Opts: errors=remount-ro,data=ordered
678      [  132.704996] systemd-shutdown[1]: All filesystems unmounted.
679      [  132.710648] systemd-shutdown[1]: Deactivating swaps.
680      [  132.715952] systemd-shutdown[1]: All swaps deactivated.
681      [  132.721346] systemd-shutdown[1]: Detaching loop devices.
682      [  132.731855] systemd-shutdown[1]: All loop devices detached.
683      [  132.737700] systemd-shutdown[1]: Detaching DM devices.
684      [  132.743447] systemd-shutdown[1]: All DM devices detached.
685      [  132.764797] systemd-shutdown[1]: Failed to read reboot parameter file: No such file
         or directory
686      [  132.773879] systemd-shutdown[1]: Rebooting.
687      [  132.795173] musb-hdrc musb-hdrc.1.auto: remove, state 4
688      [  132.800525] usb usb1: USB disconnect, device number 1
689      [  132.806454] musb-hdrc musb-hdrc.1.auto: USB bus 1 deregistered
690      [  132.812778] configfs-gadget gadget: unbind function 'rndis'/dacdae40
691      [  132.819299] configfs-gadget gadget: unbind function 'cdc_ethernet'/dacaaf00
692      [  132.826328] configfs-gadget gadget: unbind function 'acm'/dac40180
693      [  132.832558] configfs-gadget gadget: unbind function 'Mass Storage Function'/dc454f80
694      [  132.846359] reboot: Restarting system
695
```