

## Viewing Information About Boot Messages (SRC CLI)

**Purpose** If you encounter system problems in a C-series controller after you start the system, you can view information about the boot process.

View messages generated during system boot.

**Action** user@host> **show system boot-messages**

```
Bootdata ok (command line is ro root=/dev/vg0/root console=tty0 console=ttyS0,9600)
Linux version 2.6.9-42.0.3.ELsmp (buildcentos@x8664-build.centos.org) (gcc version 3.4.6 20060404 (Red Hat 3.4.6-3)) #1 SMP Fri Oct 6 06:28:26 CDT 2006
BIOS-provided physical RAM map:
  BIOS-e820: 0000000000000000 - 000000000009ac00 (usable)
  BIOS-e820: 000000000009ac00 - 00000000000a0000 (reserved)
  BIOS-e820: 00000000000ea070 - 0000000000100000 (reserved)
  BIOS-e820: 0000000000100000 - 00000000dffc0000 (usable)
  BIOS-e820: 00000000dffc0000 - 00000000dffc0000 (ACPI data)
  BIOS-e820: 00000000dffc0000 - 00000000dfff0000 (ACPI NVS)
  BIOS-e820: 00000000dfff0000 - 00000000e0000000 (reserved)
  BIOS-e820: 00000000fec00000 - 00000000fec86000 (reserved)
  BIOS-e820: 00000000fee00000 - 00000000fee01000 (reserved)
  BIOS-e820: 00000000ffb00000 - 0000000100000000 (reserved)
  BIOS-e820: 0000000100000000 - 0000000220000000 (usable)
ACPI: RSDP (v000 ACPIAM ) @ 0x000000000000f7760
ACPI: RSDT (v001 A M I OEMRSDT 0x03000529 MSFT 0x00000097) @ 0x00000000dffc0000
ACPI: FADT (v002 A M I OEMFACP 0x03000529 MSFT 0x00000097) @ 0x00000000dffc0200
ACPI: MADT (v001 A M I OEMAPIC 0x03000529 MSFT 0x00000097) @ 0x00000000dffc0390
ACPI: OEMB (v001 A M I AMI_OEM 0x03000529 MSFT 0x00000097) @ 0x00000000dffc0400
ACPI: DSDT (v001 DVLG2 DVLG2007 0x00000007 INTL 0x02002026) @ 0x0000000000000000
No NUMA configuration found
Faking a node at 0000000000000000-0000000220000000
Bootmem setup node 0 0000000000000000-0000000220000000
No mptable found.
On node 0 totalpages: 2228224
  DMA zone: 4096 pages, LIFO batch:1
  Normal zone: 2224128 pages, LIFO batch:16
  HighMem zone: 0 pages, LIFO batch:1
DMI 2.3 present.
ACPI: PM-Timer IO Port: 0x408
ACPI: Local APIC address 0xfec00000
ACPI: LAPIC (acpi_id[0x01] lapic_id[0x00] enabled)
Processor #0 15:4 APIC version 16
ACPI: LAPIC (acpi_id[0x02] lapic_id[0x06] enabled)
Processor #6 15:4 APIC version 16
ACPI: LAPIC (acpi_id[0x03] lapic_id[0x01] enabled)
Processor #1 15:4 APIC version 16
ACPI: LAPIC (acpi_id[0x04] lapic_id[0x07] enabled)
Processor #7 15:4 APIC version 16
Setting APIC routing to flat
ACPI: IOAPIC (id[0x08] address[0xfec00000] gsi_base[0])
IOAPIC[0]: apic_id 8, version 32, address 0xfec00000, GSI 0-23
ACPI: IOAPIC (id[0x09] address[0xfec10000] gsi_base[24])
IOAPIC[1]: apic_id 9, version 32, address 0xfec10000, GSI 24-4
ACPI: INT_SRC_OVR (bus 0 bus_irq 0 global_irq 2 dfl dfl)
```

```

ACPI: INT_SRC_OVR (bus 0 bus_irq 9 global_irq 9 high level)
ACPI: IRQ0 used by override.
ACPI: IRQ2 used by override.
ACPI: IRQ9 used by override.
Using ACPI (MADT) for SMP configuration information
Allocating PCI resources starting at e2000000 (gap: e0000000:1ec00000)
Checking aperture...
Built 1 zonelists
Kernel command line: ro root=/dev/vg0/root console=tty0 console=ttyS0,9600
Initializing CPU#0
PID hash table entries: 4096 (order: 12, 131072 bytes)
time.c: Using 3.579545 MHz PM timer.
time.c: Detected 3200.267 MHz processor.
Console: colour VGA+ 80x25
Dentry cache hash table entries: 2097152 (order: 12, 16777216 bytes)
Inode-cache hash table entries: 1048576 (order: 11, 8388608 bytes)
Placing software IO TLB between 0x28c1000 - 0x68c1000
Memory: 8168568k/8912896k available (2106k kernel code, 0k reserved, 1297k data,
    196k init)
Calibrating delay using timer specific routine.. 6406.43 BogoMIPS (1pj=3203218)
Security Scaffold v1.0.0 initialized
SELinux: Initializing.
SELinux: Starting in permissive mode
There is already a security framework initialized, register_security failed.
selinux_register_security: Registering secondary module capability
Capability LSM initialized as secondary
Mount-cache hash table entries: 256 (order: 0, 4096 bytes)
CPU: Trace cache: 12K uops, L1 D cache: 16K
CPU: L2 cache: 2048K
using mwait in idle threads.
CPU0: Initial APIC ID: 0, Physical Processor ID: 0
Using IO APIC NMI watchdog
CPU: Trace cache: 12K uops, L1 D cache: 16K
CPU: L2 cache: 2048K
CPU0: Initial APIC ID: 0, Physical Processor ID: 0
CPU0: Intel(R) Xeon(TM) CPU 3.20GHz stepping 03
per-CPU timeslice cutoff: 705.82 usecs.
task migration cache decay timeout: 1 msecs.
Booting processor 1/6 rip 6000 rsp 10006945f58
Initializing CPU#1
Calibrating delay using timer specific routine.. 6399.38 BogoMIPS (1pj=3199690)
CPU: Trace cache: 12K uops, L1 D cache: 16K
CPU: L2 cache: 2048K
CPU1: Initial APIC ID: 6, Physical Processor ID: 3
Intel(R) Xeon(TM) CPU 3.20GHz stepping 03
Booting processor 2/1 rip 6000 rsp 1000697df58
Initializing CPU#2
Calibrating delay using timer specific routine.. 6399.32 BogoMIPS (1pj=3199664)
CPU: Trace cache: 12K uops, L1 D cache: 16K
CPU: L2 cache: 2048K

```

#### Related Topics

- Viewing Information About Boot Messages (C-Web Interface)
- Viewing Information About a C-series Controller
- Viewing Information About Components Installed (SRC CLI)
- Viewing Information About System Disk Status
- For information about configuring C-series controllers, see the *SRC-PE C-Web Interface Configuration Guide*