# CVE Detail – CVE-2009-3620

The ATI Rage 128 (aka r128) driver in the Linux kernel before 2.6.31-git11 does not properly verify Concurrent Command Engine (CCE) state initialization, which allows local users to cause a denial of service (NULL pointer dereference and system crash) or possibly gain privileges via unspecified ioctl calls.

## Threat-Mapped Scoring

Score: 1.5

Priority: P4 - Informational (Low)

## EPSS

EPSS Score: N/A

Percentile: 0.28249

## CVSS Scoring

CVSS v3.1 Score: 7.8

Severity: HIGH

## Mapped CWE(s)

* CWE-476: NULL Pointer Dereference
* CWE-908: Use of Uninitialized Resource

## Affected Products

* cpe:2.3:o:linux:linux\_kernel:\*:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:fedoraproject:fedora:10:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:canonical:ubuntu\_linux:6.06:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:canonical:ubuntu\_linux:8.04:\*:\*:\*:-:\*:\*:\*
* cpe:2.3:o:canonical:ubuntu\_linux:8.10:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:canonical:ubuntu\_linux:9.04:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:canonical:ubuntu\_linux:9.10:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:redhat:mrg\_realtime:1.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:suse:linux\_enterprise\_debuginfo:10:sp2:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:suse:linux\_enterprise\_debuginfo:10:sp3:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:opensuse:opensuse:11.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:suse:linux\_enterprise\_desktop:10:sp2:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:suse:linux\_enterprise\_desktop:10:sp3:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:suse:linux\_enterprise\_server:8:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:suse:linux\_enterprise\_server:10:sp2:\*:\*:-:\*:\*:\*
* cpe:2.3:o:suse:linux\_enterprise\_server:10:sp3:\*:\*:-:\*:\*:\*