

My name is Scott and I am a member of the Open Community assisting in the development of OPENSUSE via documenting and submitting fault reports. I am passionately known to many senior staff at opensuse.de, who have varying opinions, however this is about fact, gets this issue corrected; and not egos!

For over 3 years, and many high priority bug reports, OPENSUSE 11.x X_64 has major issues in relation to AMD X_64 Overheat Processors.

The issue is about the continual number of Fried Processors and/or CPU BIOS Overheat initiated shut-downs!

Most of us know about the AMD BIOS setting 'Cool N Quiet', where the processors clock speed is controlled via API.

The problem with most default ON settings of this BIOS function, the CPU is very very lazy at up-shifting to nominal CPU clock speeds.

This inordinate delay in getting the best out of the CPU leads many of us to Disable Cool N Quiet without reservation.

During the Installation of any OPENSUSE 11.x X_64 Version using a full NON-Automated Installation the stress over a prolonged period of time on the CPU is dramatic with Cool N Quiet Disabled.

This will either

1. Fry the CPU Beyond Repair!
2. Initiate a BIOS Overheat shut-down in the middle of installation!
3. Cook the CPU with it any add-on PCIE Video Controller Beyond Repair!
4. All of the above!

Other continual high impact CPU's ever-day use will create this very same problem.

The answer is NOT to Enable this BIOS setting as performance suffers to the point where the CPU clock

is so slow at up-shifting to nominal speeds, its X_64 performance is outweighed over a multi core X_32 Intel CPUs

Whilst making global changes to the Linux Kernel is an Option, I feel it is the least eloquent. I feel the answer is for OPENSUSE 11.x to still retain a CPU Frequency Ladder that IS capable of throttling the CPU clock down, if an overheat is detected.

A standard complete Installation of OPENSUSE 11.x with ANY Multi Core X_64 CPU with Cool N Quiet disabled, at an ambient temp of 26C will 100% create an over temp situation with any number of the above.

This together with, and despite of, extra cooling facilities of any CPU Tower.

You need NO data to support this when it is 100% reproducible at 26C ambient as above.

I temp of the GPU IS BY FAR, a vast secondary issue as normal PC cooling tends to look after this. The issue is the heat transfer from multiple cores in most X_64 MD CPU's

OPENSUSE has suffered greatly with development slowdowns in .DE due to Global Financial Considerations.

With a current number of outstanding bugs, in PMS, some 2000 in number; the resources are simply not available

to opensuse.org.de NOR does Novell seem to be able to resource fix this issue.

This is in essence why I am writing to you.

I know you must have internal Problem Management Systems defining this actual problem.

Its solution, I would argue needs your development support IF any Linux X_64 and AMD X_64 Processors are to be a force

to even rattle Intel's pursuit of further origami to its X_32 bit CPU's

Technically I can see no future value in 32 bit CPU's however with the vast amount of 32bit M.S Product on offer, nothing will change in technical excellence.

I am also of the opinion that RED HAT Linux and certainly Novell's Enterprise software, sourced from the OPEN versions could all

benefit from your sponsored development. Please fix this for good, without going through vast expensive arduous Kernel development,

especially whilst its release version is currently plagued with hardware compatibility issues.

I thank you in advance for your escalation of this message, and your time and consideration in its review.

Scott Couston - Australia. .AU - DownUnder where its HOT!

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