Subject: Re: Out of memory panic
Posted by mdelfede on Sat, 19 May 2012 12:05:17 GMT

IMHO in modern OS with virtual memory, a true out-of-memory error is almost impossible.
What you usually get is a system slowdown because of swapping.

OTOH, memory corruptions often are reported as out of memory, and in my experience, there's nothing you can do about it... most recovery routines need working allocators.

The only solution I can think about is to have a separate block of preallocated memory usable by emergency routine as a pool for newly allocated blocks while trying to close gracefully the application, maybe saving some work.
Or, even if not preallocated, the memory could be requested as a big block from OS and then the allocators could switch to that block while shutting down.

Max