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Implement noswap kernel command line option (for systemd-fstab-generator) #6686

[New issue](#)

Open rhertzog opened this issue 23 days ago · 3 comments



rhertzog commented 23 days ago

This is a RFE. On Debian with sysvinit, you could pass "noswap" and the startup sequence would never call "swapon -a". This was used notably by Kali as part of our "forensic" boot menu entry where we try to limit the amount of changes made to the system since the last use.

Systemd currently doesn't respect that option (or any other similar option). It should be relatively easy to implement something similar in `src/fstab-generator/fstab-generator.c`.

One approach might be to add automatically a `ConditionKernelCommandLine=!noswap` to the generated `.swap` units.

Another approach might be to check for the kernel command line option directly in the generator and to not generate the units at all. Or to generate them but not in a path where they are dependencies of `swap.target`.

If you let me know which approach is the one that you want, I can try to prepare a pull request. Also do you want this option to be "noswap" or "systemd.noswap" or both?

Assignees

No one assigned

Labels

Projects

None yet

Milestone

No milestone

2 participants



poettering commented 23 days ago • edited

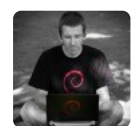
Owner

I figure such a command line option would be OK to have. Not entirely sure about the name though. The kernel command line is primarily the kernel's own thing, and only secondarily userspace territory. Hence for everything we add there we should probably add a "systemd." namespace prefix, just to avoid stepping into the kernel's territory needlessly and possibly provoke some name clash or so.

On top of that, I really don't like "negated" options, i.e. "noswap=no" with its double "no" is just weird. Hence, I'd just call this "systemd.swap=no". Use `proc_cmdline_get_bool()` or so for parsing this.

Hope that makes sense?

poettering added `fstab-generator` `RFE` labels 23 days ago



rhertzog commented 23 days ago

Hope that makes sense?

Fine so far. What approach do you prefer? Generating swap units but not enabling them (i.e. not making them dependencies of `swap.target`)? Or not generating the units at all?

Since you point me to `proc_cmdline_get_bool()` I assume that you rule out adding `ConditionKernelCommandLine=!systemd.swap=no` to the generated units.

Once this is clarified, I can work on a patch but it might take some time as it's not yet on top of my TODO list.



poettering commented 23 days ago

Owner

Fine so far. What approach do you prefer? Generating swap units but not enabling them (i.e. not making them dependencies of `swap.target`)? Or not generating the units at all?

I think the better choice would be to not generate them at all.