

Fedora: ppc64le, release-monitoring.org and GNOME Sessions

By *Roy Schestowitz*

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[Why it's useful to use a desktop on ppc64le](#) [2]

I want provide a short example what I've met in the past weeks when dog-fooding a ppc64le Fedora desktop environment on my OpenPOWER based Talos II. We have experienced segfaults coming from a smashed stack in some desktop components, although no one using the mainstream arches noticed them. The toolchain guys will be able to explain why eg. x86_64 is immune (or just lucky), but the problems were real issues in the projects' source code. The common denominator was an incorrect callback signature for GTK+ based apps, the callbacks expected different parameters than were passed by their callers. And this kind of inconsistency can't be found during compile time. IMHO it opens possibilities for some static analysis before producing the binaries by looking at the signal definitions in GTK+ and what functions/callbacks are then attached to them in the projects. Or for some AI that will analyze the crashes and look for the common pattern and recommend a solution. And what's the conclusion - as usually, heterogeneity helps to improve quality

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[Stories from the amazing world of release-monitoring.org #6](#) [3]

In the dungeons bellow the-new-hotness island was impenetrable darkness. It looks like somebody tried to destroy every source of light. Only my own levitating fireball was shedding some light around. Damage was still visible on walls and furniture, but most of it is now repaired to function properly. I'm glad that you are here with me, otherwise it will be a scary experience. But you probably want to hear what happened.

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[How to Configure Xorg as Default GNOME Session in Fedora](#) [4]

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Source URL: <http://www.tuxmachines.org/node/124994>

Links:

[1] <http://www.tuxmachines.org/taxonomy/term/142>

[2] <https://sharkcz.livejournal.com/13875.html>

[3] <https://communityblog.fedoraproject.org/stories-from-the-amazing-world-of-release-monitoring-org-6/>

[4] <https://www.tecmint.com/configure-xorg-as-default-gnome-session/>