Item 300
git_comments:

1. We might be compiled with syslog.h, which #defines LOG_INFO and LOG_WARNING as ints. But logging.h assumes they're usable as names, within their namespace, so we need to #undef them before including logging.h

git_commits:

1. **summary:** Merge pull request #270 from pagespeed/jefftk-fix-syslog-compatibility
   message: Merge pull request #270 from pagespeed/jefftk-fix-syslog-compatibility logging: fix conflict with syslog

github_issues:

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   body: I added pagespeed module into standard nginx-full debian package, but during compile of package i receive this error: /tmp/ngx_pagespeed/psol/include/third_party/chromium/src/base/logging.h:289: error: expected unqualified-id before numeric constant /tmp/ngx_pagespeed/psol/include/third_party/chromium/src/base/logging.h:290: error: expected unqualified-id before numeric constant make[2]: *** [objs/addon/src/ngx_pagespeed.o] Error 1 make[2]: Leaving directory `/usr/src/nginx/source/nginx-1.2.7/debian/build-full' make[1]: *** [build] Error 2 make[1]: Leaving directory`/usr/src/nginx/source/nginx-1.2.7/debian/build-full' make: *** [build-arch.full] Error 2 dpkg-buildpackage: error: debian/rules build gave error exit status 2
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github_issues_comments:

1. **body:** Could you give more details of what you're doing? That error might be some sort of name collision? Maybe `LOG_INFO` and `LOG_WARNING` are defined as preprocessor macros somewhere else?
   label: code-design
2. I'm trying to make a deb package from nginx-full deb src package... i have added in debian/rules this line to add modules on nginx-full package. --add-module=$(MODULESDIR)/ngx_http_substitutions_filter_module \ --add-module=$(MODULESDIR)/ngx_pagespeed \ after i execute dpkg-buildpackage -uc -b p.s.: I have fight with variable name and after many rename on many file te compile was successfull.. please if you can fix variable name:D
3. > I have fight with variable name and after many rename on many file te compile was successfull Are you saying that after renaming `LOG_INFO` and `LOG_WARNING` to something else, through all of the pagespeed code, you got it to compile? Do you know what file defined the variables they were conflicting with?
4. after a grep in debian src.: :/usr/src/nginx/source/nginx-1.2.7# grep -R " LOG_INFO" * debian/build-full/src/core/ngx_log.c: {ngx_string("info"), LOG_INFO}, debian/build-light/src/core/ngx_log.c: {ngx_string("info"), LOG_INFO}, debian/patches/syslog_1.3.11.patch:+ {ngx_string("info"), LOG_INFO}, debian/build-extras/src/core/ngx_log.c: {ngx_string("info"), LOG_INFO}, src/core/ngx_log.c: {ngx_string("info"), LOG_INFO},
5. Are these debian specific changes to nginx to use LOG_INFO? I'm only seeing NGX_LOG_INFO: ``` $ wget http://nginx.org/download/nginx-1.2.7.tar.gz $ tar -xvzf nginx-1.2.7.tar.gz $ cd nginx-1.2.7/ $ grep -R " LOG_INFO" * [no results] ```
6. Yes bro, apt-get source nginx
7. I'm sorry, I'm not that familiar with `apt-get`. How do I make `apt-get source nginx` get me 1.2.7 and not an older version?
8. I use debian squeeze Linux version 2.6.32-5-amd64 (Debian 2.6.32-48squeeze1) (dannf@debian.org) (gcc version 4.3.5 (Debian 4.3.5-4)) #1 SMP Mon Feb 25 00:26:11 UTC 2013 and the nginx default version was 1.2.7 when i use apt-get source nginx it download nginx_1.2.7-1~dotdeb.1.debian.tar.gz and nginx_1.2.7.orig.tar.gz see here http://apt.cmjscripter.net/dotdeb/dists/squeeze/nginx/source/
9. i Suggest to add a modulesname to variable ex.: NGX_PAGESPEED_LOG_INFO :) thk for your work! :D
10. Unfortunately `logging.h` where we get `LOG_INFO` etc is part of the chromium project: ``` http://src.chromium.org/viewvc/chrome/trunk/src/base/logging.h ``` Because LOG_INFO is defined inside the logging namespace I doubt they would be willing to change it. I think fixing the nginx debian package not to `#define` `LOG_INFO` would probably make more sense.
11. What the debian package is doing is more complex than just `#define`ing `LOG_INFO`. They add a compile-time option `NGX_ENABLE_SYSLOG` which does an `#include <syslog.h>`, and it's `syslog.h` that has `LOG_INFO` etc. ``` nginx-1.2.7/src/http/modules/ngx_http_log_module.c: +#if (NGX_ENABLE_SYSLOG) +#include <syslog.h> ... ``` If you compile nginx without syslog that should fix this error.
12. (And "incompatible with syslog.h" sounds like something I could report to chromium.)
13. **body:** Another way to fix this might be to convert syslog's `#define`s to `const int`s in the preprocessor, as in `fixx11h.h`: ``` #ifdef LOG_INFO #ifndef NGX_PS_LOG_INFO #define NGX_PS_LOG_INFO const int NGX_PS_LOG_INFO_TMP = LOG_INFO; #undef LOG_INFO; const int LOG_INFO = NGX_PS_LOG_INFO_TMP; #endif #undef LOG_INFO #endif ``` (Repeating for `LOG_WARNING`) Because chromium's `logging.h` namespaces their use of `LOG_INFO` and `LOG_WARNING` I think

this should work. It would need to run some time between `#include <syslog.h>` and `#include "base/logging.h"`. Is this worth it?

label: code-design

14. **body:** Actually, talking to @morlovich, can we just put: ``` #undef LOG_INFO #undef LOG_WARNING ``` Somewhere before `#include "base/logging.h"`?

label: code-design

15. **body:** OK bro i have added this : // FIX for compile problem with chromium #ifdef LOG_INFO #undef LOG_INFO #endif #ifdef LOG_WARNING #undef LOG_WARNING #endif into ngx_pagespeed/psol/include/third_party/chromium/src/base/logging.h and all worked fine! thk for ur help!

label: code-design

16. **body:** I Got the same issue @v4l3r10 had while building an nginx package for 1.4.0 with syslog module and pagespeed, add i can confirm the recommended fix and it work! // FIX for compile problem with chromium #ifdef LOG_INFO #undef LOG_INFO #endif #ifdef LOG_WARNING #undef LOG_WARNING #endif

label: code-design

17. Hello Jeff I see some of the code change regarding this issue on 1.5.27.3 but it can't compile as is when syslog module is enabled unfortunately /home/vagrant/nginx-custom/nginx-1.4.1/debian/modules/ngx_pagespeed-release-1.5.27.3-beta/psol/include/third_party/chromium/src/base/logging.h:289: error: expected unqualified-id before numeric constant /home/vagrant/nginx-custom/nginx-1.4.1/debian/modules/ngx_pagespeed-release-1.5.27.3-beta/psol/include/third_party/chromium/src/base/logging.h:290: error: expected unqualified-id before numeric constant /home/vagrant/nginx-custom/nginx-1.4.1/debian/modules/ngx_pagespeed-release-1.5.27.3-beta/src/ngx_pagespeed.cc: In function 'bool ngx_psol::<unnamed>::ps_apply_x_forwarded_proto(ngx_http_request_t_, GoogleString_)': /home/vagrant/nginx-custom/nginx-1.4.1/debian/modules/ngx_pagespeed-release-1.5.27.3-beta/src/ngx_pagespeed.cc:1288: error: expected unqualified-id before numeric constant /home/vagrant/nginx-custom/nginx-1.4.1/debian/modules/ngx_pagespeed-release-1.5.27.3-beta/src/ngx_pagespeed.cc:1288: error: expected ')' before numeric constant /home/vagrant/nginx-custom/nginx-1.4.1/debian/modules/ngx_pagespeed-release-1.5.27.3-beta/src/ngx_pagespeed.cc:1289: error: expected ')' before ';' token /home/vagrant/nginx-custom/nginx-1.4.1/debian/modules/ngx_pagespeed-release-1.5.27.3-beta/src/ngx_pagespeed.cc:1289: error: expected ')' before ';' token make[2]: *** [objs/addon/src/ngx_pagespeed.o] Error 1 Regards M

18. @Tombar has your workaround from last time stopped working? https://github.com/pagespeed/ngx_pagespeed/issues/197#issuecomment-17364537

19. Hello @jeffkaufman If i comment out lines 287 & 288 of ngx_pagespeed-release-1.5.27.3-beta/psol/include/third_party/chromium/src/base/logging.h # const LogSeverity LOG_INFO = 0; # const LogSeverity LOG_WARNING = 1; When trying to compile nginx it complains it can't find the PSOL library configuring additional modules adding module in /home/vagrant/nginx-custom/nginx-1.4.1x/debian/modules/nginx-upstream-fair - ngx_http_upstream_fair_module was configured adding module in /home/vagrant/nginx-custom/nginx-1.4.1x/debian/modules/nginx-cache-purge - ngx_http_cache_purge_module was configured adding module in /home/vagrant/nginx-custom/nginx-1.4.1x/debian/modules/nginx-syslog - ngx_http_cache_purge_module was configured adding module in /home/vagrant/nginx-custom/nginx-1.4.1x/debian/modules/ngx_pagespeed-release-1.5.27.3-beta mod_pagespeed_dir=/home/vagrant/nginx-custom/nginx-1.4.1x/debian/modules/ngx_pagespeed-release-1.5.27.3-beta/psol/include build_from_source=false checking for psol ... not found ./configure: error: module ngx_pagespeed requires the pagespeed optimization library Let me know if you need any other test or info. Regards M

20. If instead of adding a '#' you add ``` #ifdef LOG_INFO #undef LOG_INFO #endif #ifdef LOG_WARNING #undef LOG_WARNING #endif ``` to the top of `chromium/src/base/logging.h`, does that work?

21. Jeff i've test it and it compiles and work :) Thank you sir! Regards M

22. The fix above is not working for me. Using dpkg-buildpackage -b, I get the output as described above. When using straight "make", I get the following output on Ubuntu 12.04, gcc version 4.6.3, nginx 1.4.1, pagespeed 1.5.27.3-beta: cc -c -pipe -O -W -Wall -Wpointer-arith -Wno-unused-parameter -Werror -g -I src/core -I src/event -I src/event/modules -I src/os/unix -I ../ngx_pagespeed-release-1.5.27.3-beta/psol/include -I ../ngx_pagespeed-release-1.5.27.3-beta/psol/include/third_party/chromium/src -I ../ngx_pagespeed-release-1.5.27.3-beta/psol/include/third_party/google-sparsehash/src -I ../ngx_pagespeed-release-1.5.27.3-beta/psol/include/third_party/google-sparsehash/gen/arch/linux/x64/include -I ../ngx_pagespeed-release-1.5.27.3-

beta/psol/include/third_party/protobuf/src -I ../ngx_pagespeed-release-1.5.27.3-beta/psol/include/third_party/re2/src -I ../ngx_pagespeed-release-1.5.27.3-beta/psol/include/out/Release/obj/gen -I ../ngx_pagespeed-release-1.5.27.3-beta/psol/include/third_party/apr/src/include -I ../ngx_pagespeed-release-1.5.27.3-beta/psol/include/third_party/aprutil/src/include -I ../ngx_pagespeed-release-1.5.27.3-beta/psol/include/third_party/apr/gen/arch/linux/x64/include -I ../ngx_pagespeed-release-1.5.27.3-beta/psol/include/third_party/aprutil/gen/arch/linux/x64/include -I objs -I src/http -I src/http/modules -I src/mail \ -o objs/addon/src/ngx_pagespeed.o \ ../ngx_pagespeed-release-1.5.27.3-beta/src/ngx_pagespeed.cc {standard input}: Assembler messages: {standard input}:14830: Warning: end of file not at end of a line; newline inserted {standard input}:16332: Error: unknown pseudo-op: `.' {standard input}: Error: open CFI at the end of file; missing .cfi_endproc directive cc: internal compiler error: Killed (program cc1plus) Please submit a full bug report, with preprocessed source if appropriate. See <file:///usr/share/doc/gcc-4.6/README.Bugs> for instructions. make[1]: *** [objs/addon/src/ngx_pagespeed.o] Error 4 make[1]: Leaving directory`/home/ubuntu/nginx-pagespeed/nginx-1.4.1' make: *** [build] Error 2

23. Hi, is there any plan to fix this issue? It blocks also implementation of PageSpeed into Gentoo, see https://bugs.gentoo.org/661482 Thank you.

github_pulls:

1. **title:** logging: fix conflict with syslog
   body: Fixes #197

github_pulls_comments:

1. LGTM

github_pulls_reviews:

jira_issues:

jira_issues_comments: