

## strongSwan - Bug #3197

### NM applet build error on Debian sid when building with -Werror due to deprecation warning

08.10.2019 17:11 - Harald Dunkel

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Tobias Brunner	<b>Estimated time:</b>	0.00 hour
<b>Category:</b>	networkmanager (charon-nm)	<b>Resolution:</b>	Fixed
<b>Target version:</b>	5.8.3		
<b>Affected version:</b>	5.8.1		
<b>Description</b>			
Trying to build the n-m-s applet 4.5.1 on Debian sid I get an error			
:			
make[1]: Entering directory '/build/network-manager-strongswan-1.4.5'			
make all-recursive			
make[2]: Entering directory '/build/network-manager-strongswan-1.4.5'			
Making all in properties			
make[3]: Entering directory '/build/network-manager-strongswan-1.4.5/properties'			
/bin/bash ../libtool --tag=CC --mode=compile gcc -DHAVE_CONFIG_H -I. -I.. -Wdate-time -D_FORTIFY_SOURCE=2 -pthread -I/usr/include/libnm -I/usr/include/libmount -I/usr/include/blkid -I/usr/include/glib-2.0 -I/usr/lib/x86_64-linux-gnu/glib-2.0/include -DNM_VERSION_MIN_REQUIRED=NM_VERSION_1_2 -DNM_VERSION_MAX_ALLOWED=NM_VERSION_1_2 -pthread -I/usr/include/libnma -I/usr/include/libnm -I/usr/include/libmount -I/usr/include/blkid -I/usr/include/glib-2.0 -I/usr/lib/x86_64-linux-gnu/glib-2.0/include -pthread -I/usr/include/gtk-3.0 -I/usr/include/at-spi2-atk/2.0 -I/usr/include/at-spi-2.0 -I/usr/include/dbus-1.0 -I/usr/lib/x86_64-linux-gnu/dbus-1.0/include -I/usr/include/gtk-3.0 -I/usr/include/gio-unix-2.0 -I/usr/include/cairo -I/usr/include/libdrm -I/usr/include/pango-1.0 -I/usr/include/harfbuzz -I/usr/include/pango-1.0 -I/usr/include/fribidi -I/usr/include/atk-1.0 -I/usr/include/cairo -I/usr/include/pixman-1 -I/usr/include/uuid -I/usr/include/freetype2 -I/usr/include/libpng16 -I/usr/include/gdk-pixbuf-2.0 -I/usr/include/libmount -I/usr/include/blkid -I/usr/include/glib-2.0 -I/usr/lib/x86_64-linux-gnu/glib-2.0/include -DUIDIR=\"/usr/share/gnome-vpn-properties/strongswan\" -DG_DISABLE_DEPRECATED -DGDK_DISABLE_DEPRECATED -Wno-deprecated-declarations -Wall -Werror -std=gnu89 -g -O2 -fdebug-prefix-map=/build/network-manager-strongswan-1.4.5=. -fstack-protector-strong -Wformat -Werror=format-security -Wshadow -Wmissing-declarations -Wmissing-prototypes -Wdeclaration-after-statement -Wfloat-equal -Wno-unused-parameter -Wno-sign-compare -fno-strict-aliasing -c -o libnm_vpn_plugin_strongswan_la-nm-strongswan.lo `test -f 'nm-strongswan.c'    echo './nm-strongswan.c`			
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I.. -Wdate-time -D_FORTIFY_SOURCE=2 -pthread -I/usr/include/libnm -I/usr/include/libmount -I/usr/include/blkid -I/usr/include/glib-2.0 -I/usr/lib/x86_64-linux-gnu/glib-2.0/include -DNM_VERSION_MIN_REQUIRED=NM_VERSION_1_2 -DNM_VERSION_MAX_ALLOWED=NM_VERSION_1_2 -pthread -I/usr/include/libnma -I/usr/include/libnm -I/usr/include/libmount -I/usr/include/blkid -I/usr/include/glib-2.0 -I/usr/lib/x86_64-linux-gnu/glib-2.0/include -pthread -I/usr/include/gtk-3.0 -I/usr/include/at-spi2-atk/2.0 -I/usr/include/at-spi-2.0 -I/usr/include/dbus-1.0 -I/usr/lib/x86_64-linux-gnu/dbus-1.0/include -I/usr/include/gtk-3.0 -I/usr/include/gio-unix-2.0 -I/usr/include/cairo -I/usr/include/libdrm -I/usr/include/pango-1.0 -I/usr/include/harfbuzz -I/usr/include/pango-1.0 -I/usr/include/fribidi -I/usr/include/atk-1.0 -I/usr/include/cairo -I/usr/include/pixman-1 -I/usr/include/uuid -I/usr/include/freetype2 -I/usr/include/libpng16 -I/usr/include/gdk-pixbuf-2.0 -I/usr/include/libmount -I/usr/include/blkid -I/usr/include/glib-2.0 -I/usr/lib/x86_64-linux-gnu/glib-2.0/include -DUIDIR=\"/usr/share/gnome-vpn-properties/strongswan\" -DG_DISABLE_DEPRECATED -DGDK_DISABLE_DEPRECATED -Wno-deprecated-declarations -Wall -Werror -std=gnu89 -g -O2 -fdebug-prefix-map=/build/network-manager-strongswan-1.4.5=. -fstack-protector-strong -Wformat -Werror=format-security -Wshadow -Wmissing-declarations -Wmissing-prototypes -Wdeclaration-after-statement -Wfloat-equal -Wno-unused-parameter -Wno-sign-compare -fno-strict-aliasing -c nm-strongswan.c -fPIC -DPIC -o .libs/libnm_vpn_plugin_strongswan_la-nm-strongswan.o			
nm-strongswan.c: In function 'check_validity':			
nm-strongswan.c:117:13: error: G_ADD_PRIVATE [-Werror]			
117   StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);			
^~~~~~			
nm-strongswan.c: In function 'settings_changed_cb':			
nm-strongswan.c:209:13: error: G_ADD_PRIVATE [-Werror]			
209   StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);			

```

nm-strongswan.c: In function 'show_toggled_cb':
nm-strongswan.c:221:13: error: G_ADD_PRIVATE [-Werror]
  221 |   StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);
      |   ^~~~~~
nm-strongswan.c: In function 'toggle_proposal_cb':
nm-strongswan.c:234:13: error: G_ADD_PRIVATE [-Werror]
  234 |   StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);
      |   ^~~~~~
nm-strongswan.c: In function 'init_password_icon':
nm-strongswan.c:250:13: error: G_ADD_PRIVATE [-Werror]
  250 |   StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);
      |   ^~~~~~
nm-strongswan.c: In function 'init_plugin_ui':
nm-strongswan.c:284:13: error: G_ADD_PRIVATE [-Werror]
  284 |   StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);
      |   ^~~~~~
nm-strongswan.c: In function 'get_widget':
nm-strongswan.c:419:13: error: G_ADD_PRIVATE [-Werror]
  419 |   StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);
      |   ^~~~~~
nm-strongswan.c: In function 'update_connection':
nm-strongswan.c:461:13: error: G_ADD_PRIVATE [-Werror]
  461 |   StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);
      |   ^~~~~~
nm-strongswan.c: In function 'nm_vpn_plugin_ui_widget_interface_new':
nm-strongswan.c:589:13: error: G_ADD_PRIVATE [-Werror]
  589 |   priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (object);
      |   ^~~~~~
nm-strongswan.c: In function 'dispose':
nm-strongswan.c:627:13: error: G_ADD_PRIVATE [-Werror]
  627 |   StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (plugin);
      |   ^~~~~~
cc1: all warnings being treated as errors
make[3]: *** [Makefile:569: libnm_vpn_plugin_strongswan_la-nm-strongswan.lo] Error 1
make[3]: Leaving directory '/build/network-manager-strongswan-1.4.5/properties'
make[2]: *** [Makefile:533: all-recursive] Error 1
make[2]: Leaving directory '/build/network-manager-strongswan-1.4.5'
make[1]: *** [Makefile:423: all] Error 2
make[1]: Leaving directory '/build/network-manager-strongswan-1.4.5'
dh_auto_build: make -j8 returned exit code 2
make: *** [debian/rules:4: build] Error 255
dpkg-buildpackage: error: debian/rules build subprocess returned exit status 2
E: Failed autobuilding of package
I: unmounting dev/ptmx filesystem
I: unmounting dev/pts filesystem
I: unmounting dev/shm filesystem
I: unmounting proc filesystem
I: unmounting sys filesystem
I: cleaning the build env
I: removing directory /local/pbuilder/build//20085 and its subdirectories

```

Full log is attached.

There are no failures on Debian 10.

#### Related issues:

Related to Bug #2765: Networkmanager applet build problem with glib 2.58 and ...

**Closed**

#### Associated revisions

**Revision 18bee930 - 05.02.2020 10:54 - Tobias Brunner**

nm: Replace deprecated `g_type_class_add_private()`

Fixes #2765, #3197.

#### History

## #1 - 08.10.2019 17:22 - Harald Dunkel

- File build-k.sid.txt added

## #2 - 09.10.2019 10:22 - Tobias Brunner

- Related to Bug #2765: Networkmanager applet build problem with glib 2.58 and -Werror due to deprecation warning added

## #3 - 09.10.2019 10:39 - Tobias Brunner

- File glib-private.patch added

- Category set to networkmanager (charon-nm)

- Status changed from New to Feedback

I guess you could get it to build if you do without -Werror as these errors are probably caused by deprecation warnings that are treated as errors (i.e. it's probably an extension of #2765). As seen there and in the log here, we have to replace g\_type\_class\_add\_private. Don't know whether the attached patch is already enough.

## #4 - 16.12.2019 13:59 - Tobias Brunner

Harald, have you been able to verify whether the patch fixes the issue (now also pushed to the 2765-nm-glib-private branch).

## #5 - 06.01.2020 04:25 - Harald Dunkel

Sorry to say, but it still does not build:

```
make[3]: Entering directory '/build/network-manager-strongswan-1.4.5/properties'
/bin/bash ../libtool --tag=CC --mode=compile gcc -DHAVE_CONFIG_H -I. -I.. -Wdate-time -D_FORTIFY_SOURCE=2
-pthread -I/usr/include/libnm -I/usr/include/libmount -I/usr/include/blkid -I/usr/include/glib-2.0 -I/usr/lib
/x86_64-linux-gnu/glib-2.0/include -DNM_VERSION_MIN_REQUIRED=NM_VERSION_1_2 -DNM_VERSION_MAX_ALLOWED=NM_VERSIO
N_1_2 -pthread -I/usr/include/libnma -I/usr/include/libnm -I/usr/include/libmount -I/usr/include/blkid -I/usr/
include/glib-2.0 -I/usr/lib/x86_64-linux-gnu/glib-2.0/include -pthread -I/usr/include/gtk-3.0 -I/usr/include/a
tspi2-atk/2.0 -I/usr/include/at-spi-2.0 -I/usr/include/dbus-1.0 -I/usr/lib/x86_64-linux-gnu/dbus-1.0/include
-I/usr/include/gtk-3.0 -I/usr/include/gio-unix-2.0 -I/usr/include/cairo -I/usr/include/pango-1.0 -I/usr/includ
e/harfbuzz -I/usr/include/pango-1.0 -I/usr/include/frididi -I/usr/include/atk-1.0 -I/usr/include/cairo -I/usr/
include/pixman-1 -I/usr/include/uuid -I/usr/include/freetype2 -I/usr/include/libpng16 -I/usr/include/gdk-pixbu
f-2.0 -I/usr/include/libmount -I/usr/include/blkid -I/usr/include/glib-2.0 -I/usr/lib/x86_64-linux-gnu/glib-2.
0/include -DUIDIR=\"/usr/share/gnome-vpn-properties/strongswan\" -DG_DISABLE_DEPRECATED -DGDK_DISABLE_DEPREC
ATED -Wno-deprecated-declarations -Wall -Werror -std=gnu89 -g -O2 -fdebug-prefix-map=/build/network-manager-st
rongswan-1.4.5=. -fstack-protector-strong -Wformat -Werror=format-security -Wshadow -Wmissing-declarations -Wm
issing-prototypes -Wdeclaration-after-statement -Wfloat-equal -Wno-unused-parameter -Wno-sign-compare -fno-str
ict-aliasing -c -o libnm_vpn_plugin_strongswan_la-nm-strongswan.lo `test -f 'nm-strongswan.c' || echo './'`nm-
strongswan.c
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I.. -Wdate-time -D_FORTIFY_SOURCE=2 -pthread -I/usr/include/libnm
-I/usr/include/libmount -I/usr/include/blkid -I/usr/include/glib-2.0 -I/usr/lib/x86_64-linux-gnu/glib-2.0/incl
ude -DNM_VERSION_MIN_REQUIRED=NM_VERSION_1_2 -DNM_VERSION_MAX_ALLOWED=NM_VERSION_1_2 -pthread -I/usr/include/l
ibnma -I/usr/include/libnm -I/usr/include/libmount -I/usr/include/blkid -I/usr/include/glib-2.0 -I/usr/lib/x86
64-linux-gnu/glib-2.0/include -pthread -I/usr/include/gtk-3.0 -I/usr/include/atspi2-atk/2.0 -I/usr/include/a
tspi-2.0 -I/usr/include/dbus-1.0 -I/usr/lib/x86_64-linux-gnu/dbus-1.0/include -I/usr/include/gtk-3.0 -I/usr/i
nclude/gio-unix-2.0 -I/usr/include/cairo -I/usr/include/pango-1.0 -I/usr/include/harfbuzz -I/usr/include/pango
-1.0 -I/usr/include/frididi -I/usr/include/atk-1.0 -I/usr/include/cairo -I/usr/include/pixman-1 -I/usr/include
/uuid -I/usr/include/freetype2 -I/usr/include/libpng16 -I/usr/include/gdk-pixbuf-2.0 -I/usr/include/libmount -
I/usr/include/blkid -I/usr/include/glib-2.0 -I/usr/lib/x86_64-linux-gnu/glib-2.0/include -DUIDIR=\"/usr/share/
gnome-vpn-properties/strongswan\" -DG_DISABLE_DEPRECATED -DGDK_DISABLE_DEPRECATED -Wno-deprecated-declarations
-Wall -Werror -std=gnu89 -g -O2 -fdebug-prefix-map=/build/network-manager-strongswan-1.4.5=. -fstack-protecto
r-strong -Wformat -Werror=format-security -Wshadow -Wmissing-declarations -Wmissing-prototypes -Wdeclaration-a
fter-statement -Wfloat-equal -Wno-unused-parameter -Wno-sign-compare -fno-strict-aliasing -c nm-strongswan.c
-fPIC -DPIC -o .libs/libnm_vpn_plugin_strongswan_la-nm-strongswan.o
nm-strongswan.c: In function 'check_validity':
nm-strongswan.c:117:13: error: G_ADD_PRIVATE [-Werror]
  117 |   StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);
      |   ^~~~~~
nm-strongswan.c: In function 'settings_changed_cb':
nm-strongswan.c:209:13: error: G_ADD_PRIVATE [-Werror]
  209 |   StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);
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nm-strongswan.c: In function 'show_toggled_cb':
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  221 |   StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);
      |   ^~~~~~
nm-strongswan.c: In function 'toggle_proposal_cb':
nm-strongswan.c:234:13: error: G_ADD_PRIVATE [-Werror]
  234 |   StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);
```

```

| ^~~~~~
nm-strongswan.c: In function 'init_password_icon':
nm-strongswan.c:250:13: error: G_ADD_PRIVATE [-Werror]
 250 | StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);
| ^~~~~~
nm-strongswan.c: In function 'init_plugin_ui':
nm-strongswan.c:284:13: error: G_ADD_PRIVATE [-Werror]
 284 | StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);
| ^~~~~~
nm-strongswan.c: In function 'get_widget':
nm-strongswan.c:419:13: error: G_ADD_PRIVATE [-Werror]
 419 | StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);
| ^~~~~~
nm-strongswan.c: In function 'update_connection':
nm-strongswan.c:461:13: error: G_ADD_PRIVATE [-Werror]
 461 | StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (self);
| ^~~~~~
nm-strongswan.c: In function 'nm_vpn_plugin_ui_widget_interface_new':
nm-strongswan.c:589:13: error: G_ADD_PRIVATE [-Werror]
 589 | priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (object);
| ^~~~~~
nm-strongswan.c: In function 'dispose':
nm-strongswan.c:627:13: error: G_ADD_PRIVATE [-Werror]
 627 | StrongswanPluginUiWidgetPrivate *priv = STRONGSWAN_PLUGIN_UI_WIDGET_GET_PRIVATE (plugin);
| ^~~~~~
cc1: all warnings being treated as errors
make[3]: *** [Makefile:569: libnm_vpn_plugin_strongswan_la-nm-strongswan.lo] Error 1
make[3]: Leaving directory '/build/network-manager-strongswan-1.4.5/properties'
make[2]: *** [Makefile:533: all-recursive] Error 1
make[2]: Leaving directory '/build/network-manager-strongswan-1.4.5'
make[1]: *** [Makefile:423: all] Error 2
make[1]: Leaving directory '/build/network-manager-strongswan-1.4.5'
dh_auto_build: make -j8 returned exit code 2
make: *** [debian/rules:4: build] Error 255

```

#### #6 - 06.01.2020 04:31 - Harald Dunkel

PS: This looks like before, but the patch has been applied. I double-checked.

#### #7 - 13.01.2020 13:03 - Tobias Brunner

Strange error message/warning (G\_ADD\_PRIVATE is not deprecated). But apparently G\_TYPE\_INSTANCE\_GET\_PRIVATE is. I've updated the patch in the branch.

#### #8 - 19.01.2020 16:51 - Harald Dunkel

Using the new patch the applet build error is gone. No problems so far, so good work.

But I wonder what the patch to charon-nm is good for? The applet seems to work with Debian's strongswan 5.8.1. Do I have to ask Debian's strongswan maintainers to include the patch?

#### #9 - 20.01.2020 17:48 - Tobias Brunner

Using the new patch the applet build error is gone. No problems so far, so good work.

OK, great. Thanks for testing.

Do I have to ask Debian's strongswan maintainers to include the patch?

Won't they run into the same issue eventually? Or don't they build with -Werror? But if they don't complain, that's fine, I guess (it's only a compilation issue afterall).

Looking at that part of the patch again, it wasn't actually complete (same issue fixed with the update above). I've changed the patch in the branch again.

#### #10 - 05.02.2020 10:58 - Tobias Brunner

- Tracker changed from Issue to Bug

- Subject changed from applet build error on Debian sid to NM applet build error on Debian sid when building with -Werror due to deprecation warning

- Status changed from Feedback to Closed

- Assignee set to Tobias Brunner
- Target version set to 5.8.3
- Resolution set to Fixed

## Files

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build.sid.txt	106 KB	08.10.2019	Harald Dunkel
build-k.sid.txt	10.9 KB	08.10.2019	Harald Dunkel
glib-private.patch	2.7 KB	09.10.2019	Tobias Brunner