

LibreOffice

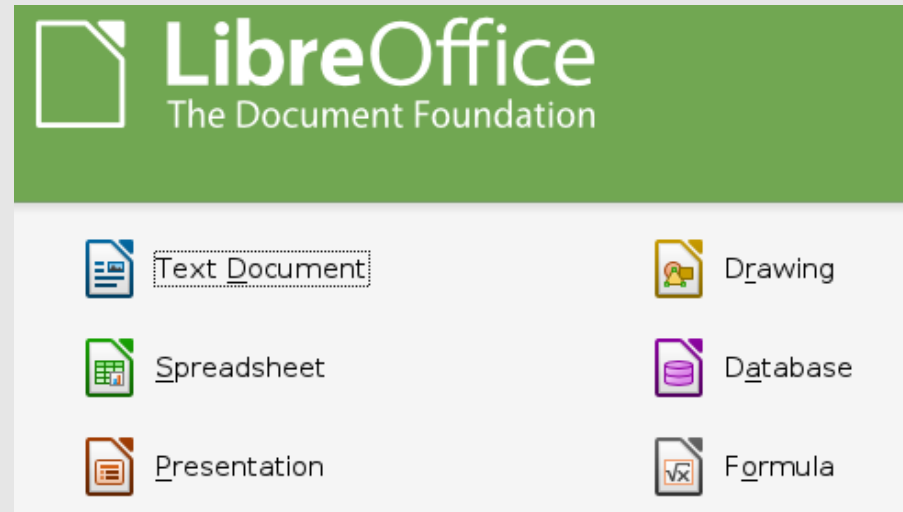
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Open-source programming course

Contribution to LibreOffice

LibreOffice – Introduction



- Bug 42781 - fix windows build warnings ...
 - fix **c++ warning** in **MSVC++**
 - also check **warning ignore list**
 - usually just suspicious code

What to fix

1) Make

- a) install **dependencies** and Cygwin
- b) **make** and wait ~10 hours
- c) it fails, try again 😊

2) Pick warnings (found only two fixable)

- unreachable code
- unreferenced variable
- decided to **clean** warning ignore list

3) Fix it!

- Unreachable code

```
#if OSL_DEBUG_LEVEL > 0
    case CELLSOURCE_DESTROYED:
-#endif
    SetError(errCellNoValue);
    fValue = 0.0;
    break;
+#endif
```

- Unreferenced variable
 - advised to make a **complete rewrite**

```
catch (const uno::Exception& e)
{
-#if OSL_DEBUG_LEVEL > 0
-    rtl::OStringBuffer aMsg("IndexEntrySupplierWrapper: Caught exception\n");
-    aMsg.append(rtl::OUStringToOString(e.Message, RTL_TEXTENCODING_UTF8));
-    OSL_FAIL( aMsg.getStr() );
-#endif
+    SAL_WARN( "sw.core", "IndexEntrySupplierWrapper: Caught exception: " << e.Message );
}
```

- Clean warning ignore list
 - build **without** ignore list
 - removed warnings with **no occurrences** from list

4) *Post fix*

- Changes eventually accepted. **Done!**
- Automated by gerrit
 - other developers comment your change
 - you can update your change
 - guaranteed you will be written as author
- Simple fixes gets noticed fast
 - commented or committed the same day

LibreOffice community

- Positive
 - active
 - responsive
 - open to newcomers
 - tools (gerrit, opengrok, tinderbox)
- Negative
 - inherited messy code
 - no developer documentation

FIN

No computers were harmed in
making of this presentation.