

LibreOffice

Semestral work
Jiří Blecha
CTU FEE
2012/2013

Assignment

- solve bug: 61516 - FEAT_FSYS_DOUBLESPEED removal

Michael Meeks 2013-02-26 15:44:12 UTC

It appears we define this macro in tools un-conditionally; we should remove it and the `#ifdef / #endif` lines that refer to it - now that would be a Feat :-) Thanks ! :-)

- remove macro FEAT_FSYS_DOUBLESPEED from all source files according with all associated `#ifdef / #endif`
- build source files, generate a patch and send it to the mailing list

Getting ready

- Linux – Ubuntu 12.10 (up-to-date, suitable for development)
- getting source files
 - *\$ git clone git://anongit.freedesktop.org/libreoffice/core #*
- getting needed packages for development
 - *sudo apt-get build-dep libreoffice*
- building source files (~5hours at Lenovo T400)
 - *./autogen.sh*
 - *make*
 - *make dev-install*

Solution

- searching source files
 - *git grep FEAT_FSYS_DOUBLESPEED*
- remove all occurrences in source files

```
The macro FEAT_FSYS_DOUBLESPEED has been removed and the related #if / #endif have been removed too.  
Bug: 61516  
Change-Id: Id347e87a8789ddb550dde7d7281d9c1cad0c199  
  
Diffstat (more/less context) (ignore whitespace changes)  
-rw-r--r-- tools/inc/tools/fsys.hxx      8  
-rw-r--r-- tools/source/fsys/dirent.cxx 26  
-rw-r--r-- tools/source/fsys/fstat.cxx   3  
-rw-r--r-- tools/source/fsys/wntmsc.cxx  4  
  
4 files changed, 12 insertions, 29 deletions
```

- building source files again
- generating PATCH using GIT
- sending PATCH to the mailing list

Results

- about ~20hours of work
- PATCH was committed to the master branch

```
author      Jiri Blecha <blechji4@fel.cvut.cz>          2013-03-02 16:25:06 (GMT)
committer   Michael Meeks <michael.meeks@suse.com>      2013-03-04 10:33:40 (GMT)
commit      66f426b8fa1ceff10ac26319796af73ab0ef198d (patch) (side-by-side diff)
tree        30019be2448fb5e19529e9f7282b27feefc57dfe
parent      8f113d08cebd7529e62f928fbf71f36df9ec748e (diff)
download    core-66f426b8fa1ceff10ac26319796af73ab0ef198d.zip
            core-66f426b8fa1ceff10ac26319796af73ab0ef198d.tar.gz
```

- very good communication with the developers (Michael Meeks)
- source code is huge, not an easy task to comprehend its structure
- a lot of dead code
- documentation???