

E1 Révision technique de code source

a.

Le dépôt gerrit sert aux développeurs de documenter, d'accéder, d'analyser, de commenter et de modifier le code source qui va contribuer à la conception d'un projet dans ce cas-ci wireshark. De plus, similairement à git un historique des contributions des développeurs est inventorié.

b.

Ces mots clés indiquent le différents status des branches du projet.

Open: Un travail incomplet ou ouvert à la contribution.

Merged: La branche a été ajoutée la branche principale.

Abandoned: Une contribution a été abandonné.

c.

Un "patch" est une modification qui a servi à résoudre un bog.

d.

e.

L'objectif du patch était de résoudre la fuite de mémoire dans le fichier lemon.c

Voici le commit message:

"lemon: add free() to avoid mem leak"

f.

Le patch a été accepté, le dernier message dans le répertoire indique : "Change has been succesfully cherry-picked".

g.

Alexis La Goutte

Michael Mann

Petri Dish Buildbot

Peter Wu

h.

Code-Review +2 Micheal Mann

+1 Alexis La Goutte

C'est l'opinion des différents développeurs par rapport à la validité du patch. C'est un vote indiquant leur accord.

i.

Dario Lombardo a téléversé une solution "patch set 1"

Michael Mann a effectué une révision, a approuvé la solution et a upvoté le premier code review.

Peter Wu a suggéré une nouvelle solution.

Peter et Dario on eu une échange par rapport au merge des solutions.

Alexis La Goutte a upvoté le code review set 1 ainsi que le Petri-Dish.

Petri Buld Bot a downvote la vérification du Patch Set 1

Micheal Mann a upvoté le patch set 1.

Those who don't remember history are doomed to repeat it.

j.

Michael Oed a suggéré un patch set 1.

Pascal Quantin a trouvé une erreur dans son patch et a downvote le patch set 1.

Michael Oed a écrasé le patch set 1 avec le patch set 2.

Pascal Quantin a trouvé une erreur dans son patch et a downvote le patch set 1.

Evan Huus a demandé à Micheal si il planifiat de résoudre le patch.

Michael a abandonné le patch.

E2 Le répertoire de gestion des versions

a) L'auteur contribue moins au développement du logiciel que le committer du commit, on peut le voir car lorsqu'on regarde l'histoire des contributions, le committer a plus de contributions que l'auteur.

b) Parent: a77d3db9 (PER: fix ASAN runtime error: left shift of negative value -1)

Author: Dario Lombardo <lomato@gmail.com>

AuthorDate: 2015-10-05 11:55:09 +0200

Commit: Michael Mann <mmann78@netscape.net>

CommitDate: 2015-10-24 16:48:09 +0000

lemon: add free() to avoid mem leak (CID 1309088)

Change-Id: Id32864d324f72ffee9c1033f0f36a79eb2651334

Reviewed-on: <https://code.wireshark.org/review/10797>

Reviewed-by: Alexis La Goutte <alexis.lagoutte@gmail.com>

Petri-Dish: Alexis La Goutte <alexis.lagoutte@gmail.com>

Reviewed-by: Michael Mann <mmann78@netscape.net>

c) Le but de la section diff est de montrer les différences entre les plusieurs commits fait à un projet.

d)

a) Ce commit résout un bogue, on peut le déterminer car dans la description du commit c'est écrit que c'est un patch

E3 Gestion des bogues

a) Le nom de la personne qui a trouvé le bogue est Buildbot Builder. Le rapporteur n'est pas humain.

b) Le niveau d'importance de ce bogue est "High Major". Le niveau d'importance est choisi par la communauté, en effet, il est possible de voter afin de choisir le niveau d'importance. Le bogue compromet le fonctionnement du logiciel car il fait crasher certains aspects de celui-ci.

c) 6 personnes ont commenté ce problème.

d) La communauté n'a pas confirmé le bogue. Les usagers n'étaient pas capables de voir le bogue

e) Oui, le bogue a été résolu, on peut le voir car le statut du bogue sur le site est "RESOLVED WORKSFORME" ce qui laisse entendre la résolution du problème.

E4 Intégration Continue

a) L'utilité d'un Buildbot dans un contexte de projet Open Source est de vérifier le code transmis par la communauté

b) Les builders disponibles sont les suivants:

Clang Code Analysis

OSX 10.6 x64

Ubuntu 16.04 x64

Visual Studio Code Analysis

Windows 8.1 x86

Windows Server 2012 R2 x64

WATERFALL

a) Les trois couleurs sur la page sont les suivantes: rouge, orange et verte

La couleur orange indique que le build du projet a été fait mais il y a eu des warnings la couleur verte indique que le projet a été construit de façon idéale. Finalement, la couleur rouge indique que le build du projet a échoué.

b) Les différentes colonnes indiquent les différents builders disponibles.

c)

```
ascend_scanner.c:1841: warning: implicit conversion shortens 64-bit value into a 32-bit value
ascend_scanner.c:2409: warning: implicit conversion shortens 64-bit value into a 32-bit value
ascend_scanner.c:2422: warning: implicit conversion shortens 64-bit value into a 32-bit value
ascend_scanner.c:2444: warning: implicit conversion shortens 64-bit value into a 32-bit value
ascend_scanner.c:2578: warning: implicit conversion shortens 64-bit value into a 32-bit value
ascend_scanner.c:2616: warning: implicit conversion shortens 64-bit value into a 32-bit value
ascend_scanner.c:2924: warning: implicit conversion shortens 64-bit value into a 32-bit value
ascend_scanner.c:2962: warning: implicit conversion shortens 64-bit value into a 32-bit value
ascend_scanner.c:2984: warning: implicit conversion shortens 64-bit value into a 32-bit value
k12text.c:1290: warning: implicit conversion shortens 64-bit value into a 32-bit value
k12text.c:1618: warning: implicit conversion shortens 64-bit value into a 32-bit value
k12text.c:1631: warning: implicit conversion shortens 64-bit value into a 32-bit value
k12text.c:1653: warning: implicit conversion shortens 64-bit value into a 32-bit value
k12text.c:2095: warning: implicit conversion shortens 64-bit value into a 32-bit value
k12text.c:2133: warning: implicit conversion shortens 64-bit value into a 32-bit value
k12text.c:2155: warning: implicit conversion shortens 64-bit value into a 32-bit value
scanner.c:963: warning: implicit conversion shortens 64-bit value into a 32-bit value
scanner.c:1610: warning: implicit conversion shortens 64-bit value into a 32-bit value
scanner.c:1623: warning: implicit conversion shortens 64-bit value into a 32-bit value
scanner.c:1645: warning: implicit conversion shortens 64-bit value into a 32-bit value
scanner.c:1653: warning: implicit conversion shortens 64-bit value into a 32-bit value
scanner.c:1653: warning: implicit conversion shortens 64-bit value into a 32-bit value
scanner.c:2087: warning: implicit conversion shortens 64-bit value into a 32-bit value
scanner.c:2125: warning: implicit conversion shortens 64-bit value into a 32-bit value
scanner.c:2147: warning: implicit conversion shortens 64-bit value into a 32-bit value
packet-cosnaming.c:89: warning: 'hf_CosNaming_NamingContext_CannotProceed_cxt' defined but not used
packet-gias.c:5061: warning: 'decode_UCO_Ratio_st' defined but not used
packet-gias.c:5089: warning: 'decode_UCO_DirectAccessLocation_st' defined but not used
packet-gias.c:5348: warning: 'decode_UCO_Coordinate3d_st' defined but not used
packet-gias.c:5372: warning: 'decode_UCO_Circle_st' defined but not used
packet-gias.c:5385: warning: 'decode_UCO_Ellipse_st' defined but not used
packet-gias.c:5416: warning: 'decode_UCO_SimpleGSImage_st' defined but not used
packet-gias.c:5431: warning: 'decode_UCO_SimpleCImage_st' defined but not used
packet-gias.c:5454: warning: 'decode_UCO_CompressedImage_st' defined but not used
packet-gias.c:5582: warning: 'decode_GIAS_ImageSpec_st' defined but not used
packet-tango.c:1637: warning: 'decode_Tango_DevVarLongStringArray_st' defined but not used
packet-tango.c:1669: warning: 'decode_Tango_DevVarDoubleStringArray_st' defined but not used
packet-parlay.c:46471: warning: 'decode_org_csapi_fw_TpLoadPolicy_st' defined but not used
packet-parlay.c:46505: warning: 'decode_org_csapi_fw_TpLoadInitVal_st' defined but not used
packet-parlay.c:47025: warning: 'decode_org_csapi_ui_TpUIEventInfo_st' defined but not used
dtd_parse.c:1043: warning: implicit conversion shortens 64-bit value into a 32-bit value
dtd_parse.c:1588: warning: implicit conversion shortens 64-bit value into a 32-bit value
dtd_parse.c:1601: warning: implicit conversion shortens 64-bit value into a 32-bit value
dtd_parse.c:1623: warning: implicit conversion shortens 64-bit value into a 32-bit value
dtd_parse.c:1631: warning: implicit conversion shortens 64-bit value into a 32-bit value
```

Les principaux problèmes dans ce code sont les conversions implicites entre les différents types de variables.

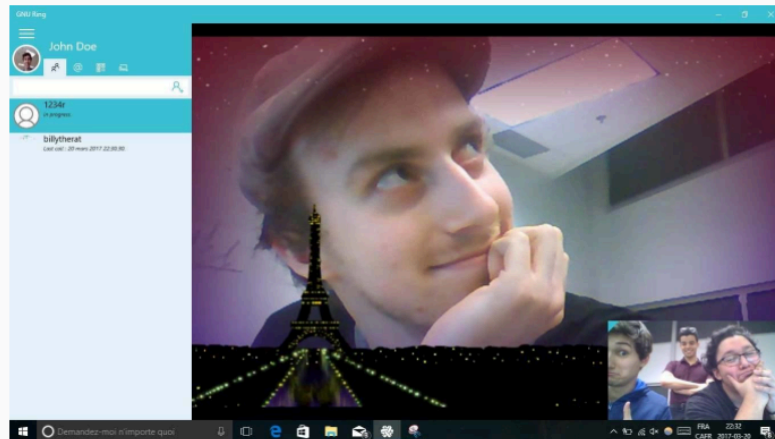
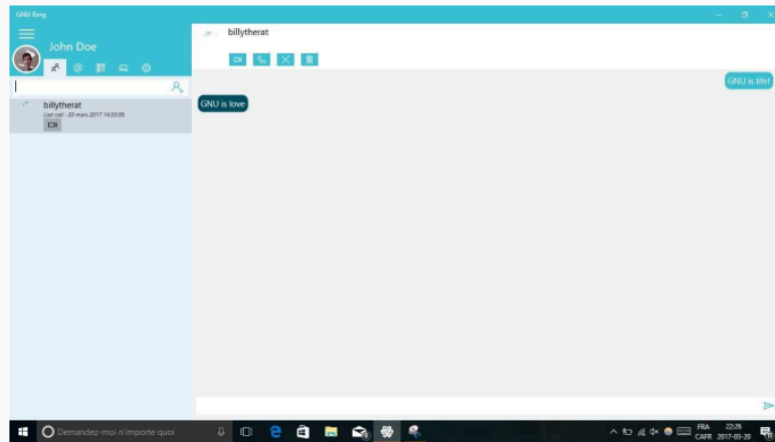
d) Anders Broman

E5

Make a video call on UWP (Universal Windows Platform)

Make a video call

- From the app, hover over the name of a contact, a camera icon will appear. Click on this logo and the video call will start with the desired contact. You can also start a video call from an existing conversation by clicking on the camera icon at the top of the screen.

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HELLOWORLD

Documentation des étudiants "1845922"
et "1848014"

Documentation des étudiants "1845922" et "1848014"

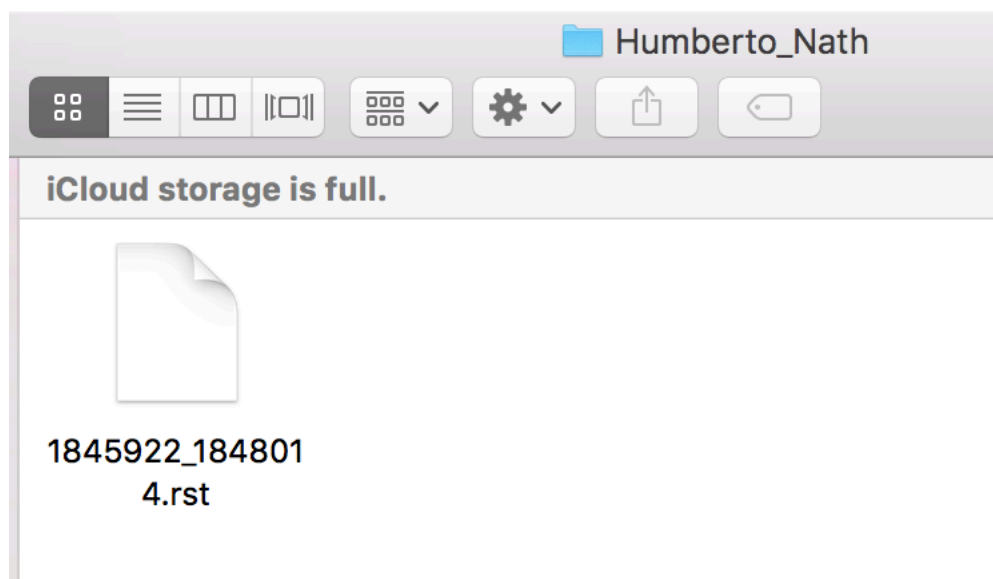
Ceci est un "hello word" de notre documentation.

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HelloWorld

- Documentation des étudiants "1845922" et "1848014"



```
Sansfil-Eduroam-Poly-226-21:ring-project Humberto$ make -f Makefile.packaging docs
sed: illegal option -- s
usage: sed script [-Ealn] [-i extension] [file ...]
       sed [-Ealn] [-i extension] [-e script] ... [-f script_file] ... [file ...]
env: python3: No such file or directory
env/bin/sphinx-build -b html docs/source docs/build/html
Running Sphinx v1.4.1
loading pickled environment... done
building [mo]: targets for 0 po files that are out of date
building [html]: targets for 1 source files that are out of date
updating environment: 0 added, 1 changed, 0 removed
reading sources... [100%] dev/log1000Doc/Humberto_Nathaniel
looking for now-outdated files... none found
pickling environment... done
checking consistency... /Users/Humberto/Desktop/ring-project/docs/source/dev/log1000Doc/Humberto_Nathaniel.rst:: WARNING: document isn't included in any toctree
done
preparing documents... done
writing output... [100%] index
generating indices... genindex
writing additional pages... search
copying static files... WARNING: html_static_path entry u'/Users/Humberto/Desktop/ring-project/docs/source/_static' does not exist
done
copying extra files... done
dumping search index in English (code: en) ... done
dumping object inventory... done
build succeeded, 2 warnings.
env/bin/sphinx-build -b texinfo docs/source docs/build/texinfo
Running Sphinx v1.4.1
loading pickled environment... done
building [mo]: targets for 0 po files that are out of date
building [texinfo]: all documents
updating environment: 0 added, 1 changed, 0 removed
reading sources... [100%] dev/log1000Doc/Humberto_Nathaniel
looking for now-outdated files... none found
pickling environment... done
checking consistency... /Users/Humberto/Desktop/ring-project/docs/source/dev/log1000Doc/Humberto_Nathaniel.rst:: WARNING: document isn't included in any toctree
done
processing Ring.texi... index intro/getting_started users/downloading_and_installing users/connecting_to_ldap users/setting_up_turn_stun dev/contributing dev/compiling_and_installing/index dev/compiling_and_installing/ring-project dev/compiling_and_installing/daemon dev/compiling_and_installing/lrc dev/compiling_and_installing/gnome_client dev/releasing
resolving references...
writing... done
copying Texinfo support files... /Users/Humberto/Desktop/ring-project/docs/build/texinfo/Makefile done
build succeeded, 1 warning.
```

```
Sansfil-Eduroam-Poly-226-21:ring-project Humberto$ make -f Makefile.packaging docs
sed: illegal option -- s
usage: sed script [-Ealn] [-i extension] [file ...]
       sed [-Ealn] [-i extension] [-e script] ... [-f script_file] ... [file ...]
env: python3: No such file or directory
virtualenv env
New python executable in /Users/Humberto/Desktop/ring-project/env/bin/python2.7
Also creating executable in /Users/Humberto/Desktop/ring-project/env/bin/python
Installing setuptools, pip, wheel...done.
env/bin/pip install Sphinx==1.4.1 sphinx-rtd-theme==0.1.9
Collecting Sphinx==1.4.1
  Downloading Sphinx-1.4.1-py2.py3-none-any.whl (1.6MB)
    100% |#####| 1.6MB 587kB/s
Collecting sphinx-rtd-theme==0.1.9
  Downloading sphinx_rtd_theme-0.1.9-py2-none-any.whl (693kB)
    100% |#####| 696kB 1.2MB/s
Collecting imagesize (from Sphinx==1.4.1)
  Downloading imagesize-0.7.1-py2.py3-none-any.whl
Collecting Pygments>=2.0 (from Sphinx==1.4.1)
  Downloading Pygments-2.2.0-py2.py3-none-any.whl (841kB)
    100% |#####| 849kB 960kB/s
Collecting alabaster<0.8,>=0.7 (from Sphinx==1.4.1)
  Downloading alabaster-0.7.10-py2.py3-none-any.whl
Collecting snowballstemmer>=1.1 (from Sphinx==1.4.1)
  Downloading snowballstemmer-1.2.1-py2.py3-none-any.whl (64kB)
    100% |#####| 71kB 6.3MB/s
Collecting docutils>=0.11 (from Sphinx==1.4.1)
  Downloading docutils-0.13.1-py2-none-any.whl (537kB)
    100% |#####| 542kB 1.2MB/s
Requirement already satisfied: six>=1.4 in ./env/lib/python2.7/site-packages (from Sphinx==1.4.1)
Collecting babel!=2.0,>=1.3 (from Sphinx==1.4.1)
  Downloading Babel-2.3.4-py2.py3-none-any.whl (7.1MB)
    100% |#####| 7.1MB 79kB/s
Collecting Jinja2>=2.3 (from Sphinx==1.4.1)
  Downloading Jinja2-2.9.5-py2.py3-none-any.whl (340kB)
    100% |#####| 348kB 3.0MB/s
Collecting pytz>=0a (from babel!=2.0,>=1.3->Sphinx==1.4.1)
  Downloading pytz-2016.10-py2.py3-none-any.whl (483kB)
    100% |#####| 491kB 2.1MB/s
Collecting MarkupSafe>=0.23 (from Jinja2>=2.3->Sphinx==1.4.1)
  Downloading MarkupSafe-1.0.tar.gz
Building wheels for collected packages: MarkupSafe
Running setup.py bdist_wheel for MarkupSafe ... done
Stored in directory: /Users/Humberto/Library/Caches/pip/wheels/88/a7/30/e39a54a87bcb25308fa3ca64e8ddc75d9b3e5afa21ee32d57
```