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Raw Blame History



261 lines (239 sloc) 10.8 KB

```
1 1. git clone https://git.savannah.gnu.org/git/diffutils.git
2     Fetches a copy of the diffutils repo from the main Savannah repository
3     cd diffutils
4     Navigates to new repo
5
6 2. man git
7     Read how to get a log of changes
8     git log > git-log.txt
9     Used log command and piped to file
10
11 3. man git
12     Read how to get a list of tags
13     git tag > git-tags.txt
14     Used tag command and piped to file
15
16 4. git log --grep='maint: quote'
17     Ran grep on the output of git log to look for the commit titled "maint:
18     quote 'like this' or "like this", not `like this'". Since linux was
19     confused with all of the quotes, I shortened the query to "maint:
20     quote", which gave me the commit I was looking for.
21
22     commit 62ca21c8c1a5aa3488589dcb191a4ef04ae9ed4f
23     Author: Paul Eggert <eggert@cs.ucla.edu>
24     Date:   Wed Jan 25 23:46:16 2012 -0800
25
26     maint: quote 'like this' or "like this", not `like this'
27
28     git format-patch -1 62ca21c8c1a5aa3488589dcb191a4ef04ae9ed4f
29     Grabs the commit id above and stores in patch file named
30     0001-maint-quote-like-this-or-like-this-not-like-this.patch
31     cp 0001-maint-quote-like-this-or-like-this-not-like-this.patch quote-patch.txt
32     Copies the patch file into a new file called quote-patch.txt
33
34 5. emacs git-tags.txt
35     Inspect the tags file to find out the exact name for version 3.0 of the
36     diffutils repo
37     git checkout v3.0
38     Check out version 3.0
39
40 6. man patch
41     Read documentation of patch since I had forgotten syntax
42     patch -p1 < quote-patch.txt
43     Attempted to apply the quote-patch to the version 3.0 I had checked out.
44     I got errors such as the following due to not being able to find the
45     file to patch:
46
47     can't find file to patch at input line 62
48     Perhaps you used the wrong -p or --strip option?
49     The text leading up to this was:
50     -----
51     |From 62ca21c8c1a5aa3488589dcb191a4ef04ae9ed4f Mon Sep 17 00:00:00 2001
52     |From: Paul Eggert <eggert@cs.ucla.edu>
```

```
52 |Date: Wed, 25 Jan 2012 23:46:16 -0800
53 |Subject: [PATCH] maint: quote 'like this' or "like this", not `like this'
54 |
55 |This is in response to a recent change in the GNU coding standards,
56 |which now suggest quoting 'like this' or "like this", instead of
57 |`like this' or ``like this'`.
58 |Then I got the following error messages:
59 |Hunk #10 FAILED at 876.
60 |Hunk #11 FAILED at 906.
61 |Hunk #12 FAILED at 942.
62 |3 out of 14 hunks FAILED -- saving rejects to file src/diff.c.rej
63 |Hunk #6 FAILED at 433.
64 |1 out of 9 hunks FAILED -- saving rejects to file src/diff3.c.rej
65 |
```

7. git status

```
67 |Using git status, I saw that in my detached head state, I had modified
68 |the following files:
69 |modified: NEWS
70 |modified: README
71 |modified: TODO
72 |modified: doc/diagmeet.note
73 |modified: ms/config.bat
74 |modified: ms/config.site
75 |modified: po/en.po
76 |modified: src/analyze.c
77 |modified: src/cmp.c
78 |modified: src/context.c
79 |modified: src/diff.c
80 |modified: src/diff.h
81 |modified: src/diff3.c
82 |modified: src/dir.c
83 |modified: src/ifdef.c
84 |modified: src/io.c
85 |modified: src/sdiff.c
86 |modified: src/side.c
87 |modified: src/system.h
88 |modified: src/util.c
89 |modified: tests/help-version
90 |and created the following files:
91 |0001-maint-quote-like-this-or-like-this-not-like-this.patch
92 |NEWS.orig
93 |README-hacking.orig
94 |README-hacking.rej
95 |README.orig
96 |README.rej
97 |cfg.mk.orig
98 |cfg.mk.rej
99 |git-log.txt
100 |git-tags.txt
101 |ms/config.site.orig
102 |quote-patch.txt
103 |src/cmp.c.orig
104 |src/context.c.orig
105 |src/diff.c.orig
106 |src/diff.c.rej
107 |src/diff.h.orig
108 |src/diff3.c.orig
109 |src/diff3.c.rej
110 |src/dir.c.orig
111 |src/sdiff.c.orig
112 |src/system.h.orig
113 |src/util.c.orig
114 |tests/help-version.orig
115 |
```

8. vc-diff: Compare the work files in the current VC files with the starting versions

```
118
119   vc-revert: Revert the work file(s) in the current VC files to the
120   most recent revision
121
122   diff-apply-hunk: Apply this hunk to its target
123
124   diff-goto-source: Go to the corresponding line of the source file of this
125   hunk
126
127 9. emacs <file>
128   C-x v u (then yes)
129       I ran the following command on these files: NEWS, README, TODO,
130       doc/diagmeet.note, ms/config.bat, ms/config.site, po/en.po, src/diff.h,
131       src/system.h, tests/help-version
132   git status
133       Verified that the only modified files were the .c files.
134   emacs <file>
135   C-x v =
136   C-u C-c C-a
137       I ran the vc-diff command and diff-apply-hunk commands on the .c files,
138       src/analyze.c, src/cmp.c, src/context.c, src/diff.c, src/diff3.c,
139       src/dir.c, src/ifdef.c, src/io.c, src/sdiff.c, src/side.c, src/util.c
140
141 10. find src/*.rej
142       Command files any file in src that ends in .rej
143       src/diff3.c.rej
144       src/diff.c.rej
145   emacs diff3.c.rej
146       I noticed that the change was about the grave accent mark
147       - N_(" -i      append `w' and `q' commands to ed scripts"),
148       + N_(" -i      append 'w' and 'q' commands to ed scripts"),
149   emacs diff3.c
150   C-s q' command to ed scripts
151       I opened the diff3.c file and searched for the section where I was
152       supposed to change the accents. I applied these changes manually
153   emacs diff.c.rej
154       I noticed the changes here were also about the grave accent mark
155   eamcs diff.c
156   C-s to paginate it
157   C-s ifdef NAME
158   C-s GTYPE is LTYPE
159   C-s FILE1 FILE2
160   C-s -, read standard input
161       I opened the diff.c file and manually applied the quote mark changes by
162       searching for keywords near the changed line.
163
164 11. git status
165       I notice that I have a lot of untracked files, including git-log,
166       git-tags, and quote-patch
167   cp git-log.txt ..
168   cp git-tags.txt ..
169   cp quote-patch.txt ..
170       Copied the files I created to my assignment7 folder, but outside of the
171       git tracked repo
172   man git
173       Looked at documentation to learn about how to remove files
174   git clean -f
175       Remove all untracked files
176
177 12. git status
178       Verify there are no more untracked files and there are 6 modified files:
179       modified:   src/cmp.c
180       modified:   src/diff.c
181       modified:   src/diff3.c
182       modified:   src/dir.c
183       modified:   src/sdiff.c
```

```
184         modified:  src/util.c
185 git diff > ../quote-3.0-patch.txt
186 Pipe the output of diff to a file.
187 git diff > quote-3.0-patch.txt
188
189 13. emacs README-hacking
190     Opened instructions.
191     ldd --version
192         ldd (GNU libc) 2.12, so I don't need the extra patch.
193     ./bootstrap
194     ./configure
195     make
196     make check
197         Ran these commands to build the modified diffutils. I'm on server03 so
198         I didn't need to add the extra patch. The commands worked without
199         errors.
200
201     GOT THIS ERROR MESSAGE
202     Making check in lib
203     make[1]: Entering directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/lib'
204     GEN      configmake.h
205     make check-recursive
206     make[2]: Entering directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/lib'
207     make[3]: Entering directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/lib'
208     GEN      configmake.h
209     make[3]: Leaving directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/lib'
210     make[2]: Leaving directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/lib'
211     make[1]: Leaving directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/lib'
212     Making check in src
213     make[1]: Entering directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/src'
214     make check-am
215     make[2]: Entering directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/src'
216     make[2]: Nothing to be done for 'check-am'.
217     make[2]: Leaving directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/src'
218     make[1]: Leaving directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/src'
219     Making check in tests
220     make[1]: Entering directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/tests'
221     make check-TESTS
222     make[2]: Entering directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/tests'
223     make[3]: Entering directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/tests'
224     /bin/sh: /bin/sh: cannot execute binary file
225     Makefile:1309: recipe for target 'basic.log' failed
226     make[3]: *** [basic.log] Error 126
227     make[3]: Leaving directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/tests'
228     Makefile:1288: recipe for target 'check-TESTS' failed
229     make[2]: *** [check-TESTS] Error 2
230     make[2]: Leaving directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/tests'
231     Makefile:1403: recipe for target 'check-am' failed
232     make[1]: *** [check-am] Error 2
233     make[1]: Leaving directory '/w/home.23/ee/ugrad/prithvik/Documents/cs351/assign7/diffutils/tests'
234     Makefile:1017: recipe for target 'check-recursive' failed
235     make: *** [check-recursive] Error 1
236
237     diff . -
238         Outputs diff: cannot compare '-' to a directory
239     diff --help
240         This outputs a large help file explaining the commands of diff, but all
241         of the quotes in the text are the correct style such as the example below
242         FILES are 'FILE1 FILE2' or 'DIR1 DIR2' or 'DIR FILE...' or 'FILE... DIR'.
243
244 14. cd ..
245     mkdir diffutils-3.0-patch
246     cp -r diffutils/src/*.c ./diffutils-3.0-patch
247         Put source code of modified version in diffutils-3.0-patch
248     git clone https://git.savannah.gnu.org/git/diffutils.git diffutils-original
249     cd diffutils-original
```

```
250 git checkout v3.0
251 cd ..
252     Put unmodified version of diffutils in diffutils-original
253 mkdir diffutils-3.0
254 cp -r diffutils-original/src/*.c ./diffutils-3.0
255     Put source code of unmodified version in diffutils-3.0
256 diffutils/src/diff -pru diffutils-3.0 diffutils-3.0-patch > quote-3.0-test.txt
257     Ran implementation of diff
258
259 15. diffutils/src/diff -u quote-3.0-test.txt quote-3.0-patch.txt
260     The files are mostly the same, with the exception of the quote mark
261     changes as expected.
```