C++ (Cpp) utimensat Examples







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Programming Language: C++ (Cpp)

Method/Function: utimensat

Examples at hotexamples.com: 30



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EXAMPLE #1



(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x2930e

Show file

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File: compress.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2Fbeastix%

Project: beastix/bsdtools (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2







```
C++ (Cpp) utimensat Examples - HotExamples
setfile(const char *name, struct stat *fs)
                fs->st mode &= S ISUID|S ISGID|S IRWXU|S IRWXG|S IRWXO;
                if (utimensat(AT_FDCWD, name, tspec, 0))
                                   cwarn("utimensat: %s", name);
                      * Changing the ownership probably won't succeed, unless we're root
                      * or POSIX CHOWN RESTRICTED is not set. Set uid/gid before setting
                      * the mode; current BSD behavior is to remove all setuid bits on
                      * chown. If chown fails, lose setuid/setgid bits.
                 if (chown(name, fs->st_uid, fs->st_gid)) {
                                                     cwarn("chown: %s", name);
                                     fs->st mode &= ~(S ISUIDLS ISGID):
                                                                                                                                                                                                                                                                                                        Margar Parit Parit Market Mark
                                                                                                                                                                                                                                                                                                            WITHOUT REGARD TO POLITICS, RELIGION, OR ABILITY TO PAY.
```

```
af4ee&d_id=Tf0//<mark>//sol.mp_ckd=25m63823/10/4651/49/2766_666pap_100666_86tb-26</mark>001664671-4114ttps/6643/2F%2Fwww.directrelief.org%2Femergency%2Fukra
if (chflags(name, fs->st_flags) && errno != EOPNOTSUPP)
387
```

388

static void

/*

*/

{

360

361 362

363

364

365 366 367

368

369 370

371 372

373

374

375

376

377

378

379

380

cwarn("chflags: %s", name);

if (errno != EPERM)

static struct timespec tspec[2];

tspec[0] = fs->st_atim;

tspec[1] = fs->st_mtim;





(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0xfbbff

Show file

File: cmds-receive.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2FKurc

Project: KuronekoDungeon/android_external_btrfsprogs (https://cpp.hotexamples.com/site/redirect?url







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```
X
```

```
965
     static int process_utimes(const char *path, struct timespec *at,
966
                    struct timespec *mt, struct timespec *ct,
967
                    void *user)
     {
968
969
         int ret = 0;
          struct btrfs_receive *r = user;
970
971
          char full path[PATH MAX];
972
         struct timespec tv[2];
973
         ret = path_cat_out(full_path, r->full_subvol_path, path);
974
975
         if (ret < 0) {
976
              error("utimes: path invalid: %s", path);
977
              goto out;
978
          }
979
         if (g_verbose >= 2)
980
981
              fprintf(stderr, "utimes %s\n", path);
982
         tv[0] = *at;
983
         tv[1] = *mt;
984
          ret = utimensat(AT_FDCWD, full_path, tv, AT_SYMLINK_NOFOLLOW);
985
          if (ret < 0) {
                                                                          Margar Direct Relief
```



ebfd9c1af4ee&d_1d=110//93&d.mp_odd=233/65223/1d/mio/124/256&fix6#2169/mbbd=8dd=28701F6&4f71=4114ltp=3/6343/2F%2Fwww.directrelief.org%2Femergency%2Fukra

```
992
993 out:
994 return ret;
995 }
```





(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x154d@

Show file

File: serv.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2Fjonasj76%2Ff

Project: jonasj76/finit (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2Fj







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```
int serv_touch(char *arg)
178
179
      {
180
          char corr[40];
181
         if (!arg || !arg[0])
182
              return serv_list(NULL);
183
184
         if (!strstr(arg, ".conf")) {
185
              snprintf(corr, sizeof(corr), "%s.conf", arg);
186
187
              arg = corr;
          }
188
189
190
          pushd(FINIT_RCSD);
191
         if (!fexist(arg)) {
              popd();
192
              if (!strstr(arg, "finit.conf"))
193
                  errx(1, "Service %s is not enabled", arg);
194
              arg = FINIT_CONF;
195
196
197
          /* libite:touch() follows symlinks */
198
          if (utimensat(AT FDCWD, arg. NULL, AT SYMLINK NOFOLLOW))
```





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(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x8f82k

Show file

File: sys_stat.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2F007gzs%2

Project: 007gzs/android-platform-ndk (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fg







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```
(\mathbf{X})
```

```
122
      void sys_stat_check_functions()
123
      {
          (void)chmod((const char *)1234, (mode_t)0);
124
          (void)fchmod(0, (mode t)0);
125
      #if HAVE XXXAT
126
127
          (void)fchmodat(0, (const char *)1234, (mode t)0, 0);
128
      #endif
129
          (void)fstat(0, (struct stat *)1234);
      #if HAVE XXXAT
130
          (void)fstatat(0, (const char *)1234, (struct stat *)1234, 0);
131
132
      #endif
133
          (void)futimens(0, (const struct timespec *)1234);
          (void)lstat((const char *)1234, (struct stat *)1234);
134
          (void)mkdir((const char *)1234, (mode t)0);
135
      #if HAVE XXXAT
136
137
          (void)mkdirat(0, (const char *)1234, (mode_t)0);
      #endif
138
139
          (void)mkfifo((const char *)1234, (mode t)0);
          (void)mkfifoat(0, (const char *)1234, (mode t)0);
140
          (void)mknod((const char *)1234, (mode_t)0, (dev_t)0);
141
          (void)mknodat(0, (const char *)1234, (mode_t)0, (dev_t)0);
142
          (void)stat((const_char *)1734. (struct_stat_*)1734);
```









(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0xbc329

Show file

File: common.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2FKnightKu%2

Project: KnightKu/fileutils (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com/







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```
(\mathbf{X})
      void DCOPY_copy_timestamps(
299
300
           bayer_flist flist,
          uint64_t idx,
301
           const char* dest path)
302
303
      {
          /* get atime seconds and nsecs */
304
                                = bayer flist file get atime(flist, idx);
          uint64 t atime
305
306
          uint64_t atime_nsec = bayer_flist_file_get_atime_nsec(flist, idx);
307
          /* get mtime seconds and nsecs */
308
309
                                = bayer flist file get mtime(flist, idx);
          uint64 t mtime
          uint64_t mtime_nsec = bayer_flist_file_get_mtime_nsec(flist, idx);
310
311
           /* fill in time structures */
312
           struct timespec times[2];
313
          times[0].tv_sec = (time_t) atime;
314
          times[0].tv_nsec = (long)
315
                                         atime nsec:
316
          times[1].tv sec = (time t) mtime;
          times[1].tv_nsec = (long)
                                         mtime_nsec;
317
318
           /* set times with nanosecond precision using utimensat,
319
           * assume path is relative to current working directory.
                                                                                                                                     (\mathbf{X})
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                       gounp<u>roduk-asin6sazs/loniosizkvznogokoniplomadalaribb-</u>zaxul-6684r71-4nkhps/6<del>607.</del>2F%2Fwww.directrelief.org%2Femergency%2Fukra
                          dest_path, errno, strerror(errno)
326
                         );
327
           }
328
329
      #if 0
330
           /* TODO: see stat-time.h and get_stat_atime/mtime/ctime to read sub-second times,
331
            * and use utimensat to set sub-second times */
```

```
332
          /* as last step, change timestamps */
333
          if(! S ISLNK(statbuf->st mode)) {
334
              struct utimbuf times;
335
              times.actime = statbuf->st_atime;
336
              times.modtime = statbuf->st mtime;
337
              if(utime(dest_path, &times) != 0) {
                  BAYER_LOG(BAYER_LOG_ERR, "Failed to change timestamps on %s utime() errno=%d %s",
338
                            dest_path, errno, strerror(errno)
339
                           );
340
341
          }
342
          else {
343
344
              struct timeval tv[2];
345
              tv[0].tv_sec = statbuf->st_atime;
346
              tv[0].tv_usec = 0;
347
              tv[1].tv sec = statbuf->st mtime;
348
              tv[1].tv_usec = 0;
              if(lutimes(dest_path, tv) != 0) {
349
350
                  BAYER_LOG(BAYER_LOG_ERR, "Failed to change timestamps on %s utime() errno=%d %s",
351
                            dest_path, errno, strerror(errno)
352
                           );
```







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41/4/ttps//6243/-2F%.2Fwww.directrelief.org%.2Femergency%.2Fukra



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(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0xd80a3

Show file

File: update-done.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2FAlexE

Project: AlexBaranosky/systemd (https://cpp.hotexamples.com/site/redirect?url-https%3A%2F%2Fgithub.







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0/9/aoingzodd-255663213/ddrios7x4/25666643t0MAbbola_Bibb-2taXdl-684Gr7L-41Mbps/6649/2F%2Fwww.directrelief.org%2Femergency%2Fukra

```
static int apply_timestamp(const char *path, struct timespec *ts) {
30
             struct timespec twice[2] = {
31
32
                     *ts,
33
                     *ts
             };
34
             struct stat st:
35
36
37
             assert(path);
38
             assert(ts);
39
             if (stat(path, &st) >= 0) {
                     /* Is the timestamp file already newer than the OS? If
41
42
                      * so, there's nothing to do. We ignore the nanosecond
                      * component of the timestamp, since some file systems
43
                      * do not support any better accuracy than 1s and we
44
                      * have no way to identify the accuracy
45
                      * available. Most notably ext4 on small disks (where
46
47
                      * 128 byte inodes are used) does not support better
                      * accuracy than 1s. */
                     if (st.st_mtim.tv_sec > ts->tv_sec)
49
50
                             return 0;
```





```
57
                  return log_error_errno(errno, "Failed to update timestamp on %s: %m", p
58
59
             }
60
        } else if (errno == ENOENT) {
61
62
             _cleanup_close_ int fd = -1;
```

 (\mathbf{X})

```
63
                     int r;
64
                     /* The timestamp file doesn't exist yet? Then let's create it. */
65
                     r = mac_selinux_create_file_prepare(path, S_IFREG);
67
                     if (r < 0)
                             return log_error_errno(r, "Failed to set SELinux context for %s: %m", p
70
                     fd = open(path, O_CREAT|O_EXCL|O_WRONLY|O_TRUNC|O_CLOEXEC|O_NOCTTY|O_NOFOLLOW,
71
72
                     mac_selinux_create_file_clear();
73
                     if (fd < 0) {
74
75
                             if (errno == EROFS)
76
                                      return log_debug("Can't create timestamp file %s, file system i
77
                             return log_error_errno(errno, "Failed to create timestamp file %s: %m",
78
                     }
79
80
                     (void) loop_write(fd, MESSAGE, strlen(MESSAGE), false);
81
                     if (futimens(fd, twice) < 0)</pre>
                             return log_error_errno(errno, "Failed to update timestamp on %s: %m", p
```



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https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html

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(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0xd5067

Show file

File: utils.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2Fyaccz%2Futi

Project: yaccz/util-linux (https://cpp.hotexamples.com/site/redirect?url-https%3A%2F%2Fgithub.com%2







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```
/*
157
158
       * Check if @path is on read-only filesystem independently on file permissions.
       */
159
      int mnt is readonly(const char *path)
160
      {
161
          if (access(path, W_OK) == 0)
162
              return 0;
163
164
          if (errno == EROFS)
165
              return 1;
          if (errno != EACCES)
166
167
              return 0;
168
169
      #ifdef HAVE_FUTIMENS
170
          /*
           * access(2) returns EACCES on read-only FS:
171
172
           * - for set-uid application if one component of the path is not
173
                accessible for the current rUID. (Note that euidaccess(2) does not
174
                check for EROFS at all).
175
176
           * - for read-write filesystem with read-only VFS node (aka -o remount, ro, bind)
177
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```

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```
if (utimensat(AT_FDCWD, path, times, 0) == -1)
return errno == EROFS;

#endif
#endif
```

190 | return 0;









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ebfd9c1af4ee&d_1d=110///3&01.mp_odu-233/63223/10HiDs/154/25p&_666/491/700001-8iUb-240701-66Afr7L=4114llps//6343/2F%2Fwww.directrelief.org%2Femergency%2Fukra

(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0xe9cec

(X)

Show file

(https://cpp.hotexamples.com/site/redirect)







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ebfd9c1af4ee&d_id=T10//930uiq20dd-250063259/ddriD5/154/2566difdfdp0//ddddagBibb2taVdH66ALf7L-4NtHp5/6669-2F%2Fwww.directrelief.org%2Femergency%2Fukra

```
(\mathbf{X})
```

```
void
114
115
      psync_utimes(const char *fn, const struct pfl_timespec *pts, int flags)
116
117
      #ifdef HAVE_FUTIMENS
          struct timespec ts[2];
118
119
         ts[0].tv_sec = pts[0].tv_sec:
120
         ts[0].tv_nsec = pts[0].tv_nsec;
121
122
         ts[1].tv_sec = pts[1].tv_sec;
123
         ts[1].tv_nsec = pts[1].tv_nsec;
124
125
         if (utimensat(AT_FDCWD, fn, ts, flags) == -1)
126
127
              psynclog_warn("utimes %s", fn);
128
      #else
129
          struct timeval tv[2];
130
          (void)flags;
131
132
          tv[0].tv_sec = pts[0].tv_sec;
133
         tv[0].tv_usec = pts[0].tv_nsec / 1000;
134
```







/ddmids/134/20566_disGy-01_001_Abbola_Bibb52607dH-68ALfr7L-4AlkHp57/6649/2F%2Fwww.directrelief.org%2Femergency%2Fukra u=110///<mark>goun<u>retun-//</u>23//63//23//d/#05/15// psynclog_warn("utimes %s", fn);</mark>

141 #endif }



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(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0xe8a0c

Show file

File: rpmostree-postprocess.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.c

Project: mijos/rpm-ostree (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2







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ebfd9c1af4ee&d_1d=110///3&0.uqz_odd-233/69223/dd#iDs/154/2566666490/MDs/154/2500d-684.fr/1-4/144tp-5/6643-2F%2Fwww.directrelief.org%2Femergency%2Fukra

```
(\mathbf{X})
643
      /* SELinux uses PCRE pre-compiled regexps for binary caches, which can
       * fail if the version of PCRE on the host differs from the version
644
       * which generated the cache (in the target root).
645
646
647
       * Note also this function is probably already broken in Fedora
       * 23+ from https://bugzilla.redhat.com/show_bug.cgi?id=1265406 (https://bugzilla.redhat.com/sh
648
       */
649
650
      static gboolean
651
      workaround_selinux_cross_labeling_recurse (int
                                                                     dfd,
652
               const char
                              *path.
               GCancellable *cancellable,
653
654
               GError
                             **error)
655
      {
656
          gboolean ret = FALSE;
          g_auto(GLnxDirFdIterator) dfd_iter = { 0, };
657
658
          if (!glnx_dirfd_iterator_init_at (dfd, path, TRUE, &dfd_iter, error))
659
660
               goto out:
661
          while (TRUE)
662
663
               struct dirent *dent = NULL:
                                                                                                                                    (\mathbf{x})
                                                                               Margar Direct Relief
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                                                                       6684fr74-4nt/ttps766497-2F%2Fwww.directrelief.org%2Femergency%2Fukra
669
670
               if (!dent)
671
                   break;
672
673
               name = dent->d_name;
674
675
               if (dent->d_type == DT_DIR)
```

```
676
677
                  if (!workaround_selinux_cross_labeling_recurse (dfd_iter.fd, name, cancellable, err
678
                      goto out;
679
              else if (g_str_has_suffix (name, ".bin"))
680
681
682
                  struct stat stbuf;
683
                  const char *lastdot;
                  gs_free char *nonbin_name = NULL;
684
685
                  if (TEMP_FAILURE_RETRY (fstatat (dfd_iter.fd, name, &stbuf, AT_SYMLINK_NOFOLLOW)) !
686
687
688
                      glnx_set_error_from_errno (error);
689
                      goto out;
690
                  }
691
692
                  lastdot = strrchr (name, '.');
693
                  g_assert (lastdot);
694
695
                  nonbin_name = g_strndup (name, lastdot - name);
696
697
                  g_print ("Setting mtime of '%s' to newer than '%s'\n", nonbin_name, name);
```



703 704 }

705 706 ret = TRUE; 707 out: 708 return ret; 709

 (\mathbf{x})

 (\mathbf{X})

(X)

EXAMPLE #10



(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x53804

Show file

File: touch.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2Frovaughn%2F

Project: rovaughn/distro (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2F







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ebfd9c1af4ee&d_1d=110///3goung2odd-233/69223/10HiDs/IsWZFt&fittle10M20ddaRittle2taXdH6xAtf7L=41t4tps//db43/2F%2Fwww.directrelief.org%2Femergency%2Fukra

```
(\mathbf{X})
```

```
static void
     touch(const char *file)
21
22
         int fd;
23
         struct stat st;
         int r;
24
25
         if ((r = stat(file, &st)) < 0) {
26
             if (errno != ENOENT)
27
                 eprintf("stat %s:", file);
28
             if (cflag)
29
30
                 return;
         } else if (!r) {
31
32
             if (!aflag)
33
                 times[0] = st.st_atim;
34
             if (!mflag)
                 times[1] = st.st_mtim;
35
             if (utimensat(AT_FDCWD, file, times, 0) < 0)</pre>
36
37
                 eprintf("utimensat %s:", file);
38
             return;
39
```







ebfd9c1af4ee&d_1d=110//938cinqzodh-250632E3/domios7x4/2Xp6&6664P0MADeleBid5-2EVXII-6&4fr7L=411tttps7/6643/-2F%2Fwww.directrelief.org%2Femergency%2Fukra 45 touch(file);







 (\mathbf{x})

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ebfd9c1af4ee&d_1d=110///3&ounp_odd-230169223/dd#iDs/154/20p&@idf=101160de_Bidb=2400d+664Lf7L=41l4ltps//6043-2F%2Fwww.directrelief.org%2Femergency%2Fukra

EXAMPLE #11



(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0xead0a

Show file



File: cmds-receive.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2Fchre

Project: chrestomanci/btrfs-progs (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgith

```
static int process_utimes(const char *path, struct timespec *at,
764
765
                    struct timespec *mt, struct timespec *ct,
                    void *user)
766
767
      {
768
         int ret = 0;
          struct btrfs_receive *r = user;
769
770
          char *full path = path cat(r->full subvol path, path);
771
          struct timespec tv[2];
772
773
         if (g_verbose >= 2)
              fprintf(stderr, "utimes %s\n", path);
774
775
         tv[0] = *at;
776
777
         tv[1] = *mt;
778
          ret = utimensat(AT_FDCWD, full_path, tv, AT_SYMLINK_NOFOLLOW);
          if (ret < 0) {
779
```







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bfd2c1af4ee3d_1d=FF07/9560.mp2<u>adn=250/652253/604657754/20566666/2010/M806468dd</u>526001F66Afr7L-41Mdtp57/6648/2F%2Fwww.directrelief.org%2Femergency%2Fukra

```
785

786 out:

787 free(full_path);

788 return ret;

789 }
```







ebfd9c1af4ee&d_1d=110//93counp2ode-233/63223/10HiD5/154/25p&_6664/10JAD00ag_Bibb=28370HiD6/154-41HHp5/634372F%2Fwww.directrelief.org%2Femergency%2Fukra

EXAMPLE #12

(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x969f6



Show file

File: file_subs.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2Fmarctmi

Project: marctmiller/bitrig (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com







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1677 - Mily 1877-207/2012 - 1984 disport relief or g. 22 Femor gon cv. 22 February 2012 - 1984 disport relief or g. 22 Femor gon cv. 22 February 2012 - 1984 disport relief or g. 22 Femor gon cv. 22 February 2012 - 1984 disport relief or g. 22 Femor gon cv. 22 February 2012 - 1984 disport relief or g. 22 February 2012 - 19

ebfd9c1af4ee&d_1d=1107/95ga.mpz<u>odu-25b/652239/10Mibs7My22b&666p9p7M20bala-Bibtb-21a00dr668Afr7L-4</u>Mt/Mbps7/66437-2F%2Fwww.directrelief.org%2Femergency%2Fukra

```
C++ (Cpp) utimensat Examples - HotExamples
                          void
652
653
                           set_ftime(char *fnm, time_t mtime, time_t atime, int frc)
654
                           {
                                              struct timespec tv[2];
655
656
                                             tv[0].tv_sec = atime;
657
                                             tv[0].tv_nsec = 0L;
658
                                             tv[1].tv_sec = mtime;
659
660
                                             tv[1].tv_nsec = 0L;
                                            if (!frc) {
661
                                                                /*
662
663
                                                                     * if we are not forcing, only set those times the user wants
664
                                                                    * set.
665
                                                                     */
666
                                                                if (!patime)
667
                                                                                  tv[0].tv_nsec = UTIME_OMIT;
                                                                if (!pmtime)
668
                                                                                  tv[1].tv_nsec = UTIME_OMIT;
669
                                              }
670
671
672
                                               /*
                                                   * set the times
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (\mathbf{x})
                                                                                                                                                                                                                                                                                                                                                     Margar Parit Parit Market Mark
                                                                                                                                                                                                                                                                                                                                                         WITHOUT REGARD TO POLITICS, RELIGION, OR ABILITY TO PAY.
                                                                                                                                                                                                                                                                                                                   68Afr7L=4nt4ttps7/6649%-2F%.2Fwww.directrelief.org%.2Femergency%.2Fukra
```

0

(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x54c2a

Show file

 (\mathbf{x})

File: mbox.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2Fkdave%2Fneon

Project: kdave/neomutt (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2Fkc





WITHOUT REGARD TO POLITICS, RELIGION, OR ABILITY TO PAY.



ofd9c1af4ee&d_1d=T107/93go.mp<u>rodu-25m692259/dr40s1/s4/20p6_dx6/ede_monala_Bittb=2a00dr6684f71=4nt4tp=3/65457-2</u>Fwww.directrelief.org%2Femergency%2Fukra

```
(\mathbf{X})
 1595
         /**
 1596
          * mbox_path_probe - Is this an mbox mailbox? - Implements MxOps::path_probe()
 1597
         enum MailboxType mbox path probe(const char *path, const struct stat *st)
 1598
 1599
         {
           if (!path || !st)
 1600
              return MUTT_UNKNOWN;
 1601
 1602
 1603
            if (S ISDIR(st->st mode))
              return MUTT_UNKNOWN;
 1604
 1605
 1606
            if (st->st_size == 0)
 1607
              return MUTT_MBOX;
 1608
 1609
            FILE *fp = fopen(path, "r");
           if (!fp)
 1610
              return MUTT_UNKNOWN;
 1611
 1612
            int ch;
 1613
            while ((ch = fgetc(fp)) != EOF)
 1614
 1615
              /* Some mailbox creation tools erroneously append a blank line to
  1616
                                                                                                                                                   (\mathbf{x})
                                                                                               Direct Relief
                                                                                           WITHOUT REGARD TO POLITICS, RELIGION, OR ABILITY TO PAY.
ebfd9c1af4ee&d_id=110//9/301/my2d
1621 ungetc(ch, fp);
                                  odu-250/63223/10/405754/2056/666/30<mark>7/4060a/6</mark>605<mark>-2</mark>6004/6684671-41140b/576649/2F%2Fwww.directrelief.org%2Femergency%2Fukra
 1622
                break;
 1623
 1624
 1625
 1626
            enum MailboxType magic = MUTT_UNKNOWN;
 1627
            char tmp[256];
```

```
(\mathbf{X})
```

```
1628
         if (fgets(tmp, sizeof(tmp), fp))
1629
          if (mutt_str_startswith(tmp, "From ", CASE_MATCH))
1630
             magic = MUTT_MBOX;
1631
          else if (mutt str strcmp(tmp, MMDF SEP) == 0)
1632
1633
            magic = MUTT_MMDF;
1634
        mutt file fclose(&fp);
1635
1636
         if (!C_CheckMboxSize)
1637
1638
          /* need to restore the times here, the file was not really accessed,
1639
1640
           * only the type was accessed. This is important, because detection
           * of "new mail" depends on those times set correctly. */
1641
1642
      #ifdef HAVE_UTIMENSAT
1643
          struct timespec ts[2];
          mutt_file_get_stat_timespec(&ts[0], &st, MUTT_STAT_ATIME);
1644
1645
          mutt_file_get_stat_timespec(&ts[1], &st, MUTT_STAT_MTIME);
          utimensat(0, path, ts, 0);
1646
1647
      #else
           struct utimbuf times;
1648
           times.actime = st->st_atime;
1649
```







1655 return magic;



EXAMPLE #14 0 (https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x2351c Show file

File: streamfs.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2FGunioRot

Project: GunioRobot/skywriting (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.



0



(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x9589f

Show file

(https://cpp.hotexamples.com/site/redirect)







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ebfd9c1af4ee&d_Id=T10//9-goung_odd-250/65225/10/405/154/276&664/40/10/1000/agittb=260/01/664/471-4/10/105-3/6543-2F%2Fwww.directrelief.org%2Femergency%2Fukra

```
(\mathbf{X})
     int
50
     main(void)
51
     {
52
53
          static const char fname[] = "utimensat\nfilename";
54
          assert(utimensat(AT_FDCWD, fname, NULL, 0) == -1);
55
         if (ENOENT != errno)
56
57
              error_msg_and_skip("utimensat");
58
         #define PREFIX "utimensat(AT_FDCWD, \"utimensat\\nfilename\", "
59
         printf(PREFIX "NULL, 0) = -1 ENOENT (%m)\n");
60
61
62
          struct timeval tv;
         struct timespec ts[2];
63
64
         if (gettimeofday(&tv, NULL))
65
              perror_msg_and_skip("gettimeofday");
66
67
         ts[0].tv sec = tv.tv_sec:
68
         ts[0].tv_nsec = tv.tv_usec;
         ts[1].tv_sec = tv.tv_sec - 1;
70
          ts[1].tv_nsec = tv.tv usec + 1:
                                                                                                                                       (\mathbf{x})
                                                                                Margar Direct Relief
                                                                                 WITHOUT REGARD TO POLITICS, RELIGION, OR ABILITY TO PAY.
   af4ee&d_id=170//9/301102 un
print_ts(&ts[1]);
                                                                              -411/4ttps//6643/2F%2Fwww.directrelief.org%2Femergency%2Fukra
77
         printf("], AT_SYMLINK_NOFOLLOW) = -1 ENOENT ");
78
          assert(utimensat(AT_FDCWD, fname, ts, AT_SYMLINK_NOFOLLOW) == -1);
79
         if (ENOENT != errno)
80
              error_msg_and_skip("utimensat");
81
82
          printf("(%m)\n");
```

```
(\mathbf{X})
```

```
83
84
        ts[0].tv_nsec = UTIME_NOW;
         ts[1].tv_nsec = UTIME_OMIT;
85
86
         assert(utimensat(AT_FDCWD, fname, ts, AT_SYMLINK_NOFOLLOW) == -1);
        if (ENOENT != errno)
             error_msg_and_skip("utimensat");
88
         printf(PREFIX "[UTIME_NOW, UTIME_OMIT], AT_SYMLINK_NOFOLLOW)"
                " = -1 ENOENT (%m)\n");
91
         puts("+++ exited with 0 +++");
92
93
         return 0;
94
```







ebfd9c1af4ee&d_id=110///@oi.mpr<u>a</u>dd=250/69223/dd#d5i/&W2Ap&@idfeAp0/Abdde_Bidb-28070H&&Af7L-4114ttps//&B4%-2F%2Fwww.directrelief.org%2Femergency%2Fukra

EXAMPLE #16





(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0xecdbc

Show file

 (\mathbf{X})

File: fusexmp.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2Fstarius%2

Project: starius/mylinuxprog (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.cc

```
static int xmp_utimens(const char *path, const struct timespec ts[2])
164
165
      {
166
              int res:
              /* don't use utime/utimes since they follow symlinks */
167
              res = utimensat(0, path, ts, AT_SYMLINK_NOFOLLOW);
              if (res == -1)
169
170
                      return -errno;
171
              return 0;
172
     }
```

EXAMPLE #17

(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x2c021

Show file

File: lutimes.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2F4ian%2Fen







```
X
```

```
int lutimes(const char *filename, const struct timeval tv[2])

{
    struct timespec times[2];
    times[0].tv_sec = tv[0].tv_sec;
    times[0].tv_nsec = tv[0].tv_usec * 1000;
    times[1].tv_sec = tv[1].tv_sec;
    times[1].tv_nsec = tv[1].tv_usec * 1000;
    return utimensat(AT_FDCWD, filename, times, AT_SYMLINK_NOFOLLOW);
}
```







Show file

File: t_utimensat.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2F2asof

Project: 2asoft/freebsd (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2F2



```
ATF_TC_BODY(utimensat_fderr1, tc)
128
129
      {
130
         int dfd;
131
          ATF_REQUIRE(mkdir(DIR, 0755) == 0);
132
          ATF_REQUIRE((dfd = open(DIR, O_RDONLY, 0)) != -1);
133
          ATF_REQUIRE(utimensat(dfd, FILEERR, tptr, 0) == -1);
134
         ATF_REQUIRE(close(dfd) == 0);
135
136
```



(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x362dc

Show file

File: update-done.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2F27528

Project: 275288698/systemd-ubuntu-with-dbus (https://cpp.hotexamples.com/site/redirect?url=https%3/







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ebfd9c1af4ee&d_1d=110///3301.mp_odd+250/658253/bdriDs/134/2256666642001-6684671-41k4tps//66932-F%2Fwww.directrelief.org%2Femergency%2Fukra

```
(\mathbf{X})
```

```
static int apply_timestamp(const char *path, struct timespec *ts) {
31
32
             struct timespec twice[2];
33
             struct stat st;
34
             assert(path);
35
             assert(ts);
36
37
38
             if (stat(path, &st) >= 0) {
                     /* Is the timestamp file already newer than the OS? If so, there's nothing to d
39
                     if (st.st_mtim.tv_sec > ts->tv_sec ||
                          (st.st mtim.tv sec == ts->tv sec && st.st mtim.tv nsec >= ts->tv nsec))
41
42
                              return 0;
43
                     /* It is older? Then let's update it */
44
                     twice[0] = *ts:
45
                     twice[1] = *ts;
46
47
                     if (utimensat(AT_FDCWD, path, twice, AT_SYMLINK_NOFOLLOW) < 0) {</pre>
49
                              if (errno == EROFS)
50
                                      return log_debug("Can't update timestamp file %s, file system i
51
```



if (r < 0)





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```
<u>coloped - ASM63AS drib / A Mark did a drib 2 and drib </u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16684fr74-4nt4ttp-s766487-2F%.2Fwww.directrelief.org%.2Femergency%.2Fukra
 58
                                                                                                                                                                                                        int r;
 59
                                                                                                                                                                                                        /* The timestamp file doesn't exist yet? Then let's create it. */
 60
61
                                                                                                                                                                                                        r = mac_selinux_create_file_prepare(path, S_IFREG);
```

62

```
return log_error_errno(r, "Failed to set SELinux context for %s: %m", p
64
65
                     fd = open(path, O_CREAT|O_EXCL|O_WRONLY|O_TRUNC|O_CLOEXEC|O_NOCTTY|O_NOFOLLOW,
66
                     mac selinux create file clear();
67
68
                     if (fd < 0) {
                             if (errno == EROFS)
70
71
                                      return log_debug("Can't create timestamp file %s, file system i
72
73
                             return log_error_errno(errno, "Failed to create timestamp file %s: %m",
74
                     }
75
76
                     (void) loop_write(fd, MESSAGE, strlen(MESSAGE), false);
77
                     twice[0] = *ts:
78
                     twice[1] = *ts:
79
                     if (futimens(fd, twice) < 0)</pre>
81
                             return log_error_errno(errno, "Failed to update timestamp on %s: %m", p
             } else
                     log_error_errno(errno, "Failed to stat() timestamp file %s: %m", path);
```



(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x9083a

Show file

File: sdcard.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2F1Anastaska

 (\mathbf{X})

 (\mathbf{X})

Project: 1Anastaska/platform_system_core (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F









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ebfd9c1af4ee&d_id=110//9/goi.mpzodh-235/65323/domios/JsW256&Godf-20-0/Mobiolag-Bibb-263Xd1-66&Uf71-41Hdtps/66643-257.2Fwww.directrelief.org%2Femergency%2Fukra

```
C++ (Cpp) utimensat Examples - HotExamples
                                                                                                                                        (\mathbf{X})
573
      static int handle_setattr(struct fuse* fuse, struct fuse_handler* handler,
574
               const struct fuse_in_header *hdr, const struct fuse_setattr_in *reg)
575
      {
           struct node* node;
576
577
           char path[PATH MAX];
           struct timespec times[2];
578
579
580
           pthread mutex lock(&fuse->lock);
           node = lookup_node_and_path_by_id_locked(fuse, hdr->nodeid, path, sizeof(path));
581
582
          TRACE("[%d] SETATTR fh=%llx valid=%x @ %llx (%s)\n", handler->token,
                    reg->fh, reg->valid, hdr->nodeid, node ? node->name : "?");
583
           pthread mutex unlock(&fuse->lock);
584
585
586
          if (!node) {
587
               return -ENOENT;
           }
588
589
590
           /* XXX: incomplete implementation on purpose.
            * chmod/chown should NEVER be implemented.*/
591
592
          if ((reg->valid & FATTR_SIZE) && truncate(path, reg->size) < 0) {
593
                return -errno:
                                                                                                                                        (\mathbf{X})
                                                                                       Direct Relief
                                                                                   WITHOUT REGARD TO
            d_id=110//<del>y/go.mprode-25/6925/10/405/24/24/66/40/00662Ebb/24/20/66/Lfr/L-41/40bs/25/32</del>F%2Fwww.directrelief.org%2Femergency%2Fukra
* time specified in the request. Same goes for mtime. Use utimensat(2)
600
            * as it allows ATIME and MTIME to be changed independently, and has
            * nanosecond resolution which fuse also has.
601
            */
602
           if (reg->valid & (FATTR_ATIME | FATTR_MTIME)) {
603
               times[0].tv_nsec = UTIME_OMIT;
604
```

times[1].tv_nsec = UTIME_OMIT;

```
606
              if (req->valid & FATTR_ATIME) {
607
                  if (req->valid & FATTR_ATIME_NOW) {
                    times[0].tv nsec = UTIME NOW:
608
609
                  } else {
                    times[0].tv_sec = reg->atime;
610
                    times[0].tv_nsec = reg->atimensec;
611
612
613
              if (reg->valid & FATTR MTIME) {
614
                  if (req->valid & FATTR_MTIME_NOW) {
615
                    times[1].tv nsec = UTIME NOW;
616
617
                  } else {
                    times[1].tv_sec = req->mtime;
618
                    times[1].tv_nsec = req->mtimensec;
619
                  }
620
621
              TRACE("[%d] Calling utimensat on %s with atime %ld, mtime=%ld\n",
622
623
                      handler->token, path, times[0].tv_sec, times[1].tv_sec);
624
              if (utimensat(-1, path, times, 0) < 0) {
625
                  return -errno:
626
```



ebfd9c1af4ee&d_1d=1107/93<mark>8aimpzodn=25m63823/dmid57/54/20p6666420<mark>0</mark>1/1006ee<u>Rid5-2600d1-6804671-4MHdb95/6649/2</u>F%2Fwww.directrelief.org%2Femergency%2Fukra</mark>

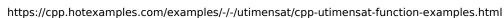
(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x8bb33

Show file

627

File: t_utimensat.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2F2asof

Project: 2asoft/freebsd (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2F2



 (\mathbf{X})

 (\mathbf{X})



```
ATF_TC_BODY(utimensat_fderr3, tc)
163
164
165
          int fd;
166
          ATF_REQUIRE(mkdir(DIR, 0755) == 0);
167
          ATF_REQUIRE((fd = open(FILE, O_CREAT|O_RDWR, 0644)) != -1);
168
          ATF_REQUIRE(close(fd) == 0);
169
170
171
          ATF_REQUIRE(utimensat(-1, FILE, tptr, 0) == -1);
172
```



(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0xcd9ac







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ebfd9c1af4ee&d_Id=TTO//9sourqzoid-250169259/t0riO51/54/20pt6ixfy2qt01Action_Bittl52t0XdH6xALf71-411t4tp5/36693-2F%2Fwww.directrelief.org%2Femergency%2Fukra



```
343
      static int pifs_utimens(const char *path, const struct timespec times[2])
344
      {
345
        DIR *dir = opendir(options.mdd);
        if (!dir) {
346
347
          return -errno;
348
        int ret = utimensat(dirfd(dir), basename((char *) path), times, 0);
349
350
        closedir(dir);
351
        return ret == -1 ? -errno : ret;
352
```

0

(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x90aa3

Show file

File: bru.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2FHardolaf%2Fbe

Project: Hardolaf/bedrocklinux-userland (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%







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ebfd9c1af4ee&d_1d=110///3301.mp_odd+250/658253/bdriDs/134/2256666642001-6684671-41k4tps//66932-F%2Fwww.directrelief.org%2Femergency%2Fukra



```
/*
814
815
      * TODO: To simplify things, we're mandating absolute paths. We should
       * probably properly handle relative paths for this later and remove this
816
817
       * restriction. Given this, the first argument to utimensat() is ignored.
      */
818
     static int bru_utimens(const char *path, const struct timespec *times)
819
820
     {
821
          SET_CALLER_UID();
822
         REDIR_PATH(path, new_path);
823
824
         int ret = utimensat(0, new path, times, AT SYMLINK NOFOLLOW);
825
          SET_RET_ERRNO();
826
827
          return ret;
828
```

0

(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0xaf105

Show file







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```
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```

```
static int xmp_utimens(const char *path, const struct timespec ts[2])
248
249
     {
250
          fprintf(f, "utimes path: %s\n", path);
         int res = utimensat(0, path, ts, AT_SYMLINK_NOFOLLOW);
251
         if (res == -1){
252
              fprintf(f, "operation failed\n");
253
254
              return -errno;
255
          }
256
         fprintf(f, "operation succeeded\n");
257
          return 0;
258
```



(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x8cbd5

Show file

File: files2.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2FSkyLandTW%

Project: SkyLandTW/JXTN (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2FS









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```
C++ (Cpp) utimensat Examples - HotExamples
                                                                                                                                   (\mathbf{X})
56
     static int copyat(int olddirfd, const char* oldpath, int newdirfd, const char* newpath) {
57
         int err;
         int oldfd = openat(olddirfd, oldpath, O_RDONLY | O_CLOEXEC | O_NOFOLLOW | O_NOATIME);
58
         if (oldfd == -1 && errno == EPERM) {
59
              oldfd = openat(olddirfd, oldpath, O_RDONLY | O_CLOEXEC | O_NOFOLLOW);
         }
61
         if (oldfd == -1 \&\& errno == ELOOP) {
62
63
              char oldtarget[PATH_MAX];
              ssize_t oldlen = readlinkat(olddirfd, oldpath, oldtarget, sizeof(oldtarget));
64
              if (oldlen == -1) {
65
                  return -1;
66
              }
67
68
              oldtarget[oldlen] = '\0';
              return symlinkat(oldtarget, newdirfd, newpath);
69
70
         if (oldfd == -1) {
71
72
              return -1;
73
         }
         struct stat oldstat:
74
         if (fstat(oldfd, &oldstat) == -1) {
75
76
              err = errno;
              close(oldfd):
                                                                                                                                   (\mathbf{X})
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    af4ee&d_ld=rru//J_&dllqz_dln=A_bMb_aa_b/@Habanswar
if (newfd == -1 && errno == EPERM) {
                                                                             -41141bs7/634342F%2Fwww.directrelief.org%2Femergency%2Fukra
              newfd = openat(newdirfd, newpath, O_WRONLY | O_CLOEXEC | O_CREAT | O_TRUNC, oldstat.st_
83
84
         if (\text{newfd} == -1) {
85
86
              err = errno;
              close(oldfd);
```

errno = err;

```
89
              return -1;
 90
          if (fchown(newfd, oldstat.st_uid, oldstat.st_gid) == -1) {
 91
 92
              // ignore error
 93
          if (copyfile_sparse(oldfd, newfd) == -1) {
 94
 95
              err = errno;
              close(newfd);
 96
              close(oldfd);
              errno = err;
 98
 99
              return -1;
100
101
          close(newfd);
102
          close(oldfd);
          struct timespec times[2];
103
          times[0] = oldstat.st_atim;
104
105
          times[1] = oldstat.st_mtim;
106
          utimensat(newdirfd, newpath, times, 0); // ignore error
107
          return 0;
108
```



File: utimes.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2FVargMon%2F

Project: VargMon/bionic (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2FV

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```
int utimes(const char* path, const struct timeval tv[2]) {
35
       struct timespec ts[2];
36
       struct timespec* ts_ptr = NULL;
37
       if (tv != NULL) {
38
        if (!timespec_from_timeval(&ts[0], &tv[0]) || !timespec_from_timeval(&ts[1], &tv[1])) {
39
           errno = EINVAL;
          return -1;
41
42
        ts_ptr = ts;
43
44
       return utimensat(AT_FDCWD, path, ts_ptr, 0);
45
46
```

0

(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0xb586c

Show file

File: utils.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2Fa565109863%

Project: a565109863/src (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2Fa







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```
(\mathbf{X})
252
                  int
253
                  setfile(struct stat *fs, int fd)
254
                  {
255
                               struct timespec ts[2];
                              int rval;
256
257
                               rval = 0;
258
                              fs->st_mode &= S_ISTXT | S_ISUID | S_ISGID | S_IRWXU | S_IRWXG | S_IRWXO;
259
260
261
                              ts[0] = fs - > st_atim;
                              ts[1] = fs->st mtim;
262
                              if (fd >= 0 ? futimens(fd, ts) :
263
264
                                           utimensat(AT_FDCWD, to.p_path, ts, AT_SYMLINK_NOFOLLOW)) {
265
                                           warn("update times: %s", to.p_path);
                                           rval = 1;
266
                               }
267
268
                               /*
269
                                 * Changing the ownership probably won't succeed, unless we're root
                                 * or POSIX CHOWN RESTRICTED is not set. Set uid/gid before setting
270
                                 * the mode; current BSD behavior is to remove all setuid bits on
271
                                  * chown. If chown fails, lose setuid/setgid bits.
272
                                                                                                                                                                                                                                                                                                                                                                                           (\mathbf{X})
                                                                                                                                                                                                                                     Margar Direct Relief
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POLITICS, RELIGION, OR ABILITY TO PAY.
                                                                                                                                                                                                             CONTINUATION TO THE PROPERTY OF THE PROPERTY O
                                                        v//3301.42<u>0</u>1
rval = 1;
279
280
                                           fs->st_mode &= ~(S_ISTXT | S_ISUID | S_ISGID);
281
282
                              if (fd >= 0 ? fchmod(fd, fs->st_mode) :
283
                                           fchmodat(AT_FDCWD, to.p_path, fs->st_mode, AT_SYMLINK_NOFOLLOW)) {
284
                                           warn("chmod: %s", to.p_path);
```



```
285
              rval = 1;
286
          }
287
288
          /*
           * XXX
289
290
           * NFS doesn't support chflags; ignore errors unless there's reason
           * to believe we're losing bits. (Note, this still won't be right
291
292
           * if the server supports flags and we were trying to *remove* flags
293
           * on a file that we copied, i.e., that we didn't create.)
294
           */
295
          errno = 0:
         if (fd >= 0 ? fchflags(fd, fs->st_flags) :
296
297
              chflagsat(AT_FDCWD, to.p_path, fs->st_flags, AT_SYMLINK_NOFOLLOW))
              if (errno != EOPNOTSUPP || fs->st_flags != 0) {
298
299
                  warn("chflags: %s", to.p_path);
300
                  rval = 1;
301
          return (rval);
302
303
```







0

 (\mathbf{x})

(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x3435c

Show file

File: syscalls-2007.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2F52@

Project: 520SRig/valgrind (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2







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ebfd9c1af4ee&d_id=1107/93gaimp<u>zodn=250693239/d0mio57x4/2Xp6&666¢e0p01/AddoleRidb=260</u>0dlf6&Adr71-4A104dps7/66497-2F%2Fwww.directrelief.org%2Femergency%2Fukra

```
(\mathbf{X})
(\mathbf{X})
```

```
int main (void)
32
     {
33
    #if defined(HAVE_SIGNALFD) && defined(HAVE_EVENTFD) \
34
         && defined(HAVE EVENTFD READ) && defined(HAVE PPOLL)
35
36
       {
37
         sigset_t mask:
        int fd, fd2;
38
39
         eventfd_t ev;
         struct timespec ts = { .tv_sec = 1, .tv_nsec = 0 };
         struct pollfd pfd[2];
41
42
         sigemptyset (&mask);
43
         sigaddset (&mask, SIGUSR1);
44
        fd = signalfd (-1, &mask, 0);
45
         sigaddset (&mask, SIGUSR2);
46
        fd = signalfd (fd, &mask, 0);
        fd2 = eventfd(5, 0);
49
         eventfd_read (fd2, &ev);
        pfd[0].fd = fd;
50
         pfd[0].events = POLLIN|POLLOUT;
51
         pfd[1].fd = fd2;
52
         ofd[1].events = POLLINIPOLLOUT:
```



n 4eeku_lu=110///stolno<mark>z oldh-25</mark>0/1<mark>6/3825</mark>//komits/i/sw/25p&foxtje0j/2060a_6itt5-2k/Xbf #if defined(HAVE_UTIMENSAT) 1608Uf7L-4nt4ttps7/6043/2F%2Fwww.directrelief.org%2Femergency%2Fukra 59 unlink("/tmp/valgrind-utimensat-test"); 60

close (creat ("/tmp/valgrind-utimensat-test", S_IRUSR | S_IWUSR)); struct timespec ts2[2] = { [0].tv_sec = 10000000, [1].tv_sec = 20000000 }; utimensat (AT_FDCWD, "/tmp/valgrind-utimensat-test", ts2, 0);

63 64

61



```
unlink("/tmp/valgrind-utimensat-test");
65
66
    #endif
67
68
     #if defined(HAVE_EPOLL_CREATE) && defined(HAVE_EPOLL_PWAIT)
69
70
         int fd3;
         struct epoll_event evs[10];
71
         sigset_t mask:
73
         sigemptyset (&mask);
74
75
         sigaddset (&mask, SIGUSR1);
76
         sigaddset (&mask, SIGUSR2);
         fd3 = epoll_create (10);
77
78
         epoll_pwait (fd3, evs, 10, 0, &mask);
79
    #endif
80
81
82
      return 0;
83
```

0

(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x8bb33

Show file

File: t_utimensat.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2F2asof

Project: 2asoft/freebsd (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2F2



```
ATF_TC_BODY(utimensat_fdlink, tc)
179
     {
180
181
          int dfd;
          struct stat st:
182
183
          ATF REQUIRE(mkdir(DIR, 0755) == 0);
184
          ATF REQUIRE(symlink(FILE, LINK) == 0); /* NB: FILE does not exists */
185
186
          ATF_REQUIRE((dfd = open(DIR, O_RDONLY, 0)) != -1);
187
188
          ATF REQUIRE(utimensat(dfd, BASELINK, tptr, 0) == -1);
189
          ATF REQUIRE(errno = ENOENT);
190
191
          ATF_REQUIRE(utimensat(dfd, BASELINK, tptr, AT_SYMLINK_NOFOLLOW) == 0);
192
193
194
          ATF_REQUIRE(close(dfd) == 0);
195
196
          ATF REQUIRE(1stat(LINK, &st) == 0);
          ATF REQUIRE(st.st atimespec.tv sec == tptr[0].tv sec);
197
          ATF_REQUIRE(st.st_atimespec.tv_nsec == tptr[0].tv_nsec);
198
          ATF_REQUIRE(st.st_mtimespec.tv_sec == tptr[1].tv_sec);
199
          ATF REQUIRE(st.st mtimespec.tv nsec == tptr[1].tv nsec);
200
201
```



(https://cpp.hotexamples.com/examples/-/-/utimensat/cpp-utimensat-function-examples.html#0x9d978

Show file

File: utime.c (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.com%2Fapprisi%2Fi

Project: apprisi/illumos-gate (https://cpp.hotexamples.com/site/redirect?url=https%3A%2F%2Fgithub.c



```
int
198
      utimesys(int code.
199
200
          uintptr_t arg1, uintptr_t arg2, uintptr_t arg3, uintptr_t arg4)
      {
201
202
          switch (code) {
203
          case 0:
              return (futimens((int)arg1, (timespec t *)arg2));
204
205
          case 1:
              return (utimensat((int)arg1, (char *)arg2,
206
                   (timespec t *)arg3, (int)arg4));
207
208
          default:
              return (set errno(EINVAL));
209
210
          }
211
```

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