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# **Open Source Used In WAP200 firmware version 2.0.4.x**

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## 1.9 init 1.21

### 1.9.1 Available under license :

```
/* expand.c: expand a file with holes into another
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```
#include <unistd.h>
#include <stdlib.h>
#include <stdio.h>
#include <sys/types.h>
#include <sys/stat.h>
#include <fcntl.h>
#include <netinet/in.h>
#include <string.h>
#include <config/autoconf.h>
```

```
int
main(int argc, char *argv[])
{
    int fdi;
    int fdo;
    unsigned int pos;
    unsigned int len;
    unsigned int count;
    char *buf;

    count = 0;

    if (argc < 3) {
        fprintf(stderr, "usage: %s fromfile tofile\n", argv[0]);
        exit(1);
    }

    if ((fdi = open(argv[1], O_RDONLY)) < 0) {
        fprintf(stderr, "Can't open compressed file %s\n", argv[1]);
        exit(2);
    }

    if ((fdo = open(argv[2], O_WRONLY | O_CREAT | O_TRUNC, 0666)) < 0) {
        fprintf(stderr, "Can't open expanded file %s\n", argv[2]);
        close(fdi);
        exit(3);
    }

    if (!(buf = malloc(2048))) {
        fprintf(stderr, "can't allocate memory\n");
        close(fdi);
        close(fdo);
    }
}
```

```

    exit(10);
}

/* Prefill */
read(fdi,&len,4);
len = ntohl(len);

#ifdef CONFIG_USER_INIT_EXPAND_NOZEROES
memset(buf, 0, 2048);
while(len>0) {
    write(fdo, buf, (len > 2048) ? 2048 : len);
    len -= 2048;
}
#endif

lseek(fdo, 0, SEEK_SET);

/* ZRLE */
while (read(fdi,&pos,4) == 4) {
    if (read(fdi,&len,4) != 4) break;
    pos = ntohl(pos);
    len = ntohl(len);

    lseek(fdo,pos,SEEK_SET);
    read(fdi,buf,len);
    write(fdo,buf,len);
}

close(fdi);
close(fdo);
free(buf);

exit(0);
}

```

## 1.10 libmatrixssl 1.2.5

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## 1.17 ntpclient 2003.0

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