

**MKFLDHDR(8)**

| REVISION HISTORY |      |             |      |
|------------------|------|-------------|------|
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## Chapter 1

# SYNOPSIS

**mkfldhdr** [-D dbglev, legacy] [-d target directory] [field table ...]

## Chapter 2

# DESCRIPTION

Program generates C header files from field table declaration tables. Field tables are declared as macros which later are translated into C header files. Field tables also are used in runtime in boolean expressions and also in dumping the buffer.

There is special syntax within field tables.

- Lines to be sent to C Header are declared as: \$
- The base number is declared as *\*base NUMBER*. The number is logical field offset.
- Empty lines are ignored.
- # Is comment, which is ignored.
- All other are treated as field name in start of the line.
- Syntax for field definition is following: "FIELD\_NAME ID TYPE OCC DESCRIPTION" where

### FIELD\_NAME

Is field UBF field name.

### ID

Is relative field it within *\*base*. *\*base+field ID* must be below *NDRX\_UBFMAXFLDS* number defined in environment. Max number is 33554432 (25 bit).

### OCC

Occurrences, 1 - single field. M - maybe be multiple fields.

### DESCRIPTION

Field description.

Example input (testws.fd file):

```
$/**
$ * Web service test ud file.
$ *
$ * @file      testws.fd
$ * @author    madars Vitols
$ * @copyright madars Vitols
$ * @version   SVN: $Id$
$ */

$ifndef __TEST_FD
$define __TEST_FD

*base 1000
```

```

T_STATCODE      0      long      1 Test field...
T_STATMSG       1      string     1 Test field...
T_ITEMSTOT      2      long       1 Test field...
T_AMTSTRTOT     3      string     1 Test field...
T_PAGESTOT      4      long       1 Test field...
T_SHORT         5      short      1 Test field...
T_CHAR          6      char       1 Test field...
T_FLOAT         7      float      1 Test field...
T_DOUBLE        8      double     1 Test field...
T_STRING        9      string     1 Test field...
T_USERNAME     10      string     1 Test field...
T_PAGENUM      11      long       1 Test field...
T_ITEMSP       12      long       1 Test field...

T_SOMEDATE      13      long       1 Test field...
T_SRCHDATE      14      long       1 Test field...
T_SRCHPRM1      15      string     1 Test field...
T_SRCHPRM2      16      string     1 Test field...
T_MYFIELDS      17      string     1 Test field...
SRVCNM          18      string     1 Service name to call
T_CONSTFIELD    19      string     1 This is constant.
T_MYLONGFLDS    20      long       1 Long array test

```

```
$#endif
```

Example output after utility run (testws.fd.h):

```

/**
 * Web service test ud file.
 *
 * @file      testws.fd
 * @author    madars Vitols
 * @copyright  madars Vitols
 * @version   SVN: $Id$
 */
#ifndef __TEST_FD
#define __TEST_FD
/*      fname      bflldid      */
/*      -----      */
#define T_STATCODE      ((BFLDID32)33555432) /* number: 1000 type: long */
#define T_STATMSG       ((BFLDID32)167773161) /* number: 1001 type: string */
#define T_ITEMSTOT      ((BFLDID32)33555434) /* number: 1002 type: long */
#define T_AMTSTRTOT     ((BFLDID32)167773163) /* number: 1003 type: string */
#define T_PAGESTOT      ((BFLDID32)33555436) /* number: 1004 type: long */
#define T_SHORT         ((BFLDID32)1005) /* number: 1005 type: short */
#define T_CHAR          ((BFLDID32)67109870) /* number: 1006 type: char */
#define T_FLOAT         ((BFLDID32)100664303) /* number: 1007 type: float */
#define T_DOUBLE        ((BFLDID32)134218736) /* number: 1008 type: double */
#define T_STRING        ((BFLDID32)167773169) /* number: 1009 type: string */
#define T_USERNAME      ((BFLDID32)167773170) /* number: 1010 type: string */
#define T_PAGENUM       ((BFLDID32)33555443) /* number: 1011 type: long */
#define T_ITEMSP        ((BFLDID32)33555444) /* number: 1012 type: long */
#define T_SOMEDATE      ((BFLDID32)33555445) /* number: 1013 type: long */
#define T_SRCHDATE      ((BFLDID32)33555446) /* number: 1014 type: long */
#define T_SRCHPRM1      ((BFLDID32)167773175) /* number: 1015 type: string */
#define T_SRCHPRM2      ((BFLDID32)167773176) /* number: 1016 type: string */
#define T_MYFIELDS      ((BFLDID32)167773177) /* number: 1017 type: string */
#define SRVCNM          ((BFLDID32)167773178) /* number: 1018 type: string */
#define T_CONSTFIELD    ((BFLDID32)167773179) /* number: 1019 type: string */
#define T_MYLONGFLDS    ((BFLDID32)33555452) /* number: 1020 type: long */
#endif

```

Note that program uses *FIELDTBL*s and *FLDTBLDIR* environment variables for accessing field tables.

## Chapter 3

# OPTIONS

**-D *DEBUG\_LEVEL***

Not used. Left for capability with Tuxedo.

**-d *OUTPUT\_DIR***

Directory where to dump the generated header files.

**-m *LANGUAGE\_MODE***

Language mode. Value *0* (default) for C language header. *1* for GO language constants file.

**-p *LANG\_PRIVATE\_DATA***

Private data for language module. For GO language it is used for package name.

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## Chapter 4

# EXIT STATUS

**0**

Success

**NON\_ZERO**

Failure

---

## Chapter 5

# BUGS

Report bugs to [madars.vitolins@gmail.com](mailto:madars.vitolins@gmail.com)

## Chapter 6

# SEE ALSO

`ex_overview`, `ex_env`(5)

## Chapter 7

# AUTHOR

EnduroX is created by Madars Vitolins.

## **Chapter 8**

# **COPYING**

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