# MKFLDHDR(8)

**REVISION HISTORY**

| NUMBER | DATE | DESCRIPTION | NAME |
|---|---|---|---|
|  |  |  |  |

# Contents

# 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 bellow *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
$ * @copyright  Mavimax, ltd
$ * @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_ITEMSPP       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
 * @copyright Mavimax, ltd
 * @version   SVN: $Id$
 */
#ifndef __TEST_FD
#define __TEST_FD
/*      fname   bfldid          */
/*      -----   -----           */
#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_ITEMSPP       ((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
```

# Chapter 3

# ENVIRONMENT

**FIELDTBLS**
Comma separated list of field table file names.

**FLDTBLDIR**
Colon separated list of directories where field tables are located.

# Chapter 4

# 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. *2* for Java constant classes.

**-p** *LANG_PRIVATE_DATA*
> Private data for language module. For GO and Java languages it is used for package name.

# Chapter 5

# EXIT STATUS

**0**
   Success

**NON_ZERO**
   Failure

# Chapter 6

# BUGS

Report bugs to support@mavimax.com

# Chapter 7

# SEE ALSO

**ex_overview**, **ex_env(5)**

# Chapter 8

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