

**MKFLDHDR(8)**

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

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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 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      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_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

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## Chapter 6

# BUGS

Report bugs to [support@mavimax.com](mailto:support@mavimax.com)

## Chapter 7

## SEE ALSO

`ex_overview`, `ex_env`(5)

## **Chapter 8**

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