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1.4 libxml 2.9.4

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
Mike Belshe (mbelshe@netscape.com)
Michael Campanella (campanella@stevms.enet.dec.com)
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation
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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root...
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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1.8 libdevmapper 1.02.1

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
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This is syslog-ng, written and maintained by <bazsi@balabit.hu>
on Sat, 03 Mar 2007 16:07:59 +0100

The original source can always be found at:
http://www.balabit.hu/downloads/files/syslog-ng

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/* A Bison parser, made by GNU Bison 3.0.2. */

/* Bison implementation for Yacc-like parsers in C


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/* As a special exception, you may create a larger work that contains
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/* C LALR(1) parser skeleton written by Richard Stallman, by simplifying the original so-called "semantic" parser. */

/* All symbols defined below should begin with yy or YY, to avoid infringing on user name space. This should be done even for local variables, as they might otherwise be expanded by user macros. There are some unavoidable exceptions within include files to define necessary library symbols; they are noted "INFRINGES ON USER NAME SPACE" below. */

/* Identify Bison output. */
#define YYBISON 1

/* Bison version. */
#define YYBISON_VERSION "3.0.2"

/* Skeleton name. */
#define YYSKELETON_NAME "yacc.c"

/* Pure parsers. */
#define YYPURE 1

/* Push parsers. */
#define YYPUSH 0

/* Pull parsers. */
#define YYPULL 1

/* Substitute the variable and function names. */
#define yyparse rewrite_expr_parse
#define yylex rewrite_expr_lex
#define yyerror rewrite_expr_error
#define yydebug rewrite_expr_debug
#define yynerrs rewrite_expr_nerrs

/* Copy the first part of user declarations. */
#line 73 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:339 */
#ifndef YY_NULLPTR
# if defined __cplusplus && 201103L <= __cplusplus
#   define YY_NULLPTR nullptr
#  else
#   define YY_NULLPTR 0
#  endif
#endif

/* Enabling verbose error messages. */
#ifndef YYERROR_VERBOSE
# undef YYERROR_VERBOSE
# define YYERROR_VERBOSE 1
#else
# define YYERROR_VERBOSE 1
#endif

/* In a future release of Bison, this section will be replaced
   by #include "y.tab.h". */
#ifndef YY_REWRITE_EXPR_LIB_REWRITE_REWRITE_EXPR_GRAMMAR_H_INCLUDED
# define YY_REWRITE_EXPR_LIB_REWRITE_REWRITE_EXPR_GRAMMAR_H_INCLUDED
/* Debug traces. */
#ifndef YYDEBUG
# define YYDEBUG 0
#else
# if YYDEBUG
extern int rewrite_expr_debug;
#endif
/* "%code requires" blocks. */
#line 25 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:355 */

#include "rewrite/rewrite-expr-parser.h"

#line 109 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:355 */

/* Token type. */
#ifndef YYTOKENTYPE
# define YYTOKENTYPE
enum yytokentype
{
  LL_CONTEXT_ROOT = 1,
  LL_CONTEXT_DESTINATION = 2,
  LL_CONTEXT_SOURCE = 3,
  LL_CONTEXT_PARSER = 4,
  LL_CONTEXT_REWRITE = 5,
  LL_CONTEXT_FILTER = 6,
LL_CONTEXT_LOG = 7,
LL_CONTEXT_BLOCK_DEF = 8,
LL_CONTEXT_BLOCK_REF = 9,
LL_CONTEXT_BLOCK_CONTENT = 10,
LL_CONTEXT_BLOCK_ARG = 11,
LL_CONTEXT_PRAGMA = 12,
LL_CONTEXT_FORMAT = 13,
LL_CONTEXT TEMPLATE_FUNC = 14,
LL_CONTEXT INNER_DEST = 15,
LL_CONTEXT INNER_SRC = 16,
LL_CONTEXT_CLIENT_PROTO = 17,
LL_CONTEXT SERVER_PROTO = 18,
KW_SOURCE = 10000,
KW_FILTER = 10001,
KW_PARSER = 10002,
KW_DESTINATION = 10003,
KW_LOG = 10004,
KW_OPTIONS = 10005,
KW_INCLUDE = 10006,
KW_BLOCK = 10007,
KW_JUNCTION = 10008,
KW_CHANNEL = 10009,
KW_INTERNAL = 10010,
KW_FILE = 10011,
KW_SQL = 10030,
KW_TYPE = 10031,
KW_COLUMNS = 10032,
KW_INDEXES = 10033,
KW_VALUES = 10034,
KW_PASSWORD = 10035,
KW_DATABASE = 10036,
KW_USERNAME = 10037,
KW_TABLE = 10038,
KW_ENCODING = 10039,
KW_SESSION_STATEMENTS = 10040,
KW_DELIMITERS = 10050,
KW_QUOTES = 10051,
KW_QUOTE_PAIRS = 10052,
KW_NULL = 10053,
KW_SYSLOG = 10060,
KW_MARK_FREQ = 10071,
KW STATS_FREQ = 10072,
KW_STATS_LEVEL = 10073,
KW_STATS_LIFETIME = 10074,
KW_FLUSH_LINES = 10075,
KW SUPPRESS = 10076,
KW_FLUSH_TIMEOUT = 10077,
KW_LOG MSG SIZE = 10078,
KW_FILE_TEMPLATE = 10079,
KW_PROTO_TEMPLATE = 10080,
KW_MARK_MODE = 10081,
KW_CHAIN_HOSTNAMES = 10090,
KW_NORMALIZE_HOSTNAMES = 10091,
KW_KEEP_HOSTNAME = 10092,
KW_CHECK_HOSTNAME = 10093,
KW_BAD_HOSTNAME = 10094,
KW_KEEP_TIMESTAMP = 10100,
KW_USE_DNS = 10110,
KW_USE_FQDN = 10111,
KW_CUSTOM_DOMAIN = 10112,
KW_DNS_CACHE = 10120,
KW_DNS_CACHE_SIZE = 10121,
KW_DNS_CACHE_EXPIRE = 10130,
KW_DNS_CACHE_EXPIRE_FAILED = 10131,
KW_DNS_CACHE_HOSTS = 10132,
KW_PERSIST_ONLY = 10140,
KW_USE_RCPTID = 10141,
KW_TZ_CONVERT = 10150,
KW_TS_FORMAT = 10151,
KW_FRAC_DIGITS = 10152,
KW_LOG_FIFO_SIZE = 10160,
KW_LOG_FETCH_LIMIT = 10162,
KW_LOG_IW_SIZE = 10163,
KW_LOG_PREFIX = 10164,
KW_PROGRAM_OVERRIDE = 10165,
KW_HOST_OVERRIDE = 10166,
KW_THROTTLE = 10170,
KW_THREADED = 10171,
KW_FLAGS = 10190,
KW_PAD_SIZE = 10200,
KW_TIME_ZONE = 10201,
KW_RECV_TIME_ZONE = 10202,
KW_SEND_TIME_ZONE = 10203,
KW_LOCAL_TIME_ZONE = 10204,
KW_FORMAT = 10205,
KW_TIME_REOPEN = 10210,
KW_TIME_REAP = 10211,
KW_TIME_SLEEP = 10212,
KW_TMPL_ESCAPE = 10220,
KW_OPTIONAL = 10230,
KW_CREATE_DIRS = 10240,
KW_OWNER = 10250,
KW_GROUP = 10251,
KW_PERM = 10252,
KW_DIR_OWNER = 10260,
KW_DIR_GROUP = 10261,
KW_DIR_PERM = 10262,
KW_TEMPLATE = 10270,
KW_TEMPLATE_ESCAPE = 10271,
KW_DEFAULT_FACILITY = 10300,
KW_DEFAULT_LEVEL = 10301,
KW_PORT = 10323,
KW_USE_TIME_RECVD = 10340,
KW_FACILITY = 10350,
KW_LEVEL = 10351,
KW_HOST = 10352,
KW_MATCH = 10353,
KW_MESSAGE = 10354,
KW_NETMASK = 10355,
KW_TAGS = 10356,
KW_VALUE = 10361,
KW_REWRITE = 10370,
KW_SET = 10371,
KW_SUBST = 10372,
KW_YES = 10380,
KW_NO = 10381,
KW_IFDEF = 10410,
KW_ENDIF = 10411,
LL_DOTDOT = 10420,
LL_IDENTIFIER = 10421,
LL_NUMBER = 10422,
LL_FLOAT = 10423,
LL_STRING = 10424,
LL_TOKEN = 10425,
LL_BLOCK = 10426,
LL_PRAGMA = 10427,
LL_EOL = 10428,
LL_ERROR = 10429,
KW_VALUE_PAIRS = 10500,
KW_SELECT = 10501,
KW_EXCLUDE = 10502,
KW_PAIR = 10503,
KW_KEY = 10504,
KW_SCOPE = 10505,
KW_SHIFT = 10506,
KW_REKEY = 10507,
KW_ADD_PREFIX = 10508,
KW_REPLACE_PREFIX = 10509,
KW_ON_ERROR = 10510,
KW_RETRIES = 10511,
KW_CONDITION = 10513,
KW_SET_TAG = 10514,
KW_CLEAR_TAG = 10515,
KW_GROUP_SET = 10516
};
#endif
/* Tokens. */
#define LL_CONTEXT_ROOT 1
#define LL_CONTEXT_DESTINATION 2
#define LL_CONTEXT_PARSER 3
#define LL_CONTEXT_REWRITE 4
#define LL_CONTEXT_FILTER 5
#define LL_CONTEXT_LOG 6
#define LL_CONTEXT_BLOCK_DEF 7
#define LL_CONTEXT_BLOCK_ARG 8
#define LL_CONTEXT_BLOCK_REF 9
#define LL_CONTEXT_BLOCK_CONTENT 10
#define LL_CONTEXT_PARSER_ARG 11
#define LL_CONTEXT_PRAGMA 12
#define LL_CONTEXT_FORMAT 13
#define LL_CONTEXT_TEMPLATE_FUNC 14
#define LL_CONTEXT_PARSER_ARG 15
#define LL_CONTEXT_CLIENT_PROTO 16
#define LL_CONTEXT_SERVER_PROTO 17
#define LL_CONTEXT_CLIENT_PROTO 18
#define KW_SOURCE 10000
#define KW_FILTER 10001
#define KW_PARSER 10002
#define KW_DESTINATION 10003
#define KW_OPTIONS 10004
#define KW_INCLUDE 10005
#define KW_BLOCK 10006
#define KW_JUNCTION 10007
#define KW_CHANNEL 10008
#define KW_INTERNAL 10009
#define KW_FILE 10010
#define KW_SQL 10011
#define KW_TYPE 10012
#define KW_COLUMNS 10013
#define KW_INDEXES 10014
#define KW_PASSWORD 10015
#define KW_DATABASE 10016
#define KW_USERNAME 10017
#define KW_TABLE 10018
#define KW_ENCODING 10019
#define KW_SESSION_STATEMENTS 10020
#define KW_DELIMITERS 10021
#define KW_QUOTES 10022
#define KW_QUOTE_PAIRS 10023
#define KW_NULL 10024
#define KW_SYSLOG 10060
#define KW_MARK_FREQ 10071
#define KW_STATS_FREQ 10072
#define KW_STATS_LEVEL 10073
#define KW_STATS_LIFETIME 10074
#define KW_FLUSH_LINES 10075
#define KW_SUPPRESS 10076
#define KW_FLUSH_TIMEOUT 10077
#define KW_LOG_MSG_SIZE 10078
#define KW_FILE_TEMPLATE 10079
#define KW_PROTO_TEMPLATE 10080
#define KW_MARK_MODE 10081
#define KW_CHAIN_HOSTNAMES 10090
#define KW_NORMALIZE_HOSTNAMES 10091
#define KW_KEEP_HOSTNAME 10092
#define KW_CHECK_HOSTNAME 10093
#define KW_BAD_HOSTNAME 10094
#define KW_KEEP_TIMESTAMP 10100
#define KW_USE_DNS 10110
#define KW_USE_FQDN 10111
#define KW_CUSTOM_DOMAIN 10112
#define KW_DNS_CACHE 10120
#define KW_DNS_CACHE_SIZE 10121
#define KW_DNS_CACHE_EXPIRE 10130
#define KW_DNS_CACHE_EXPIRE_FAILED 10131
#define KW_DNS_CACHE_HOSTS 10132
#define KW_PERSIST_ONLY 10140
#define KW_USE_RCPTID 10141
#define KW_TZ_CONVERT 10150
#define KW_TS_FORMAT 10151
#define KW_FRAC_DIGITS 10152
#define KW_LOG_FIFO_SIZE 10160
#define KW_LOG_FETCH_LIMIT 10162
#define KW_LOG_IW_SIZE 10163
#define KW_LOG_PREFIX 10164
#define KW_PROGRAM_OVERRIDE 10165
#define KW_HOST_OVERRIDE 10166
#define KW_THROTTLE 10170
#define KW_THREADED 10171
#define KW_FLAGS 10190
#define KW_PAD_SIZE 10200
#define KW_TIME_ZONE 10201
#define KW_RECV_TIME_ZONE 10202
#define KW_SEND_TIME_ZONE 10203
#define KW_LOCAL_TIME_ZONE 10204
#define KW_FORMAT 10205
#define KW_TIME_REOPEN 10210
#define KW_TIME_REAP 10211
```c
#define KW_TIME_SLEEP 10212
#define KW_TMPL_ESCAPE 10220
#define KW_OPTIONAL 10230
#define KW_CREATE_DIRS 10240
#define KW_OWNER 10250
#define KW_GROUP 10251
#define KW_PERM 10252
#define KW_DIR_OWNER 10260
#define KW_DIR_GROUP 10261
#define KW_DIR_PERM 10262
#define KW_TEMPLATE 10270
#define KW_TEMPLATE_ESCAPE 10271
#define KW_DEFAULT_FACILITY 10300
#define KW_DEFAULT_LEVEL 10301
#define KW_PORT 10323
#define KW_USE_TIME_RECVD 10340
#define KW_FACILITY 10350
#define KW_LEVEL 10351
#define KW_HOST 10352
#define KW_MATCH 10353
#define KW_MESSAGE 10354
#define KW_NETMASK 10355
#define KW_TAGS 10356
#define KW_VALUE 10361
#define KW_REWRITE 10370
#define KW_SET 10371
#define KW_SUBST 10372
#define KW_YES 10380
#define KW_NO 10381
#define KW_IFDEF 10410
#define KW_ENDIF 10411
#define LL_DOTDOT 10420
#define LL_IDENTIFIER 10421
#define LL_NUMBER 10422
#define LL_FLOAT 10423
#define LL_STRING 10424
#define LL_TOKEN 10425
#define LL_BLOCK 10426
#define LL_PRAGMA 10427
#define LL_EOL 10428
#define LL_ERROR 10429
#define KW_VALUE_PAIRS 10500
#define KW_SELECT 10501
#define KW_EXCLUDE 10502
#define KW_PAIR 10503
#define KW_KEY 10504
#define KW_SCOPE 10505
#define KW_SHIFT 10506
```
#define KW_REKEY 10507
#define KW_ADD_PREFIX 10508
#define KW_REPLACE_PREFIX 10509
#define KW_ON_ERROR 10510
#define KW_RETRIES 10511
#define KW_CONDITION 10513
#define KW_SET_TAG 10514
#define KW_CLEAR_TAG 10515
#define KW_GROUP_SET 10516

/* Value type. */

/* Location type. */
#if ! defined YYLTYPE && ! defined YYLTYPE_IS_DECLARED
typedef struct YYLTYPE YYLTYPE;
struct YYLTYPE
{
    int first_line;
    int first_column;
    int last_line;
    int last_column;
};
#define YYLTYPE_IS_DECLARED 1
#define YYLTYPE_IS_TRIVIAL 1
#endif

int rewrite_expr_parse (CfgLexer *lexer, LogExprNode **result, gpointer arg);

#endif /* !YY_REWRITE_EXPR_LIB_REWRITE_REWRITE_EXPR_GRAMMAR_H_INCLUDED */

/* Copy the second part of user declarations. */

#line 444 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:358 */
#line 31 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:359 */

#include "rewrite/rewrite-expr-grammar.h"
#include "rewrite/rewrite-set-tag.h"
#include "rewrite/rewrite-set.h"
#include "rewrite/rewrite-subst.h"
#include "rewrite/rewrite-groupset.h"
#include "filter/filter-expr.h"
#include "filter/filter-expr-parser.h"
#include "cfg-grammar.h"
#include "syslog-names.h"
```c
#include "plugin.h"

#include <string.h>

LogRewrite *last_rewrite;

#define YYLLOC_DEFAULT(Current, Rhs, N) do { 
  if (N) {
    (Current).level = YYRHSLOC(Rhs, 1).level; 
    (Current).first_line = YYRHSLOC (Rhs, 1).first_line; 
    (Current).first_column = YYRHSLOC (Rhs, 1).first_column; 
    (Current).last_line = YYRHSLOC (Rhs, N).last_line; 
    (Current).last_column = YYRHSLOC (Rhs, N).last_column; 
  } 
  else {
    (Current).level = YYRHSLOC(Rhs, 0).level; 
    (Current).first_line = (Current).last_line = YYRHSLOC (Rhs, 0).last_line; 
    (Current).first_column = (Current).last_column = YYRHSLOC (Rhs, 0).last_column; 
  } 
} while (0)

#define CHECK_ERROR(val, token) do { 
  if (!val) {
    YYERROR;
  } 
} while (0)

#define CHECK_ERROR(val, token, errorfmt, ...) do { 
  if (!val) {
    if (errorfmt) {
      gchar __buf[256];
      g_snprintf(__buf, sizeof(__buf), errorfmt, ## __VA_ARGS__);
      yyerror(& (token), lexer, NULL, NULL, __buf);
    }
    YYERROR;
  }
} while (0)
```
```c
#define CHECK_ERROR_GERROR(val, token, error, errorfmt, ...) do {     
  if (!(val))                                                    
    {                                                             
      if (errorfmt)                                               
        {                                                       
          gchar __buf[256];                                       
          g_snprintf(__buf, sizeof(__buf), errorfmt, ## __VA_ARGS__, error->message); 
          yyerror(& (token), lexer, NULL, NULL, __buf);  
        }                                                             
        g_clear_error(&error);\            
        YYERROR;                                         
    }                                                             
} while (0)

#define YYMAXDEPTH 20000

#line 525 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:359 */

#ifndef short
# undef short
#endif
#ifndef YYTYPE_UINT8
typedef YYTYPE_UINT8 yytype_uint8;
#else
typedef unsigned char yytype_uint8;
#endif
#ifndef YYTYPE_INT8
typedef YYTYPE_INT8 yytype_int8;
#else
typedef signed char yytype_int8;
#endif
#ifndef YYTYPE_UINT16
typedef YYTYPE_UINT16 yytype_uint16;
#else
typedef unsigned short int yytype_uint16;
#endif
#ifndef YYTYPE_INT16
typedef YYTYPE_INT16 yytype_int16;
#else
typedef short int yytype_int16;
#endif
```
#ifndef YYSIZE_T
# ifdef __SIZE_TYPE__
#  define YYSIZE_T __SIZE_TYPE__
# elif defined size_t
#  define YYSIZE_T size_t
# elif ! defined YYSIZE_T
#  include <stddef.h> /* INFRINGES ON USER NAME SPACE */
#  define YYSIZE_T size_t
# else
#  define YYSIZE_T unsigned int
# endif
#endif

#define YYSIZE_MAXIMUM ((YYSIZE_T) -1)

#if defined YY_
# if defined YYENABLE_NLS && YYENABLE_NLS
# if ENABLE_NLS
#   include <libintl.h> /* INFRINGES ON USER NAME SPACE */
#   define YY_(msgid) dgettext ("bison-runtime", Msgid)
# endif
# endif
#endif

#if !defined _Noreturn
&& (!defined __STDC_VERSION__ || __STDC_VERSION__ < 201112)
/* Supress unused-variable warnings by "using" E. */
# if ! defined lint || defined __GNUC__
# define YYUSE(E) ((void) (E))
#else
# define YYUSE(E) /* empty */
#endif

#if defined __GNUC__ && 407 <= __GNUC__ * 100 + __GNUC_MINOR__
/* Supress an incorrect diagnostic about yylval being uninitialized. */
# define YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
    _Pragma ("GCC diagnostic push")
    _Pragma ("GCC diagnostic ignored "-Wuninitialized"")
    _Pragma ("GCC diagnostic ignored "-Wmaybe-uninitialized"")
# define YY_IGNORE_MAYBE_UNINITIALIZED_END
    _Pragma ("GCC diagnostic pop")
#else
    # define YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
    # define YY_IGNORE_MAYBE_UNINITIALIZED_END
    # define YY_INITIAL_VALUE
#endif

#if ! defined yyoverflow || YYERROR_VERBOSE
/* The parser invokes alloca or malloc; define the necessary symbols. */

# ifdef YYSTACK_USE_ALLOCA
# if YYSTACK_USE_ALLOCA
# ifdef __GNUC__
# define YYSTACK_ALLOC __builtin_alloc
# elif defined __BUILTIN_VA_ARG_INCR
#include <alloca.h> /* INFRINGES ON USER NAME SPACE */
# elif defined _AIX
# define YYSTACK_ALLOC __alloca
# elif defined _MSC_VER
# include <malloc.h> /* INFRINGES ON USER NAME SPACE */
# endif
#endif
#endif

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# define alloca _alloca
# else
# define YYSTACK_ALLOC alloca
# if ! defined __ALLOCA_H && ! defined EXIT_SUCCESS
# include <stdlib.h> /* INFRINGES ON USER NAME SPACE */
   /* Use EXIT_SUCCESS as a witness for stdlib.h. */
# ifndef EXIT_SUCCESS
#  define EXIT_SUCCESS 0
# endif
# endif
# endif

# ifdef YYSTACK_ALLOC
   /* Pacify GCC's 'empty if-body' warning. */
#  define YYSTACK_FREE(Ptr) do { /* empty */; } while (0)
#  ifndef YYSTACK_ALLOC_MAXIMUM
   /* The OS might guarantee only one guard page at the bottom of the stack,
    and a page size can be as small as 4096 bytes. So we cannot safely
    invoke alloca (N) if N exceeds 4096. Use a slightly smaller number
    to allow for a few compiler-allocated temporary stack slots. */
#   define YYSTACK_ALLOC_MAXIMUM 4032 /* reasonable circa 2006 */
#  endif
# else
#  define YYSTACK_ALLOC YYMALLOC
#  define YYSTACK_FREE YYFREE
#  ifndef YYSTACK_ALLOC_MAXIMUM
#   define YYSTACK_ALLOC_MAXIMUM YYSIZE_MAXIMUM
#  endif
#  if (defined __cplusplus && ! defined EXIT_SUCCESS
    && ! ((defined YYMALLOC || defined malloc) 
    && (defined YYFREE || defined free)))
#   include <stdlib.h> /* INFRINGES ON USER NAME SPACE */
#  ifndef EXIT_SUCCESS
#   define EXIT_SUCCESS 0
#  endif
#  ifndef YYMALLOC
#   define YYMALLOC malloc
#   if ! defined malloc && ! defined EXIT_SUCCESS
void *malloc (YYSIZE_T); /* INFRINGES ON USER NAME SPACE */
#  endif
#  ifndef YYFREE
#   define YYFREE free
#   if ! defined free && ! defined EXIT_SUCCESS
void free (void *); /* INFRINGES ON USER NAME SPACE */
#  endif
# endif
# ifndef YYMALLOC
#  define YYMALLOC malloc
# endif
# ifndef YYFREE
#  define YYFREE free
# endif
# endif
# endif
# endif
#endif /* ! defined yyoverflow || YYERROR_VERBOSE */

#if (! defined yyoverflow 
    && (! defined __cplusplus 
    || (defined YYLTYPE_IS_TRIVIAL && YYLTYPE_IS_TRIVIAL 
    && defined YYSTYPE_IS_TRIVIAL && YYSTYPE_IS_TRIVIAL)))

/* A type that is properly aligned for any stack member. */
union yyalloc
{
    yytype_int16 yyss_alloc;
    YYSTYPE yyvs_alloc;
    YYLTYPE yyls_alloc;
};

/* The size of the maximum gap between one aligned stack and the next. */
#define YYSTACK_GAP_MAXIMUM (sizeof (union yyalloc) - 1)

/* The size of an array large enough to hold all stacks, each with 
N elements. */
#define YYSTACK_BYTES(N)  
    ((N) * (sizeof (yytype_int16) + sizeof (YYSTYPE) + sizeof (YYLTYPE)) 
    + 2 * YYSTACK_GAP_MAXIMUM)

#define YYCOPY_NEEDED 1

/* Relocate STACK from its old location to the new one. The 
local variables YYSIZE and YystackSIZE give the old and new number of 
elements in the stack, and YYPTR gives the new location of the 
stack. Advance YYPTR to a properly aligned location for the next 
stack. */
#define YYSTACK_RELOCATE(Stack_alloc, Stack) 
    do 
    { 
    YYSIZE_T yynewbytes;  
    YYCOPY (&yyptr->Stack_alloc, Stack, yysize);  
    Stack = &yyptr->Stack_alloc;  
    yynewbytes = yystacksize * sizeof (*Stack) + YYSTACK_GAP_MAXIMUM;  
    yyptr += yynewbytes / sizeof (*yyptr);  
    } while (0)

#endif
/* Copy COUNT objects from SRC to DST. The source and destination do not overlap. */
#if defined YYCOPY_NEEDED && YYCOPY_NEEDED
#else
  ifndef YYCOPY
    ifdef __GNUC__ && 1 < __GNUC__
      define YYCOPY(Dst, Src, Count)
        __builtin_memcp (Dst, Src, (Count) * sizeof (*(Src))
      end
    else
      define YYCOPY(Dst, Src, Count) do
        YYSIZE_T yyi;
        for (yyi = 0; yyi < (Count); yyi++)
          (Dst)[yyi] = (Src)[yyi];
      end
    endif
  endif
#endif
/* YYFINAL -- State number of the termination state. */
#define YYFINAL  18
/* YYLAST -- Last index in YYTABLE. */
#define YYLAST   205
/* YYNTOKENS -- Number of terminals. */
#define YYNTOKENS 159
/* YYNNTS -- Number of nonterminals. */
#define YYNNTS  57
/* YYNRULES -- Number of rules. */
#define YYNRULES 110
/* YYNSTATES -- Number of states. */
#define YYNSTATES 232
/* YYTRANSLATE[YYX] -- Symbol number corresponding to YYX as returned by yylex, with out-of-bounds checking. */
#define YYUUNDEFTOK  2
#define YYMAXUTOK  10516
#define YYTRANSLATE(YYX) ((unsigned int) (YYX) <= YYMAXUTOK ? yytranslate[YYX] : YYUUNDEFTOK)
/* YYTRANSLATE[TOKEN-NUM] -- Symbol number corresponding to TOKEN-NUM as returned by yylex, without out-of-bounds checking. */
static const yytype_uint8 yytranslate[] = {
  0,  3,  4,  5,  6,  7,  8,  9, 10, 11,
  12, 13, 14, 15, 16, 17, 18, 19, 20,  2,
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#if YYDEBUG
/* YYRLINE[YYN] -- Source line where rule number YYN was defined. */
static const yytype_uint16 yyrline[] =
{
65, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
66, 67, 68, 2, 2, 2, 2, 2, 2, 2, 2,
69, 70, 2, 2, 2, 2, 2, 2, 2, 2, 2,
71, 72, 73, 2, 2, 2, 2, 2, 2, 2, 2,
74, 75, 2, 2, 2, 2, 2, 2, 2, 2, 2,
76, 77, 78, 2, 2, 2, 2, 2, 2, 2, 2,
79, 2, 80, 81, 82, 83, 84, 2, 2, 2,
85, 86, 2, 2, 2, 2, 2, 2, 2, 2, 2,
87, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
88, 89, 90, 91, 92, 93, 2, 2, 2, 2,
94, 95, 96, 2, 2, 2, 2, 2, 2, 2, 2,
97, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
98, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
99, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
100, 101, 102, 2, 2, 2, 2, 2, 2, 2, 2,
103, 104, 105, 2, 2, 2, 2, 2, 2, 2, 2,
106, 107, 2, 2, 2, 2, 2, 2, 2, 2, 2,
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
2, 108, 109, 2, 2, 2, 2, 2, 2, 2, 2, 2,
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
110, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
111, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
112, 113, 114, 115, 116, 117, 118, 2, 2, 2,
2, 119, 2, 2, 2, 2, 2, 2, 2, 2, 2,
120, 121, 122, 2, 2, 2, 2, 2, 2, 2, 2,
123, 124, 2, 2, 2, 2, 2, 2, 2, 2, 2,
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
125, 126, 2, 2, 2, 2, 2, 2, 2, 2, 2,
127, 128, 129, 130, 131, 132, 133, 134, 135, 136,
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
137, 138, 139, 140, 141, 142, 143, 144, 145, 146,
147, 148, 2, 149, 150, 151, 152
};
#endif

/* YYLINE[YYN] -- Source line where rule number YYN was defined. */
static const yytype_uint16 yyline[] =
#ifndef YYDEBUG || YYERROR_VERBOSE || 1
*/ YYTNAME[SYMBOL-NUM] -- String name of the symbol SYMBOL-NUM.
First, the terminals, then, starting at YYNTOKENS, nonterminals.*/
static const char *const yytname[] = {
"Send", "error", "$undefined", "LL_CONTEXT_ROOT",
"LL_CONTEXT_DESTINATION", "LL_CONTEXT_SOURCE", "LL_CONTEXT_PARSER",
"LL_CONTEXT_REWRITE", "LL_CONTEXT_FILTER", "LL_CONTEXT_LOG",
"LL_CONTEXT_BLOCK_DEF", "LL_CONTEXT_BLOCK_REF",
"LL_CONTEXT_BLOCK_CONTENT", "LL_CONTEXT_BLOCK_ARG", "LL_CONTEXTPragma",
"LL_CONTEXT_FORMAT", "LL_CONTEXT_TEMPLATE_FUNC", "LL_CONTEXT_INNER_DEST",
"LL_CONTEXT_INNER_SRC", "LL_CONTEXT_CLIENT_PROTO",
"LL_CONTEXT_SERVER_PROTO", "KW_SOURCE", "KW_FILTER", "KW_PARSER",
"KW_DESTINATION", "KW_LOG", "KW_OPTIONS", "KW_INCLUDE", "KW_BLOCK",
"KW_JUNCTION", "KW_CHANNEL", "KW_INTERNAL", "KW_FILE", "KW_SQL",
"KW_TYPE", "KW_COLUMNS", "KW_INDEXES", "KW_VALUES", "KW_PASSWORD",
"KW_DATABASE", "KW_USERNAME", "KW_TABLE", "KW_ENCODING",
"KW_SESSION_STATEMENTS", "KW_DELIMITERS", "KW_QUOTES", "KW_QUOTE_PAIRS",
"KW_NULL", "KW_SYSLOG", "KW_MARK_FREQ", "KW_STATS_FREQ",
"KW_STATS_LEVEL", "KW_STATS_LIFETIME", "KW_FLUSH_LINES", "KW_SUPPRESS",
"KW_FLUSH_TIMEOUT", "KW_LOG_MSG_SIZE", "KW_FILE_TEMPLATE",
"KW_PROTO_TEMPLATE", "KW_MARK_MODE", "KW_CHAIN_HOSTNAMES",
"KW_NORMALIZE_HOSTNAMES", "KW_KEEP_HOSTNAME", "KW_CHECK_HOSTNAME",
"KW_BAD_HOSTNAME", "KW_KEEP_TIMESTAMP", "KW_USE_DNS", "KW_USE_FQDN",
"KW_CUSTOM_DOMAIN", "KW_DNS_CACHE", "KW_DNS_CACHE_SIZE",
"KW_DNS_CACHE_EXPIRE", "KW_DNS_CACHE_EXPIRE_FAILED",
"KW_DNS_CACHE_HOSTS", "KW_PERSIST_ONLY", "KW_USE_RCPTID",
"KW_TZ_CONVERT", "KW_TS_FORMAT", "KW_FRAC_DIGITS", "KW_LOG_FIFO_SIZE",
"KW_LOG_FETCH_LIMIT", "KW_LOG_IW_SIZE", "KW_LOG_PREFIX",
"KW_PROGRAM_OVERRIDE", "KW_HOST_OVERRIDE", "KW_THROTTLE", "KW_THREADED",
"KW_FLAGS", "KW_PAD_SIZE", "KW_TIME_ZONE", "KW_RECV_TIME_ZONE",
"KW_SEND_TIME_ZONE", "KW_LOCAL_TIME_ZONE", "KW_FORMAT", "KW_TIME_REOPEN",
"KW_TIME_REAP", "KW_TIME_SLEEP", "KW_TMPL_ESCAPE", "KW_OPTIONAL",};
#endif

# ifdef YYYDEBUG || YYERROR_VERBOSE || 1

/* YYTNAME[SYMBOL-NUM] -- String name of the symbol SYMBOL-NUM.
First, the terminals, then, starting at YYNTOKENS, nonterminals. */
static const char *const yytname[] = {
"Send", "error", "$undefined", "LL_CONTEXT_ROOT",
"LL_CONTEXT_DESTINATION", "LL_CONTEXT_SOURCE", "LL_CONTEXT_PARSER",
"LL_CONTEXT_REWRITE", "LL_CONTEXT_FILTER", "LL_CONTEXT_LOG",
"LL_CONTEXT_BLOCK_DEF", "LL_CONTEXT_BLOCK_REF",
"LL_CONTEXT_BLOCK_CONTENT", "LL_CONTEXT_BLOCK_ARG", "LL_CONTEXTPragma",
"LL_CONTEXT_FORMAT", "LL_CONTEXT_TEMPLATE_FUNC", "LL_CONTEXT_INNER_DEST",
"LL_CONTEXT_INNER_SRC", "LL_CONTEXT_CLIENT_PROTO",
"LL_CONTEXT_SERVER_PROTO", "KW_SOURCE", "KW_FILTER", "KW_PARSER",
"KW_DESTINATION", "KW_LOG", "KW_OPTIONS", "KW_INCLUDE", "KW_BLOCK",
"KW_JUNCTION", "KW_CHANNEL", "KW_INTERNAL", "KW_FILE", "KW_SQL",
"KW_TYPE", "KW_COLUMNS", "KW_INDEXES", "KW_VALUES", "KW_PASSWORD",
"KW_DATABASE", "KW_USERNAME", "KW_TABLE", "KW_ENCODING",
"KW_SESSION_STATEMENTS", "KW_DELIMITERS", "KW_QUOTES", "KW_QUOTE_PAIRS",
"KW_NULL", "KW_SYSLOG", "KW_MARK_FREQ", "KW_STATS_FREQ",
"KW_STATS_LEVEL", "KW_STATS_LIFETIME", "KW_FLUSH_LINES", "KW_SUPPRESS",
"KW_FLUSH_TIMEOUT", "KW_LOG_MSG_SIZE", "KW_FILE_TEMPLATE",
"KW_PROTO_TEMPLATE", "KW_MARK_MODE", "KW_CHAIN_HOSTNAMES",
"KW_NORMALIZE_HOSTNAMES", "KW_KEEP_HOSTNAME", "KW_CHECK_HOSTNAME",
"KW_BAD_HOSTNAME", "KW_KEEP_TIMESTAMP", "KW_USE_DNS", "KW_USE_FQDN",
"KW_CUSTOM_DOMAIN", "KW_DNS_CACHE", "KW_DNS_CACHE_SIZE",
"KW_DNS_CACHE_EXPIRE", "KW_DNS_CACHE_EXPIRE_FAILED",
"KW_DNS_CACHE_HOSTS", "KW_PERSIST_ONLY", "KW_USE_RCPTID",
"KW_TZ_CONVERT", "KW_TS_FORMAT", "KW_FRAC_DIGITS", "KW_LOG_FIFO_SIZE",
"KW_LOG_FETCH_LIMIT", "KW_LOG_IW_SIZE", "KW_LOG_PREFIX",
"KW_PROGRAM_OVERRIDE", "KW_HOST_OVERRIDE", "KW_THROTTLE", "KW_THREADED",
"KW_FLAGS", "KW_PAD_SIZE", "KW_TIME_ZONE", "KW_RECV_TIME_ZONE",
"KW_SEND_TIME_ZONE", "KW_LOCAL_TIME_ZONE", "KW_FORMAT", "KW_TIME_REOPEN",
"KW_TIME_REAP", "KW_TIME_SLEEP", "KW_TMPL_ESCAPE", "KW_OPTIONAL",};
#endif
"KW_CREATE_DIRS", "KW_OWNER", "KW_GROUP", "KW_PERM", "KW_DIR_OWNER", 
"KW_DIR_GROUP", "KW_DIR_PERM", "KW_TEMPLATE", "KW_TEMPLATE_ESCAPE", 
"KW_DEFAULT_FACILITY", "KW_DEFAULT_LEVEL", "KW_PORT", 
"KW_USE_TIME_RECV", "KW_FACILITY", "KW_LEVEL", "KW_HOST", "KW_MATCH", 
"KW_MESSAGE", "KW_NETMASK", "KW_TAGS", "KW_VALUE", "KW_REWRITE", 
"KW_SET", "KW_SUBST", "KW_YES", "KW_NO", "KWIFDEF", "KW_ENDIF", 
"LL_DOTDOT", "LL_IDENTIFIER", "LL_NUMBER", "LL_FLOAT", "LL_STRING", 
"LL_TOKEN", "LL_BLOCK", "LL_PRAGMA", "LL_EOL", "LL_ERROR", 
"KW_VALUE_PAIRS", "KW_SELECT", "KW_EXCLUDE", "KW_PAIR", "KW_KEY", 
"KW_SCOPE", "KW_SHIFT", "KW_REKEY", "KW_ADD_PREFIX", "KW_REPLACE_PREFIX", 
"KW_ON_ERROR", "KW_RETRIES", "KW_CONDITION", "KW_SET_TAG", 
"KW_CLEAR_TAG", "KW_GROUP_SET", "("", ")", "{"", "}", ";", ":", 
"$accept", "start", "rewrite_expr_list", "rewrite_template_content", 
"rewrite_expr", "$@1", "$@2", "$@3", "rewrite_groupset_opts", 
"rewrite_groupset_opt", "rewrite_subst_opts", "rewrite_subst_opt", "$@4", 
"rewrite_expr_opts", "rewrite_expr_opt", "rewrite_condition_opt", "$@5", 
"source_content", "$@6", "$@7", "source_items", "source_item", 
"source_plugin", "source_afinter", "source_afinter_params", "$@8", 
"source_afinter_options", "source_afinter_option", "filter_content", 
"parser_content", "rewrite_content", "dest_content", "$@9", "$@10", 
"dest_items", "dest_item", "dest_plugin", "log_items", "log_item", 
"log_junction", "log_last_junction", "log_forks", "log_fork", 
"log_content", "log_flags", "log_flags_items", "string", "yesno", 
"dnsmode", "string_list", "string_list_build", "semicolon", 
"source_option", "$@12", "host_resolve_option", "matcher_option", 
"matcher_flags", YY_NULLPTR
};
#endif

#if YYPRINT
/* YYTOKNUM[NUM] -- (External) token number corresponding to the 
(internat) symbol number NUM (which must be that of a token). */
static const yytype_uint16 yytoknum[] =
{
  0, 256, 10512, 1, 2, 3, 4, 5, 6, 7,
  8, 9, 10, 11, 12, 13, 14, 15, 16, 17,
  18, 10000, 10001, 10002, 10003, 10004, 10005, 10006, 10007, 10008,
  10009, 10010, 10011, 10030, 10031, 10032, 10033, 10034, 10035, 10036,
  10037, 10038, 10039, 10040, 10050, 10051, 10052, 10053, 10060, 10071,
  10072, 10073, 10074, 10075, 10076, 10077, 10078, 10079, 10080, 10081,
  10090, 10091, 10092, 10093, 10094, 10100, 10110, 10111, 10112, 10120,
  10121, 10130, 10131, 10132, 10140, 10141, 10150, 10151, 10152, 10160,
  10162, 10163, 10164, 10165, 10166, 10170, 10171, 10190, 10200, 10201,
  10202, 10203, 10204, 10205, 10210, 10211, 10212, 10220, 10230, 10240,
  10250, 10251, 10252, 10260, 10261, 10262, 10270, 10271, 10300, 10301,
  10323, 10340, 10350, 10351, 10352, 10353, 10354, 10355, 10356, 10361,
  10370, 10371, 10372, 10380, 10381, 10410, 10411, 10420, 10421, 10422,
  10423, 10424, 10425, 10426, 10427, 10428, 10429, 10500, 10501, 10502,
# endif

#define YYPACT_NINF -106

#define yynpact_value_is_default(Yystate) 
(!!(Yystate) == (-106))

#define YYTABLE_NINF -45

#define yytable_value_is_error(Yytable_value) 
0

/* YYPACT[STATE-NUM] -- Index in YYTABLE of the portion describing 
 STATE-NUM. */

static const yytype_int8 yynpact[] =
{
  -15,  -87,   -73,   -65,  -106,   -59,   -58,   -57,     97,    17,
   -54,  -54,    17,    -75,    -75,   -75,   -75,   -106,   -55,
   -51,  -106,   -54,   -54,   -15,   -15,   -47,   -106,   -106,
  -106,   -106,   -75,   -49,   -44,   -106,    -6,    -6,   17,   -106,
  -106,   -106,   -75,   -49,   -44,   -106,    -6,    -6,   17,   -106,
   -70,  -69,    17,   -54,   -106,   -35,   -32,   -106,   -52,
  -41,   -29,  -97,   -106,   -82,   -31,   -25,   -34,   -106,   -75,
  -106,   -75,  -106,   -75,  -106,   -75,  -106,   -75,  -106,    12,
  -6,   -106,   -75,  -106,   -106,   -106,   -21,   -82,   -22,
  -106,  -75,   -106,  -106,   -16,   -30,   -20,   -11,   -10,   -9,
  -8,   -5,   -3,   -17,    -2,   -1,   -12,  -106,   -106,    0,
   2,  -106,  -106,   4,   5,   -106,   -75,    6,   -106,   -106,
  -106,    8,  -106,  -106,   -54,   -106,   -106,   -54,   -106,   -106,
  -20,   -20,  -106,   -17,   -17,    9,   -75,    10,   -75,    11,
  -106,  -106,   15,   18,   19,   21,   26,   27,   28,   29,
  -106,  -56,  -106,   -26,  -106,   -85,   -85,   -85,    22,   -75,
  -75,   -75,  -106,   30,   31,   32,   33,  -106,   -106,
  -106,  -106,   34,   35,   36,   37,   38,   39,   40,   41,
  -106,  -106,   42,  -106,  -106,   43,   44,   45,  -106,  -106,
  -106,  -106
};

/* YYDEFACT[STATE-NUM] -- Default reduction number in state STATE-NUM. 
   Performed when YYTABLE does not specify something else to do. Zero 
   means the default is an error. */
static const yytype_uint8 yydefact[] =
{
  5, 0, 0, 0, 15, 0, 0, 0, 0, 73,
  0, 0, 73, 0, 0, 0, 0, 0, 1, 0,
  0, 2, 71, 0, 91, 5, 5, 0, 81, 82,
  9, 6, 0, 0, 0, 13, 58, 58, 73, 92,
  3, 4, 70, 26, 7, 11, 12, 17, 0, 0,
  0, 0, 0, 73, 0, 69, 0, 0, 72, 0,
  0, 0, 26, 28, 22, 0, 0, 17, 19, 0,
  31, 0, 46, 0, 47, 0, 49, 0, 48, 78,
  58, 74, 75, 0, 29, 10, 25, 0, 22, 0,
  24, 90, 14, 16, 0, 0, 36, 0, 0, 0,
  0, 0, 0, 54, 0, 0, 0, 76, 57, 0,
  0, 8, 20, 0, 0, 23, 90, 0, 88, 59,
  60, 0, 39, 32, 0, 38, 37, 0, 61, 62,
  63, 64, 67, 68, 56, 50, 0, 55, 0, 65,
  66, 80, 27, 30, 0, 110, 89, 18, 41, 33,
  36, 36, 51, 54, 54, 0, 80, 0, 110, 0,
  0, 101, 34, 35, 52, 53, 0, 79, 107, 109,
  108, 40, 0, 0, 0, 0, 0, 0, 0, 0,
  42, 101, 45, 0, 77, 0, 0, 0, 0, 0,
  0, 0, 90, 43, 0, 0, 0, 102, 83,
  84, 85, 0, 0, 0, 0, 0, 0, 0, 0,
  0, 0, 0, 94, 95, 99, 93, 98, 96,
  97, 100, 0, 87, 86, 0, 0, 0, 106, 104,
  103, 105
};

/* YYGOTO[TERM-NUM]. */
static const yytype_int8 yygoto[] =
{
  -106, -106,  49,  16, -106, -106, -106, -106,  61, -106,
  51, -106, -106,  78, -28, -13, -106, -106, -106,
  106,  20, -72, 113, -106,  14, -14, -94, -106, -23,
  50,  -4, -106, -106, -106, -106,  47
};

/* YYDEFGOTO[TERM-NUM]. */
static const yytype_int16 yydefgoto[] =
{
  -1,  8,  9, 30, 10, 64, 43, 47, 66, 67,
  87, 88, 89, 61, 62, 63, 110, 95, 96, 149,
 123, 124, 125, 126, 160, 161, 180, 181, 98, 100,
 105, 102, 103, 152, 135, 136, 137, 53, 54, 11,
 21,  22,  23,  56, 107, 155,  31, 202, 225, 117,
 118, 25, 182, 183, 198, 115, 159
static const yytype_int16 yytable[] =
{
    32, 33, 34, 65, 172, 19, 173, 26, 19, 174,
    20, 121, 113, 20, 1, 48, 49, 50, 51, 38,
    39, 223, 59, 1, 127, 175, 176, 177, 178, 55,
    55, 138, 27, 35, 68, 194, 90, 59, 199, 200,
    195, 196, 19, 197, 201, 162, 163, 20, 44, 69,
    80, 70, 60, 28, 68, 94, 29, 97, 58, 99,
    90, 101, 179, 104, 71, 114, 72, 60, 12, 109,
    199, 200, -21, 55, 40, 41, 201, 116, 127, 127,
    13, 138, 73, 75, 74, 76, 77, 14, 78,
    164, 165, 203, 204, 15, 16, 17, 18, -44, 106,
    36, 83, 116, 24, 37, 45, 2, 3, 122, 42,
    46, 134, 84, 4, 52, 60, 222, 224, 226, 227,
    150, 81, 91, 151, 82, 85, 120, 156, 93, 92,
    157, 158, 153, 111, 154, 5, 6, 7, 119, 112,
    86, 141, 156, 128, 158, 130, 129, 108, 131, 132,
    57, 205, 139, 133, 142, 140, 143, 144, 145, 79,
    147, 148, 184, 166, 168, 170, 146, 171, 185, 209,
    167, 186, 187, 0, 188, 206, 207, 208, 116, 189,
    190, 191, 192, 210, 211, 212, 213, 0, 214, 215,
    216, 217, 218, 219, 220, 221, 228, 229, 230, 231,
    0, 0, 0, 0, 193, 169,
};

static const yytype_int16 yycheck[] =
{
    14, 15, 16, 37, 60, 25, 62, 11, 25, 65,
    30, 31, 34, 30, 29, 21, 22, 23, 24, 23,
    24, 74, 119, 29, 96, 81, 82, 83, 84, 36,
    37, 103, 12, 17, 47, 61, 64, 119, 123, 124,
    66, 67, 25, 69, 129, 150, 151, 30, 32, 153,
    54, 155, 149, 128, 67, 69, 131, 71, 38, 73,
    88, 75, 118, 77, 153, 87, 155, 149, 155, 83,
    123, 124, 154, 80, 25, 26, 129, 91, 150, 151,
    153, 153, 154, 153, 153, 155, 155, 153, 153, 155,
    153, 154, 186, 187, 153, 153, 153, 0, 154, 87,
    155, 153, 116, 157, 155, 154, 121, 122, 128, 156,
    154, 128, 153, 128, 120, 149, 210, 211, 212, 213,
    124, 156, 153, 127, 156, 154, 156, 141, 67, 154,
    144, 145, 136, 154, 138, 150, 151, 152, 154, 88,
    62, 153, 156, 154, 158, 154, 156, 80, 156, 154,
    37, 129, 154, 156, 154, 156, 154, 153, 153, 53,
154, 153, 166, 154, 154, 154, 116, 154, 153, 192,
156, 153, 153, -1, 153, 189, 190, 191, 192, 153,
153, 153, 153, 153, 153, 153, -1, 154, 154,
154, 154, 154, 154, 154, 154, 154, 154, 154, 154,
-1, -1, -1, -1, 181, 158
};

/* YYSTOS[STATE-NUM] -- The (internal number of the) accessing
 symbol of state STATE-NUM. */
static const yytype_uint8 yystos[] =
{
  0, 29, 121, 122, 128, 150, 151, 152, 160, 161,
  163, 198, 155, 153, 153, 153, 153, 153, 0, 25,
  30, 199, 200, 201, 157, 210, 210, 200, 128, 131,
  162, 205, 205, 205, 162, 155, 155, 210, 210,
  161, 161, 156, 165, 162, 154, 154, 166, 21, 22,
  23, 24, 120, 196, 197, 198, 202, 202, 200, 119,
  149, 172, 173, 174, 164, 37, 167, 168, 174, 153,
  155, 153, 155, 153, 153, 153, 153, 153, 157, 199,
  210, 156, 156, 153, 153, 154, 172, 169, 170, 171,
  173, 153, 154, 167, 205, 176, 177, 205, 187, 205,
  188, 205, 190, 191, 205, 189, 87, 203, 196, 205,
  175, 154, 169, 34, 87, 214, 205, 208, 209, 154,
  156, 31, 128, 179, 180, 181, 182, 201, 154, 156,
  154, 156, 154, 156, 128, 193, 194, 195, 201, 154,
  156, 153, 154, 153, 153, 209, 154, 153, 178,
  210, 210, 192, 210, 210, 204, 205, 205, 205, 215,
  183, 184, 179, 179, 193, 193, 154, 204, 154, 215,
  154, 154, 60, 62, 65, 81, 82, 83, 84, 118,
  185, 186, 211, 212, 210, 153, 153, 153, 153, 153,
  153, 153, 185, 61, 66, 67, 69, 213, 123,
  124, 129, 206, 206, 206, 129, 205, 205, 205, 208,
  153, 153, 153, 154, 154, 154, 154, 154, 154,
  154, 154, 74, 206, 207, 206, 206, 154, 154,
  154, 154
};

/* YYR1[YYN] -- Symbol number of symbol that rule YYN derives. */
static const yytype_uint8 yyr1[] =
{
  0, 159, 160, 161, 161, 161, 162, 164, 163, 165,
  163, 163, 166, 163, 163, 167, 167, 168, 168,
  169, 169, 171, 170, 170, 172, 172, 173, 173, 175,
  174, 177, 178, 176, 179, 179, 179, 180, 180, 181,
  182, 184, 183, 185, 185, 186, 187, 188, 189, 191,
  192, 190, 193, 193, 193, 194, 195, 196, 196, 197,
  197, 197, 197, 197, 197, 197, 197, 197, 197,
  198, 199, 200, 200, 201, 201, 202, 203, 203, 204,
/* YYR2[YYN] -- Number of symbols on the right hand side of rule YYN. */
static const yytype_uint8 yyr2[] = {
  0, 2, 2, 3, 3, 0, 1, 0, 7, 0,
  6, 4, 4, 0, 6, 1, 2, 0, 4, 1,
  2, 0, 0, 2, 1, 2, 0, 4, 1, 0,
  4, 0, 0, 3, 3, 3, 0, 1, 1, 1,
  4, 0, 2, 2, 0, 1, 0, 0, 0, 0,
  0, 3, 3, 3, 0, 1, 1, 3, 0, 4,
  4, 4, 4, 4, 4, 4, 4, 4, 4, 1,
  4, 1, 3, 0, 4, 4, 3, 5, 0, 2,
  0, 1, 1, 1, 1, 1, 1, 1, 2,
  0, 1, 2, 4, 4, 4, 4, 4, 4, 2,
  4, 0, 2, 4, 4, 4, 4, 4, 2, 0
};

#define yyerok (yyerrstatus = 0)
#define yyclearin (yychar = YYEMPTY)
#define YYEMPTY (-2)
#define YYEOF 0
#define YYACCEPT goto yyacceptlab
#define YYABORT goto yyabortlab
#define YYERROR goto yyerrorlab

#define YYRECOVERING() (!yyerrstatus)
#define YYBACKUP(Token, Value)
   do
      if (yychar == YYEMPTY)
         {
            yychar = (Token);
            yylval = (Value);
            YYPOPSTACK (yylen);
            yynposstack = *yyssp;
            goto yybackup;
         }
   else
      {

yyerror (&yylloc, lexer, result, arg, YY_("syntax error: cannot back up"); \ 
YYERROR; \ 
} \ 
while (0)

/* Error token number */
#define YYTERROR        1
#define YYERRCODE       256

/* YYLLOC_DEFAULT -- Set CURRENT to span from RHS[1] to RHS[N].
 If N is 0, then set CURRENT to the empty location which ends
the previous symbol: RHS[0] (always defined). */
#ifndef YYLLOC_DEFAULT
#define YYLLOC_DEFAULT(Current, Rhs, N)                                
do                                                                  
if (N)                                                            
{                                                               
    (Current).first_line   = YYRHSLOC (Rhs, 1).first_line;        
    (Current).first_column = YYRHSLOC (Rhs, 1).first_column;      
    (Current).last_line    = YYRHSLOC (Rhs, N).last_line;         
    (Current).last_column  = YYRHSLOC (Rhs, N).last_column;       
}                                                               
else                                                              
{                                                               
    (Current).first_line   = (Current).last_line =              
    YYRHSLOC (Rhs, 0).last_line;                                
    (Current).first_column = (Current).last_column =              
    YYRHSLOC (Rhs, 0).last_column;                              
}                                                               
while (0)
#endif

#define YYRHSLOC(Rhs, K) ((Rhs)[K])

/* Enable debugging if requested. */
#if YYDEBUG

#ifndef YYFPRINTF
#define YYFPRINTF fprintf
#endif

#define YYDPRINTF(Args)                        
do {                                            
if (yydebug)                                  

/* INFRINGES ON USER NAME SPACE */
#define YYFPRINTF fprintf
#endif

#define YYDPRINTF(Args)                        
do {                                            
if (yydebug)                                  


/* YY_LOCATION_PRINT -- Print the location on the stream.  
This macro was not mandated originally: define only if we know 
we won't break user code: when these are the locations we know. */

#undef YY_LOCATION_PRINT  
#define YY_LOCATION_PRINT(File, Loc)          
    yy_location_print_ (File, &(Loc))

#endif
# define YY_SYMBOL_PRINT(Title, Type, Value, Location)
do {
\
if (yydebug)
\
{
\
YYFPRINTF (stderr, "%s ", Title);
\
yy_symbol_print (stderr,
\
Type, Value, Location, lexer, result, arg); \
YYFPRINTF (stderr, "\n");
\
}
\
} while (0)

\

/*----------------------------------------.
| Print this symbol's value on YYOUTPUT. |
'----------------------------------------*/
static void
yy_symbol_value_print (FILE *yyoutput, int yytype, YYSTYPE const * const yyvaluep, YYLTYPE const * const
yylocationp, CfgLexer *lexer, LogExprNode **result, gpointer arg)
{
FILE *yyo = yyoutput;
YYUSE (yyo);
YYUSE (yylocationp);
YYUSE (lexer);
YYUSE (result);
YYUSE (arg);
if (!yyvaluep)
return;
# ifdef YYPRINT
if (yytype < YYNTOKENS)
YYPRINT (yyoutput, yytoknum[yytype], *yyvaluep);
# endif
YYUSE (yytype);
}

/*--------------------------------.
| Print this symbol on YYOUTPUT. |
'--------------------------------*/
static void
yy_symbol_print (FILE *yyoutput, int yytype, YYSTYPE const * const yyvaluep, YYLTYPE const * const
yylocationp, CfgLexer *lexer, LogExprNode **result, gpointer arg)
{
YYFPRINTF (yyoutput, "%s %s (",
yytype < YYNTOKENS ? "token" : "nterm", yytname[yytype]);
YY_LOCATION_PRINT (yyoutput, *yylocationp);

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YYPRINTF (yyoutput, ": ");
yy_symbol_value_print (yyoutput, yytype, yyvaluep, yylcocationp, lexer, result, arg);
YYPRINTF (yyoutput, ")");
}

/*------------------------------------------------------------------
| yy_stack_print -- Print the state stack from its BOTTOM up to its |
| TOP (included).                                                   |
'------------------------------------------------------------------*/
static void
yy_stack_print (yytype_int16 *yybottom, yytype_int16 *yytop)
{
    YYPRINTF (stderr, "Stack now");
    for (; yybottom <= yytop; yybottom++)
    {
        int yybot = *yybottom;
        YYPRINTF (stderr, " %d", yybot);
    }
    YYPRINTF (stderr, 

#define YY_STACK_PRINT(Bottom, Top) do {
    if (yydebug) yy_stack_print ((Bottom), (Top));
}

/*------------------------------------------------.
| Report that the YYRULE is going to be reduced.  |
'------------------------------------------------*/
static void
yy_reduce_print (yytype_int16 *yyssp, YYSTYPE *yyvsp, YYLTYPE *yylsp, int yyrule, CfgLexer *lexer,
LogExprNode **result, gpointer arg)
{
    unsigned long int yylno = yyrline[yyrule];
    int yynrhs = yyr2[yyrule];
    int yyi;
    YYPRINTF (stderr, "Reducing stack by rule %d (line %lu):\n",
        yyrule - 1, yylno);
/* The symbols being reduced. */
    for (yyi = 0; yyi < yynrhs; yyi++)
    {
        YYPRINTF (stderr, " $%d = ", yyi + 1);
        yy_symbol_print (stderr,
            yystos[yyssp[yyi + 1 - yynrhs]].
&yysp[(yyi + 1) - (ynrhs)]
, &(yylspl[yyi + 1] - (ynrhs)) , lexer, result, arg);

YYPRINTF (stderr, "n");

{-# define YY_REDUCE_PRINT(Rule) do {
  if (yydebug) yy_reduce_print (yyssp, yyvsp, yylsp, Rule, lexer, result, arg);
} while (0)

/* Nonzero means print parse trace. It is left uninitialized so that multiple parsers can coexist. */
int yydebug;
#else /* !YYDEBUG */
  #define YYDPRINTF(Args)
  #define YY_SYMBOL_PRINT(Title, Type, Value, Location)
  #define YY_STACK_PRINT(Bottom, Top)
  #define YY_REDUCE_PRINT(Rule)
#endif /* !YYDEBUG */

/* YYINITDEPTH -- initial size of the parser's stacks. */
#if YYERROR_VERBOSE
  #ifndef yystrlen
    #if defined __GLIBC__ && defined _STRING_H
      #define yystrlen strlen
    #else
      /* Return the length of YYSTR. */
      static YYSIZE_T
    #endif
  #endif
#endif

/* YYMAXDEPTH -- maximum size the stacks can grow to (effective only if the built-in stack extension method is used).

Do not make this value too large; the results are undefined if YYSTACK_ALLOCAT_MAXIMUM < YYSTACK_BYTES (YYMAXDEPTH) evaluated with infinite-precision integer arithmetic. */

#if YYERROR_VERBOSE
  #ifndef YYMAXDEPTH
    #define YYMAXDEPTH 10000
  #endif
#endif

#if YYERROR_VERBOSE
  #ifdef yystrlen
    # if defined __GLIBC__ && defined _STRING_H
    # define yystrlen strlen
    # else
      /* Return the length of YYSTR. */
      static YYSIZE_T
  #endif
#endif

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yystrlen (const char *yystr)  
{  
  YYSIZE_T yylen;  
  for (yylen = 0; yystr[yylen]; yylen++)  
    continue;  
  return yylen;  
}  
# endif  
# endif

#endif yystpcpy  
# if defined__GLIBC__& & defined_STRING_H & & defined_GNU_SOURCE  
# define yystpcpy stpcpy  
# else  
/* Copy YSRC to YYDEST, returning the address of the terminating '0' in  
  YYDEST. */  
static char *  
yystpcpy (char *yydest, const char *yysrc)  
{  
  char *yyd = yydest;  
  const char *yys = yysrc;  
  while ((*yyd++ = *yys++) != '\0')  
    continue;  
  return yyd - 1;  
}  
# endif  
# endif

#endif yytnamerr  
/* Copy to YYRES the contents of YYSTR after stripping away unnecessary  
quotes and backslashes, so that it's suitable for yyerror. The  
heuristic is that double-quoting is unnecessary unless the string  
contains an apostrophe, a comma, or backslash (other than  
backslash-backslash). YYSTR is taken from yytname. If YYRES is  
null, do not copy; instead, return the length of what the result  
would have been. */  
static YYSIZE_T  
yytnamerr (char *yyres, const char *yystr)  
{  
  if (*yystr == '\"')  
  {  
    YYSIZE_T yyn = 0;  
    char const *yyp = yystr;  
    for (;; yyp = ++yyp)  
      switch (*yyp)
{  
    case '\':
    case ',':
        goto do_not_strip_quotes;

    case '\':
        if (*++yyp != '\')
            goto do_not_strip_quotes;
        /* Fall through. */
    default:
        if (yyres)
            yyres[yyn] = *yyp;
        yyn++;
        break;

    case '"':
        if (yyres)
            yyres[yyn] = '\0';
        return yyn;
    }
}

do_not_strip_quotes: ;

if (! yyres)
    return yystrlen(yystr);

return yystpcpy(yyres, yystr) - yyres;
}

#ifendif

/* Copy into *YYMSG, which is of size *YYMSG_ALLOC, an error message about the unexpected token YYTOKEN for the state stack whose top is YYSSP.  

Return 0 if *YYMSG was successfully written.  Return 1 if *YYMSG is not large enough to hold the message.  In that case, also set *YYMSG_ALLOC to the required number of bytes.  Return 2 if the required number of bytes is too large to store. */

static int
yysyntax_error (YYSIZE_T *yymsg_alloc, char **yymsg, yytype_int16 *yyssp, int yytoken)
{
    YYSIZE_T yysize0 = yytnamerr(YY_NULLPTR, yytname[yytoken]);
    YYSIZE_T yysize = yysize0;
    enum { YYERROR_VERBOSE_ARGS_MAXIMUM = 5 };
    /* Internationalized format string. */
    const char *yyformat = YY_NULLPTR;
    /* Arguments of yyformat. */

    }
char const *yyarg[YYERROR_VERBOSE_ARGS_MAXIMUM];
/* Number of reported tokens (one for the "unexpected", one per
"expected"). */
int yycount = 0;

/* There are many possibilities here to consider:
- If this state is a consistent state with a default action, then
  the only way this function was invoked is if the default action
  is an error action. In that case, don't check for expected
  tokens because there are none.
- The only way there can be no lookahead present (in yychar) is if
  this state is a consistent state with a default action. Thus,
  detecting the absence of a lookahead is sufficient to determine
  that there is no unexpected or expected token to report. In that
  case, just report a simple "syntax error".
- Don't assume there isn't a lookahead just because this state is a
  consistent state with a default action. There might have been a
  previous inconsistent state, consistent state with a non-default
  action, or user semantic action that manipulated yychar.
- Of course, the expected token list depends on states to have
  correct lookahead information, and it depends on the parser not
  to perform extra reductions after fetching a lookahead from the
  scanner and before detecting a syntax error. Thus, state merging
  (from LALR or IELR) and default reductions corrupt the expected
  token list. However, the list is correct for canonical LR with
  one exception: it will still contain any token that will not be
  accepted due to an error action in a later state.
*/
if (yytoken != YYEMPTY)
{
    int yyn = yypact[*yyssp];
    yyarg[yycount++] = yytname[yytoken];
    if (!yypact_value_is_default (yyn))
    {
        /* Start YYX at -YYN if negative to avoid negative indexes in
           YYCHECK. In other words, skip the first -YYN actions for
           this state because they are default actions. */
        int yyxbegin = yyn < 0 ? -yyn : 0;
        /* Stay within bounds of both yycheck and yytname. */
        int yyxbegin = yyn < 0 ? -yyn : 0;
        int yyxend = yychecklim < YYNTOKENS ? yychecklim : YYNTOKENS;
        int yyx;

        for (yyx = yyxbegin; yyx < yyxend; ++yyx)
            if (yycheck[yyx + yyn] == yyx && yyx != YYTERROR
                && !yytable_value_is_error (yytable[yyx + yyn]))
            {
                if (yycount == YYERROR_VERBOSE_ARGS_MAXIMUM)
{ yycount = 1; 
yysize = yysize0; 
break; 
} 

yyarg[yycount++] = yyname[yyx]; 
{ 
YYSIZE_T yysize1 = yysize + yynamerr (YY_NULLPTR, yyname[yyx]); 
if (! (yysize <= yysize1 
    && yysize1 <= YYSTACK_ALLOC_MAXIMUM)) 
return 2; 
yysize = yysize1; 
} 

switch (yycount) 
{ 
# define YYCASE_(N, S)                      
| case N:                               
|   yyformat = S;                       
| break                                  
| YYCASE_(0, YY_("syntax error"); 
| YYCASE_(1, YY_("syntax error, unexpected %s"); 
| YYCASE_(2, YY_("syntax error, unexpected %s, expecting %s"); 
| YYCASE_(3, YY_("syntax error, unexpected %s, expecting %s or %s"); 
| YYCASE_(4, YY_("syntax error, unexpected %s, expecting %s or %s or %s"); 
| YYCASE_(5, YY_("syntax error, unexpected %s, expecting %s or %s or %s or %s"); 
# undef YYCASE_ 
} 

{ 
YYSIZE_T yysize1 = yysize + yystrlen (yyformat); 
if (! (yysize <= yysize1 && yysize1 <= YYSTACK_ALLOC_MAXIMUM)) 
return 2; 
yysize = yysize1; 
} 

if (*yymsg_alloc < yysize) 
{ 
*yymsg_alloc = 2 * yysize; 
if (! (yysize <= *yymsg_alloc 
    && *yymsg_alloc <= YYSTACK_ALLOC_MAXIMUM)) 
*yymsg_alloc = YYSTACK_ALLOC_MAXIMUM; 
return 1; 
}
/* Avoid sprintf, as that infringes on the user's name space. 
Don't have undefined behavior even if the translation 
produced a string with the wrong number of "%s"s. */
{
  char *yyp = *yymsg;
  int yyi = 0;
  while (("yyp = *yyformat) != '\0')
         if (*yyp == '%' && yyformat[1] == 's' && yyi < yycount)
            {
             yyp += yytnamerr (yyp, yyarg[yyi++]);
             yyformat += 2;
           }
         else
            {
             yyp++;
             yyformat++;
            }
  }
  return 0;
}
#endif /* YYERROR_VERBOSE */

/*-----------------------------------------------.
| Release the memory associated to this symbol. |
'-----------------------------------------------*/

static void
yydestruct (const char *yymsg, int yytype, YYSTYPE *yyvaluep, YYLTYPE *yylocationp, CfgLexer *lexer,
           LogExprNode **result, gpointer arg)
{
  YYUSE (yyvaluep);
  YYUSE (yylocationp);
  YYUSE (lexer);
  YYUSE (result);
  YYUSE (arg);
  if (!yymsg)
    yymsg = "Deleting";
  YY_SYMBOL_PRINT (yymsg, yytype, yyvaluep, yylocationp);

  YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
  YY_IGNORE_MAYBE_UNINITIALIZED_END

YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
YYUSE (yytype);
YY_IGNORE_MAYBE_UNINITIALIZED_END

/*----------.
int yyparse (CfgLexer *lexer, LogExprNode **result, gpointer arg)
{
/* The lookahead symbol. */
int yychar;

/* The semantic value of the lookahead symbol. */
/* Default value used for initialization, for pacifying older GCCs
   or non-GCC compilers. */
YY_INITIAL_VALUE (static YYSTYPE yyval_default);
YYSTYPE yylval YY_INITIAL_VALUE (= yyval_default);

/* Location data for the lookahead symbol. */
static YYLTYPE yyloc_default
#if defined YYLTYPE_IS_TRIVIAL && YYLTYPE_IS_TRIVIAL
= { 1, 1, 1, 1 }
#endif
;
YYLTYPE yylloc = yyloc_default;

/* Number of syntax errors so far. */
int yynerrs;

int yystate;
/* Number of tokens to shift before error messages enabled. */
int yyerrstatus;

/* The state stack. */
yytype_int16 yyssa[YYINITDEPTH];
yytype_int16 *yyss;
yytype_int16 *yyssp;

/* The semantic value stack. */
YYSTYPE yyvsa[YYINITDEPTH];
YYSTYPE *yyvs;
YYSTYPE *yyvsp;
/* The location stack. */
YYLTYPE yylsa[YYINITDEPTH];
YYLTYPE *yyls;
YYLTYPE *yylsp;

/* The locations where the error started and ended. */
YYLTYPE yyerror_range[3];

YYSTYPE yyval;
YYLTYPE yyloc;

#define YYPOPSTACK(N)   (yyvsp -= (N), yyssp -= (N), yylsp -= (N))

/* Lookahead token as an internal (translated) token number. */
int yytoken = 0;

/* The variables used to return semantic value and location from the action routines. */
YYSIZE_T yystacksize;

int yyn;
int yyresult;

/* Buffer for error messages, and its allocated size. */
char yymsgbuf[128];
char *yymsg = yymsgbuf;
YYSIZE_T yymsg_alloc = sizeof yymsgbuf;
#endif

YYDPRINTF ((stderr, "Starting parse
"));

 YYSIZE_T yystacksize = YYINITDEPTH;

int yynerrstatus = 0;
int yynerrs = 0;
yynchar = YYEMPTY; /* Cause a token to be read. */

.yyloc[0] = yyloc;
goto yysetstate;

/*------------------------------------------------------------.
yynewstate:
/* In all cases, when you get here, the value and location stacks
   have just been pushed. So pushing a state here evens the stacks. */
yyssp++;

yysetstate:
*yyssp = yystate;

if (yyss + yystacksize - 1 <= yyssp)
{
    /* Get the current used size of the three stacks, in elements. */
    YYSIZE_T yysize = yyssp - yyss + 1;

    ifdef yyoverflow
    {
        /* Give user a chance to reallocate the stack. Use copies of
           these so that the &'s don't force the real ones into
           memory. */
        YYSTYPE *yyvs1 = yyvs;
        yytype_int16 *yyss1 = yyss;
        YYLTYPE *yyls1 = yyls;
        YYLTYPE *yyylsp1 = yyylsp;
        YYLTYPE *yyystacksize1 = yyystacksize;

        /* Each stack pointer address is followed by the size of the
           data in use in that stack, in bytes. This used to be a
           conditional around just the two extra args, but that might
           be undefined if yyoverflow is a macro. */
        yyoverflow (YY_("memory exhausted"),
                    &yyss1, yysize * sizeof (*yyssp),
                    &yyvs1, yysize * sizeof (*yyvsp),
                    &yyls1, yysize * sizeof (*yylsp),
                    &yyystacksize1);

        yyls = yyls1;
        yyss = yyss1;
        yyvs = yyvs1;
    }
    #else /* no yyoverflow */
    # ifdef YYSTACK_RELOCATE
        goto yyexhaustedlab;
    # else
        /* Extend the stack our own way. */
        if (YYMAXDEPTH <= yystacksize)
            goto yyexhaustedlab;
        yystacksize *= 2;
        if (YYMAXDEPTH < yystacksize)
            yystacksize = YYMAXDEPTH;
    #endif
    #endif
}
yytype_int16 *yyss1 = yyss;
union yyalloc *yyptr =
    (union yyalloc *) Yystack_alloc (Yystack_bytes (yystacksize));
if (! yyptr)
    goto yyexhaustedlab;
Yystack_relocate (yyss_alloc, yyss);
Yystack_relocate (yyvs_alloc, yyvs);
Yystack_relocate (yyls_alloc, yyls);
#if undef Yystack_relocate
    if (yyss1 != yyssa)
        Yystack_free (yyss1);
#else
    yyptr = (union yyalloc *) YYSTACK_ALLOC (YYSTACK_BYTES (yystacksize));
    if (! yyptr)
        goto yyexhaustedlab;
    Yystack_relocate (yyss_alloc, yyss);
    Yystack_relocate (yyvs_alloc, yyvs);
    Yystack_relocate (yyls_alloc, yyls);
#endif /* no yyoverflow */

yyssp = yyss + yysize - 1;
yyvsp = yyvs + yysize - 1;
yylsp = yyls + yysize - 1;

YYDPRINTF ((stderr, "Stack size increased to %lu\n",
             (unsigned long int) yystacksize));

if (yyss + yystacksize - 1 <= yyssp)
    YYABORT;
}

YYDPRINTF ((stderr, "Entering state %d\n", yystate));

if (yystate == YYFINAL)
    YYACCEPT;
goto yybackup;

/*--------.
 | yybackup. |
 '--------*/

yybackup:

/* Do appropriate processing given the current state. Read a
 lookupahead token if we need one and don't already have one. */

/* First try to decide what to do without reference to lookahead token. */
yyn = yypact[yystate];
if (yypact_value_is_default (yyn))
    goto yydefault;
/* Not known => get a lookahead token if don't already have one. */

/* YYCHAR is either YYEMPTY or YYEOF or a valid lookahead symbol. */
if (yychar == YYEMPTY)
{
    YYDPRINTF ((stderr, "Reading a token: ");
    yychar = yylex (&yylval, &yylloc, lexer);
}

if (yychar <= YYEOF)
{
    yychar = yytoken = YYEOF;
    YYDPRINTF ((stderr, "Now at end of input.
"));
}
else
{
    yytoken = YYTRANSLATE (yychar);
    YY_SYMBOL_PRINT ("Next token is", yytoken, &yylval, &yylloc);
}

/* If the proper action on seeing token YYTOKEN is to reduce or to
   detect an error, take that action. */
yyn += yytoken;
if (yyn < 0 || YYLAST < yyn || yycheck[yyn] != yytoken)
goto yydefault;
yyn = yytable[yyn];
if (yyn <= 0)
{
    if (yytable_value_is_error (yyn))
        goto yyerrlab;
    yyn = -yyn;
    goto yyreduce;
}

/* Count tokens shifted since error; after three, turn off error
   status. */
if (yyerrstatus)
    yyerrstatus--;

/* Shift the lookahead token. */
YY_SYMBOL_PRINT ("Shifting", yytoken, &yylval, &yylloc);

/* Discard the shifted token. */
yychar = YYEMPTY;

yystate = yyn;
YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
*++yyvsp = yylval;

*/
yydefault:
  yyn = yydefact[yystate];
  if (yyn == 0)
    goto yyerrlab;
  goto yyreduce;

/*-----------------------------.
| yyreduce -- Do a reduction. |
'-----------------------------*/
yyreduce:
/* yyn is the number of a rule to reduce with. */
yylen = yyr2[yyn];

/* If YYLEN is nonzero, implement the default value of the action:
 ' $$ = $1'.

Otherwise, the following line sets YYVAL to garbage.
This behavior is undocumented and Bison
users should not rely upon it. Assigning to YYVAL
unconditionally makes the parser a bit smaller, and it avoids a
GCC warning that YYVAL may be used uninitialized. */
yyval = yyvsp[1-yylen];

/* Default location. */
YYLLOC_DEFAULT (yyloc, (yylsp - yylen), yylen);
YY_REDUCE_PRINT (yyn);
switch (yyn)
{
  case 2:
#line 387 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { *result = log_expr_node_append_tail((yyvsp[-1].ptr), (yyvsp[0].ptr)); if (yychar != YYEMPTY) {
      cfg_lexer_unput_token(lexer, &yylval); } YYACCEPT; }
#line 2942 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;
  case 3:
#line 391 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_append_tail(log_expr_node_new_pipe((yyvsp[-2].ptr), &(yylsp[-2])), (yyvsp[0].ptr));
      (yyval.ptr) = log_expr_node_append_tail(log_expr_node_new_pipe((yyvsp[-2].ptr), &(yylsp[-2])), (yyval.ptr));
    }

case 4:
    { (yyval.ptr) = log_expr_node_append_tail((yyvsp[-2].ptr), (yyvsp[0].ptr)); }

case 5:
    { (yyval.ptr) = NULL; }

case 6:
    { GError *error = NULL;
      (yyval.ptr) = log_template_new(configuration, (yyvsp[0].cptr));
      CHECK_ERROR_GERROR(log_template_compile((yyval.ptr), (yyvsp[0].cptr), &error), (yylsp[0]), error, "error compiling replacement");
      free((yyvsp[0].cptr));
    }

case 7:
    { last_rewrite = log_rewrite_subst_new((yyvsp[0].ptr), configuration);
      log_template_unref((yyvsp[0].ptr));
    }

case 8:
    { GError *error = NULL;
      CHECK_ERROR_GERROR(log_rewrite_subst_compile_pattern(last_rewrite, (yyvsp[-4].cptr), &error), (yylsp[-4]), error, "error compiling search pattern");
      free((yyvsp[-4].cptr));
      (yyval.ptr) = last_rewrite;
    }
case 9:
#line 421 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{
    last_rewrite = log_rewrite_set_new((yyvsp[0].ptr), configuration);
    log_template_unref((yyvsp[0].ptr));
}
#line 3001 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 10:
#line 425 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = last_rewrite; }
#line 3007 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 11:
#line 426 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = log_rewrite_set_tag_new((yyvsp[-1].cptr), TRUE, configuration); free((yyvsp[-1].cptr)); }  
#line 3013 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 12:
#line 427 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = log_rewrite_set_tag_new((yyvsp[-1].cptr), FALSE, configuration); free((yyvsp[-1].cptr)); }  
#line 3019 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 13:
#line 429 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{
    last_rewrite = log_rewrite_groupset_new((yyvsp[0].ptr), configuration);
    log_template_unref((yyvsp[0].ptr));
}
#line 3028 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 14:
#line 433 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = last_rewrite; }  
#line 3034 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 15:
#line 436 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ Plugin *p;
    gint context = LL_CONTEXT_REWRITE;
p = plugin_find(configuration, context, (yyvsp[0].cptr));
CHECK_ERROR(p, (yyval.ptr), "%s plugin %s not found",
cfg_lexer_lookup_context_name_by_type(context), (yyvsp[0].cptr));

last_rewrite = (LogRewrite *) plugin_parse_config(p, configuration, &(yyval.ptr), NULL);
free((yyvsp[0].cptr));
if (!last_rewrite)
{
    YYERROR;
}
(yyval.ptr) = last_rewrite;

## 3054 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 18:
## 460 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{
    log_rewrite_groupset_add_fields(last_rewrite, (yyvsp[-1].ptr));
}
## 3062 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 22:
## 472 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{
    last_matcher_options = log_rewrite_subst_get_matcher_options(last_rewrite);
}
## 3068 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 27:
## 483 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{
    const gchar *p = (yyvsp[-1].cptr);
    if (p[0] == '$')
    {
        msg_warning("Value references in rewrite rules should not use the \"$\" prefix, those are only needed in templates",
        evt_tag_str("value", (yyval.ptr)),
        NULL);
        p++;
    }
    last_rewrite->value_handle = log_msg_get_value_handle(p);
    CHECK_ERROR(!log_msg_is_handle_macro(last_rewrite->value_handle), (yyval.ptr), "%s is read-only, it cannot be changed in rewrite rules\", p);
    CHECK_ERROR(log_msg_is_value_name_valid(p), (yyval.ptr), "%s is not a valid name for a name-value pair, perhaps a misspelled .SDATA reference?", p);
    free((yyval.ptr));
case 29:
    { FilterExprNode *filter_expr;
      CHECK_ERRORWITHOUT_MESSAGE(cfg_parser_parse(&filter_expr_parser, lexer, (gpointer *) &filter_expr, NULL), (yylsp[-1]));
      log_rewrite_set_condition(last_rewrite, filter_expr);
    }
    break;

case 31:
    { cfg_lexer_push_context(lexer, LL_CONTEXT_SOURCE, NULL, "source"); }
    break;

case 32:
    { cfg_lexer_pop_context(lexer); }
    break;

case 33:
    { (yyval.ptr) = log_expr_node_new_junction((yyvsp[-1].ptr), &(yyloc));
    }
    break;

case 34:
    { (yyval.ptr) = log_expr_node_append_tail(log_expr_node_new_pipe((yyvsp[-2].ptr), &(yylsp[-2])), (yyvsp[0].ptr));
    }
    break;

case 35:
    { (yyval.ptr) = log_expr_node_append_tail((yyvsp[-2].ptr), (yyvsp[0].ptr));
    }
    break;
case 36:
#line 525 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = NULL; }  
#line 3136 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 37:
#line 529 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = (yyvsp[0].ptr); }  
#line 3142 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 38:
#line 530 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = (yyvsp[0].ptr); }  
#line 3148 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 39:
#line 535 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{  
Plugin *p;
  gint context = LL_CONTEXT_SOURCE;

  p = plugin_find(configuration, context, (yyvsp[0].cptr));
  CHECK_ERROR(p, (yylsp[0]), "%s plugin %s not found",
  cfg_lexer_lookup_context_name_by_type(context), (yyvsp[0].cptr));

  last_driver = (LogDriver *) plugin_parse_config(p, configuration, &(yylsp[0]), NULL);
  free((yyvsp[0].cptr));
  if (!last_driver)
    {  
      YYERROR;
    }
  (yyval.ptr) = last_driver;
}
#line 3168 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 40:
#line 553 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = (yyvsp[-1].ptr); }  
#line 3174 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 41:
#line 557 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */

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```c
{  
    last_driver = afinter_sd_new(configuration);
    last_source_options = &((AFInterSourceDriver *) last_driver)->source_options;
}
```

```
break;
```

```
case 42:
    { 
        (yyval.ptr) = last_driver; 
    }
```

```
case 46:
    {  
        FilterExprNode *last_filter_expr = NULL;
        CHECK_ERROR_WITHOUT_MESSAGE(cfg_parser_parse(&filter_expr_parser, lexer, (gpointer *) &last_filter_expr, NULL), (yyloc));
        (yyval.ptr) = log_expr_node_new_pipe(log_filter_pipe_new(last_filter_expr, configuration), &(yyloc)); 
    }
```

```
case 47:
    {  
        LogExprNode *last_parser_expr = NULL;
        CHECK_ERROR_WITHOUT_MESSAGE(cfg_parser_parse(&parser_expr_parser, lexer, (gpointer *) &last_parser_expr, NULL), (yyloc));
        (yyval.ptr) = last_parser_expr;
    }
```

```
case 48:
    {  
        LogExprNode *last_rewrite_expr = NULL;
        CHECK_ERROR_WITHOUT_MESSAGE(cfg_parser_parse(&rewrite_expr_parser, lexer, (gpointer *) &last_rewrite_expr, NULL), (yyloc));
        (yyval.ptr) = last_rewrite_expr;
    }
```

```
```
break;

case 49:
#line 605 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { cfg_lexer_push_context(lexer, LL_CONTEXT_DESTINATION, NULL, "destination"); }
#line 3229 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 50:
#line 607 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { cfg_lexer_pop_context(lexer); }
#line 3235 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 51:
#line 608 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    {
        (yyval.ptr) = log_expr_node_new_junction((yyvsp[-1].ptr), &(yyloc));
    }
#line 3243 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 52:
#line 616 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_append_tail(log_expr_node_new_pipe((yyvsp[-2].ptr), &(yylsp[-2])),
            (yyvsp[0].ptr)); }
#line 3249 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 53:
#line 617 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_append_tail((yyvsp[-2].ptr), (yyvsp[0].ptr)); }
#line 3255 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 54:
#line 618 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = NULL; }
#line 3261 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 55:
#line 622 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = (yyvsp[0].ptr); }
#line 3267 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 56:
Plugin *p;
gint context = LL_CONTEXT_DESTINATION;

p = plugin_find(configuration, context, (yyvsp[0].cptr));
CHECK_ERROR(p, (yylsp[0]), "%s plugin %s not found",
cfglexer_lookup_context_name_by_type(context), (yyvsp[0].cptr));

last_driver = (LogDriver *) plugin_parse_config(p, configuration, &(yylsp[0]), NULL);
free((yyvsp[0].cptr));
if (!last_driver)
{
    YYERROR;
}
(yyval.ptr) = last_driver;
}

log_expr_node_append_tail((yyvsp[-2].ptr), (yyvsp[0].ptr));
(yyval.ptr) = (yyvsp[-2].ptr);  

(yyval.ptr) = log_expr_node_new_source_reference((yyvsp[-1].cptr), &(yyloc));
free((yyvsp[-1].cptr));

(yyval.ptr) = log_expr_node_new_source(NULL, (yyvsp[-1].ptr), &(yyloc));

(yyval.ptr) = log_expr_node_new_filter_reference((yyvsp[-1].cptr), &(yyloc));
free((yyvsp[-1].cptr));

(yyval.ptr) = log_expr_node_new_source_reference((yyvsp[-1].cptr), &(yyloc));
free((yyvsp[-1].cptr));

(yyval.ptr) = log_expr_node_new_source(NULL, (yyval.ptr), &(yyval.ptr));
free((yyval.ptr));

(yyval.ptr) = log_expr_node_new_source(NULL, (yyval.ptr), &(yyval.ptr));
free((yyval.ptr));

(yyval.ptr) = log_expr_node_new_source_reference((yyval.ptr), &(yyval.ptr));
free((yyval.ptr));

(yyval.ptr) = log_expr_node_new_source(NULL, (yyval.ptr), &(yyval.ptr));
free((yyval.ptr));

(yyval.ptr) = log_expr_node_new_source_reference((yyval.ptr), &(yyval.ptr));
free((yyval.ptr));

(yyval.ptr) = log_expr_node_new_source(NULL, (yyval.ptr), &(yyval.ptr));
free((yyval.ptr));

(yyval.ptr) = log_expr_node_new_source_reference((yyval.ptr), &(yyval.ptr));
free((yyval.ptr));
break;

case 62:
#line 653 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_filter(NULL, (yyvsp[-1].ptr), &(yyloc)); }
#line 3323 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 63:
#line 654 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_parser_reference((yyvsp[-1].cptr), &(yyloc)); free((yyvsp[-1].cptr)); }
#line 3329 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 64:
#line 655 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_parser(NULL, (yyvsp[-1].ptr), &(yyloc)); }
#line 3335 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 65:
#line 656 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_rewrite_reference((yyvsp[-1].cptr), &(yyloc)); free((yyvsp[-1].cptr)); }
#line 3341 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 66:
#line 657 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_rewrite(NULL, (yyvsp[-1].ptr), &(yyloc)); }
#line 3347 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 67:
#line 658 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_destination_reference((yyvsp[-1].cptr), &(yyloc)); free((yyvsp[-1].cptr)); }
#line 3353 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 68:
#line 659 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_destination(NULL, (yyvsp[-1].ptr), &(yyloc)); }
#line 3359 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 69:
#line 660 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = (yyvsp[0].ptr); }
#line 3365 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 70:
    #line 664 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_junction((yyvsp[-1].ptr), &(yyloc)); }
#line 3371 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 71:
    #line 676 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = (yyvsp[0].ptr) ? log_expr_node_new_junction((yyvsp[0].ptr), &(yylsp[0])) : NULL; }
#line 3377 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 72:
    #line 681 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { log_expr_node_append_tail((yyvsp[-2].ptr), (yyvsp[0].ptr)); (yyval.ptr) = (yyvsp[-2].ptr); }
#line 3383 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 73:
    #line 682 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = NULL; }
#line 3389 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 74:
    #line 686 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = (yyvsp[-1].ptr); }
#line 3395 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 75:
    #line 687 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = (yyvsp[-1].ptr); }
#line 3401 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 76:
    #line 691 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_log(log_expr_node_append_tail((yyvsp[-2].ptr), (yyvsp[-1].ptr)),
        (yyval[0].num), &(yyloc)); }
#line 3407 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 77:
    #line 695 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.num) = (yyvsp[-2].num); }
case 78:

```c
    #line 696 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.num) = 0; } 
    #line 3419 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;
```

```c
case 79:
    #line 700 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.num) = log_expr_node_lookup_flag((yyvsp[-1].cptr)) | (yyvsp[0].num); free((yyvsp[-1].cptr)); } 
    #line 3425 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;
```

```c
case 80:
    #line 701 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.num) = 0; } 
    #line 3431 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;
```

```c
case 83:
    #line 737 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.num) = 1; } 
    #line 3437 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;
```

```c
case 84:
    #line 738 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.num) = 0; } 
    #line 3443 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;
```

```c
case 85:
    #line 739 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.num) = (yyval[0].num); } 
    #line 3449 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;
```

```c
case 86:
    #line 743 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.num) = (yyval[0].num); } 
    #line 3455 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;
```

```c
case 87:
    #line 744 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.num) = 2; } 
```
case 88:
    { (yyval.ptr) = g_list_reverse((yyvsp[0].ptr)); }
break;

case 89:
    { (yyval.ptr) = g_list_append((yyvsp[0].ptr), g_strdup((yyvsp[-1].cptr))); free((yyvsp[-1].cptr)); }
break;

case 90:
    { (yyval.ptr) = NULL; }
break;

case 93:
    { last_source_options->init_window_size = (yyvsp[-1].num); }
break;

case 94:
    { last_source_options->chain_hostnames = (yyvsp[-1].num); }
break;

case 95:
    { last_source_options->keep_hostname = (yyvsp[-1].num); }
break;

case 96:
    { last_source_options->program_override = g_strdup((yyvsp[-1].cptr)); free((yyvsp[-1].cptr)); }
break;

case 97:
    { last_source_options->host_override = g_strdup((yyvsp[-1].cptr)); free((yyvsp[-1].cptr)); }
{ last_host_resolve_options->normalize_hostnames = (yyvsp[-1].num); }
#line 3557 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 107:
#line 978 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ CHECK_ERROR(log_matcher_options_set_type(last_matcher_options, (yyvsp[-1].cptr)), (yylsp[-1]),
"unknown matcher type"); free((yyvsp[-1].cptr)); }
#line 3563 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 109:
#line 983 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ CHECK_ERROR(log_matcher_options_process_flag(last_matcher_options, (yyvsp[-1].cptr)), (yylsp[-1]),
"unknown matcher flag"); free((yyvsp[-1].cptr)); }
#line 3569 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

default: break;
}

/* User semantic actions sometimes alter yychar, and that requires
that yytoken be updated with the new translation. We take the
approach of translating immediately before every use of yytoken.
One alternative is translating here after every semantic action,
but that translation would be missed if the semantic action invokes
YYABORT, YYACCEPT, or YYERROR immediately after altering yychar or
if it invokes YYBACKUP. In the case of YYABORT or YYACCEPT, an
incorrect destructor might then be invoked immediately. In the
case of YYERROR or YYBACKUP, subsequent parser actions might lead
to an incorrect destructor call or verbose syntax error message
before the lookahead is translated. */
YY_SYMBOL_PRINT("-> $$ =", yyr1[yyn], &yyval, &yyloc);

YYPOPSTACK (yylen);
ylen = 0;
YY_STACK_PRINT (yyss, yyssp);

*++yyvsp = yyval;
*++yylsp = yyloc;

/* Now 'shift' the result of the reduction. Determine what state
that goes to, based on the state we popped back to and the rule
number reduced by. */

yyn = yyr1[yyn];
yystate = yypgoto[yyn - YYNTOKENS] + *yyssp;
if (0 <= yystate && yystate <= YYLAST && yycheck[yystate] == *yyssp)
yystate = yytable[yystate];
else
yystate = yydefgoto[yyn - YYNTOKENS];
goto yynewstate;

/*--------------------------------------.
| yyerrlab -- here on detecting error. |
'--------------------------------------*/
yyerrlab:
/* Make sure we have latest lookahead translation. See comments at
user semantic actions for why this is necessary. */
yytoken = yychar == YYEMPTY ? YYEMPTY : YYTRANSLATE (yychar);
/* If not already recovering from an error, report this error. */
if (!yyerrstatus)
{
++yynerrs;
#if ! YYERROR_VERBOSE
yyerror (&yylloc, lexer, result, arg, YY_("syntax error"));
#else
# define YYSYNTAX_ERROR yysyntax_error (&yymsg_alloc, &yymsg, \
yyssp, yytoken)
{
char const *yymsgp = YY_("syntax error");
int yysyntax_error_status;
yysyntax_error_status = YYSYNTAX_ERROR;
if (yysyntax_error_status == 0)
yymsgp = yymsg;
else if (yysyntax_error_status == 1)
{
if (yymsg != yymsgbuf)
YYSTACK_FREE (yymsg);
yymsg = (char *) YYSTACK_ALLOC (yymsg_alloc);
if (!yymsg)
{
yymsg = yymsgbuf;
yymsg_alloc = sizeof yymsgbuf;
yysyntax_error_status = 2;
}
else
{
yysyntax_error_status = YYSYNTAX_ERROR;
yymsgp = yymsg;
}

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yyerror (&yylloc, lexer, result, arg, yymsgp);
if (yysyntax_error_status == 2)
goto yyexhaustedlab;
}
#endif
}

yyerror_range[1] = yylloc;

if (yyerrstatus == 3)
{
/* If just tried and failed to reuse lookahead token after an
error, discard it. */

if (yychar <= YYEOF)
{
/* Return failure if at end of input. */
if (yychar == YYEOF)
YYABORT;
}
else
{
yddestruct ("Error: discarding",
            ytoken, &yylval, &yylloc, lexer, result, arg);
ychar = YYEMPTY;
}
}
/* Else will try to reuse lookahead token after shifting the error
token. */
goto yyerrlab1;

/*---------------------------------------------.
| yyerrlab -- error raised explicitly by YYERROR. |
'---------------------------------------------*/

yyerrorlab:

/* Pacify compilers like GCC when the user code never invokes
   YYERROR and the label yyerrorlab therefore never appears in user
code. */
if (/*CONSTCOND*/ 0)
goto yyerrorlab;

yyerror_range[1] = yyfsp[1-yylen];
/* Do not reclaim the symbols of the rule whose action triggered
this YYERROR. */
YYPOPSTACK (yylen);
yylen = 0;
YY_STACK_PRINT (yyss, yyssp);
yystate = *yyssp;
goto yyerrlab1;

/*-------------------------------------------------------------
| yyerrlab1 -- common code for both syntax error and YYERROR.  |
'-------------------------------------------------------------*/

yyerrlab1:
yyerrstatus = 3;  /* Each real token shifted decrements this. */

for (;;)
{
  yyn = yypact[yystate];
  if (!yypact_value_is_default (yyn))
  {
    yyn += YYTERROR;
    if (0 <= yyn && yyn <= YYLAST && yycheck[yyn] == YYTERROR)
    {
      yyn = yytable[yyn];
      if (0 < yyn)
        break;
    }
  }

  /* Pop the current state because it cannot handle the error token. */
  if (yyssp == yyss)
    YYABORT;

  yyerror_range[1] = *yylsp;
  yydestruct ("Error: popping",
              yystos[yystate], yyvsp, yylsp, lexer, result, arg);
  YYPOPSTACK (1);
  yystate = *yyssp;
  YY_STACK_PRINT (yyss, yyssp);
}

YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
*++yyvsp = yylval;
YY_IGNORE_MAYBE_UNINITIALIZED_END

yyerror_range[2] = yyloc;
/* Using YYLOC is tempting, but would change the location of
   the lookahead. YYLOC is available though. */
YYLLOC_DEFAULT (yyloc, yyerror_range, 2);
/* Shift the error token. */
YY_SYMBOL_PRINT("Shifting", yystos[yyn], yyvsp, yylsp);

yystate = yyn;
goto yynewstate;

/*-------------------------------------.
| yyacceptlab -- YYACCEPT comes here. |
'-------------------------------------*/
yyacceptlab:
  yyresult = 0;
goto yyreturn;

/*-----------------------------------.
| yyabortlab -- YYABORT comes here. |
'-----------------------------------*/
yyabortlab:
  yyresult = 1;
goto yyreturn;

#if !defined yyoverflow || YYERROR_VERBOSE
/*-------------------------------------.
| yyexhaustedlab -- memory exhaustion comes here. |
'-------------------------------------*/
yyexhaustedlab:
  yyerror(&yylloc, lexer, result, arg, YY_("memory exhausted"));
  yyresult = 2;
  /* Fall through. */
#endif

yyreturn:
if (yychar != YYEMPTY)
{
  /* Make sure we have latest lookahead translation. See comments at
     user semantic actions for why this is necessary. */
  yytoken = YYTRANSLATE(yychar);
  yydestructor("Cleanup: discarding lookahead",
                yytoken, &yylval, &yylloc, lexer, result, arg);
}
/* Do not reclaim the symbols of the rule whose action triggered
  this YYABORT or YYACCEPT. */
YYPOPSTACK(yylen);
YY_STACK_PRINT(yyss, yyssp);
while (yyssp != yyss)
yydestructor ("Cleanup: popping",
   yystos[*yyssp], yyvsp, yylsp, lexer, result, arg);

YYPOPSTACK (1);

} #ifndef yyoverflow
   if (yyss != yyssa)
      YYSTACK_FREE (yyss);
   endif
   #if YYERROR_VERBOSE
      if (yymsg != yymsgbuf)
         YYSTACK_FREE (yymsg);
      endif
      return yyresult;
   }
#endif /* yyydestruct and yyoverflow */
}
#endif /* yyoverflow */

#line 1048 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1906 */

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====

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1.17 cryptsetup 1.6.0
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1.20 dhcp 4.1-ESV-R15

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cfff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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-->

<!-- $Id$ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>

  <xsl:variable name="isc.copyright.text">
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  </xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
        Copyright (C) <xsl:text> </xsl:text>
        <xsl:with-param name="years" select="year"/>
      </xsl:for-each>
    </xsl:with-param>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="holder"/>
</xsl:variable>
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1.21 mbed-tls 2.6.0

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1.27 sqlite 3.32.3

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1.28 bash 3.2.57

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From spcecdt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: spcecdt@armory.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
  id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcecdt@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
  id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcecdt@armory.com for <chet@po.cwru.edu>)
From: John DuBois <spcecdt@armory.com>
Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
"ksh scripts" (May 9, 1:36pm)
X-Www: http://www.armory.com/~spcecdt/
X-Mailer: Mail User's Shell (7.2.5 10/14/92)
To: chet@po.cwru.edu
Subject: Re: ksh scripts
Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9,  1:36pm, Chet Ramey wrote:

Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

--
``The lyf so short, the craft so long to lerne.`` - Chaucer

Chet Ramey, Case Western Reserve University
Internet: chet@po.CWRU.Edu

-- End of excerpt from Chet Ramey

From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
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id AA27213; Thu, 25 May 95 11:18:25 CDT
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Message-Id: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on the FSF machines (naughty, I know), and I was wondering if you'd let me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in ~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

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Julian Seward, Cambridge, UK.
jseward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006
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```
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```
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Ty Coon, President of Vice
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1.34 apr 1.5.1
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file_io/unix/mktemp.c, strings/apr_strings.c:

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From dso/aix/dso.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_snprintf.c:

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============================

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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+================+==============+===========+============+=================+
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+----------------+--------------+-----------+------------+-----------------+
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes             |
+----------------+--------------+-----------+------------+-----------------+
| 1.6             | 1.5.2        | 2000      | CNRI       | no              |
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Mersenne Twister

---------------

The `mod`:``_random`` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)` or `init_by_array(init_key, key_length)`.
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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets
-------

The `mod:` `socket` module uses the functions, `func:` `getaddrinfo` , and
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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at
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The code is derived from the text of the RFC, including the test suite
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The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
-----------------------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister

The `mod: '_random_` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets
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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch
<ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
----------------------------

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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls
--------------------------

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test_epoll
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--------------

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cfff2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>
* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

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1.52 zlib 1.2.3

1.52.1 Available under license:

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.1.4, March 11th, 2002

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for
Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt
(zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).
*/
/* match.s -- Pentium-optimized version of longest_match()
 * Written for zlib 1.1.2
 * Copyright (C) 1998 Brian Raiter <breadbox@muppetlabs.com>
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 */

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Julian Seward, Cambridge, UK.
jseward@acm.org
bzip2/libbz2 version 1.0.2 of 30 December 2001

/*
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 libbz2.dll test program.
 by Yoshioka Tsuneo (tsuneo@rr.iij4u.or.jp)
 This file is Public Domain. Welcome any email to me.

 usage: minibz2 [-d] [-{1,2,...9}] [[srcfilename] destfilename]
 */
1.54 libestr 0.1.10

1.54.1 Available under license:

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[This is the first released version of the library GPL. It is
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
* 
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
*interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
*and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
*-loss of link, and correctly re-enable PHY when link is
*re-established. (put back CFG_PHYIE)
* 
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
* 
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
  * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
  * see init_nicstar() for PHY initialization to change this. This driver
  * expects the Linux ATM stack to support scatter-gather lists
  * skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
  *
  * Implementing minimal-copy of received data:
  * IDT always receives data into a small buffer, then large buffers
  * as needed. This means that data must always be copied to create
  * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
  * Fix is simple: make large buffers large enough to hold entire
  * SDU, and leave <small_buffer_data> bytes empty at the start. Then
  * copy small buffer contents to head of large buffer.
  * Trick is to avoid fragmenting Linux, due to need for a lot of large
  * buffers. This is done by 2 things:
  * 1) skb->destructor / skb->atm.recycle_buffer
  *      combined, allow nicstar_free_rx_skb to be called to
  *      recycle large data buffers
  * 2) skb_clone of received buffers
  * See nicstar_free_rx_skb and linearize_buffer for implementation
  * details.
  *
  *
  *
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  *
  * M. Welsh, 6 July 1996
  *
  *
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for the initial saa7146 driver and its recent overhaul

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for his work on the initial Linux DVB driver

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for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

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for the nxt2004 frontend driver

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for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
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1.56 e2fsprogs 1.42.12

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*/

Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes

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Theodore Ts'o
23-June-2007

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a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the `ss` command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$ (BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)
install-strip: install
install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Gadi Oxman, August 1995

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1.58 zlib 1.2.11

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/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

1.59 bridgeutils 1.5

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47. [51] Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
48. [52] Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of
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52. [56] Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfig
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1.62 openssh 7.8p1
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/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#define COMPAT_POLL_H_
#endif

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#include "poll.h"
#endif

Open Source Used In LoRaWAN Interface Module Software 2.2.0 949
typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN0x0001
#define POLLOUT0x0004
#define POLLERR0x0008
#define POLLMHP0x0010
#define POLLNVAL0x0020

#if 0 /* the following are currently not implemented */
#define POLLPRI0x0002
#define POLLRDNORM0x0040
#define POLLNORMPOLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND0x0080
#define POLLWRBAND0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);

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* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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*/

#ifndef HAVE_SETREGSID
int setregsid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif
/
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*
*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377)
#define WIFSTOPPED(w) (_W_INT(w) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) (_W_INT(w) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);
#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

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* /opt/cola/permits/1102738801_1610534739.81/0/multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.h

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