Wind River®Compiler

ERROR MESSAGES REFERENCE

5.6

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Wind River Compiler Error Messages Reference, 5.6

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1Error Messages

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1.1 Introduction

This book provides information on messages generated by the compilers and other tools.

In analyzing messages, remember that a message can be generated for code which is apparently correct. Such a message is often the result of earlier errors. If a message persists after all other errors have been cleared, please report the circumstances to Customer Support.

1.1.1 Compiler Message Format

Compiler messages have the form:

```
"file", line #: severity-level (compiler:error#): message
```

Messages have one of four *severity-level* values as follows. The *severity level* for each message is shown in parentheses in the message description; for example, (w) for a warning message.

Table 1-1 Compiler Message Severity Levels

Severity Level	Туре	Compilation Continues	Object File Produced	Notes
i	Information	Yes	Yes	Usually provides detailed information for an earlier message.
w	Warning	Yes	Yes	
e	Error	Yes	No	
f	Fatal	No	No	

The *severity level* of a message can be changed with the **-e** command-line option. See the user's guide for more information about **-e** and command-line options in general.

In each message, "compiler" identifies the compiler reporting the error: **dcc** for the C compiler or **dplus** for the C++ compiler.

Example:

"err1.c", line 2: error (dcc:1525): identifier i not declared

1.1.2 Errors in asm Macros and asm Strings

Errors in assembly code embedded in C or C++ using **asm** macros or **asm** string statements are caught by the assembler, not by the compiler.

If the **-S** option is not used, the compiler will generate a temporary assembly file which is discarded after assembly. To preserve the assembly file for use in diagnosing errors reported in **asm** macros or **asm** strings, either:

- Use the -Xkeep-assembly-file and -Xpass-source command-line options to generate an annotated assembly file along with the object file.
- Use the -S option to stop after compilation, along with the -Xpass-source option, and then assemble the file explicitly using das.

1.2 Compiler Error Messages

Compiler error messages are divided up as follows:

- those generated by **ctoa** and **dtoa** (the legacy C and C++ frontends)—see below
- those generated by etoa (the newer, EDG-based compiler for C, C99, and C++)—see page 68

When a message is shared by compilers, the same error message number is used for all instances.

1.2.1 Messages Generated by ctoa

The messages in this section are generated by **ctoa**, the default C frontend, and **dtoa**, the legacy C++ frontend. To use **dtoa**, use the **-Xc++-old** compiler option. Messages generated by **etoa** (invoked by default for C++ and for C with **-Xc-new**) are listed beginning on page 68.

Numbered messages are issued by the compiler subprogram. Unnumbered messages are issued by the driver and are listed first.

(driver) can't find program program_name

program_name will be the name of some component of the compiler or other tool. (f)

Possible causes:

- The compiler is not installed properly.
- One of the compiler files has been deleted, hidden, or protected.
- The **dtools.conf** or other configuration file is incorrect.

(driver) can't fork

The system cannot start a new process. (f)

(driver) missing comma in -Y option

The **-Y***c*,*dir* option must include a comma. (f)

(driver) **illegal output name** *file*

Specific output filenames given with the **-o** option are invalid to avoid common typing mistakes. (f)

dplus a.c -o b.c # b.c is an illegal output file name

(driver) **invalid option** *unknown*

The driver was started with an unrecognizable **-W** or **-Y** option. Note: **-X** options that are not recognized generate an "unknown option" message, and unrecognized but otherwise valid non **-X** options are passed to the linker. (f)

(driver) program tool-name terminated

The given executable has detected an internal error. May result from other errors reported earlier. If the problem does not appear to be a consequence of some earlier error, please report it to Customer Support. (f)

1000: (general compiler error)

The compiler has detected an internal error. May result from other errors reported earlier. If the problem does not appear to be a consequence of some earlier error, please report it to Customer Support. (f)

1001: illegal argument type

The operand cannot be used with the operator. (e)

```
if (i > pointer)...
```

1003: function takes no arguments

Function was defined without arguments, but was called with arguments. (e)

```
int fun (){}
main(){
    fun(1);
}
```

1004: wrong number of arguments

Number of arguments given does not match prototype or function definition, (w) in C modules if **-Xpcc** or **-Xk-and-r** or **-Xmismatch-warning**, (e) otherwise.

```
int fn(int, int); ... fn(1,2,3);
```

1006: *string* in *string*

The compiler has detected an internal error. May result from other errors reported earlier. If the problem does not appear to be a consequence of some earlier error, please report it to Customer Support. (f)

1007: ambiguous conversion -- cannot cast operand

The compiler cannot find an unambiguous way to convert an item from one type to another. (e)

1010: Operator, type-designator, argument must be of pointer or integral type

An operator that requires an integral or pointer type was applied to a different type.

```
float f;
f = ~f;
```

1012: *operator, type-designator,* **argument must be of pointer or arithmetic type**The operator requires a pointer or arithmetic type operand. (e)

```
struct S {
    int i;
}s;
struct S *p;
*p -> i =3; //
```

1013: left argument must be of integral type

The left operand must be an integral type. (e)

```
pointer | 3;
```

1015: *type-designator*, *operator*, *type-designator*, **left argument must be of arithmetic type**

The operand to the left of the operator must be of arithmetic type. (e)

```
pointer * 2;
pointer / 2;
```

1017: right argument must be of integral type

The right operand must be an integral type. (e)

```
7 | pointer;
```

1019: type-designator, operator, type-designator, right argument must be of arithmetic type

The operand on the right of the operator must be of arithmetic type. (e)

```
2 * pointer;
2 / pointer;
```

1025: division by zero

The compiler has detected a source expression that would result in a division by 0 during target execution. (w)

```
int z = 0; fn(10/z);
```

1028: type-designator [type-designator] requires a pointer and an int

A subscripted expression requires a pointer and an integer. (e)

```
main() {
    int x;
    x[3]=4;
```

1030: can't take address of main

Special rules for the function **main()** are violated. (e)

```
int *p;
p = main;
```

1031: can't take address of a cast expression

The address operator requires an **lvalue** for its operand. (e)

```
int i, *p;
float f;
p = &(int)f;
```

1032: (anachronism) address of bound member function

The correct way to refer to the address of a member function is to use the "::" operator. The C method, using the dot "." operator, causes the compiler to generate the "anachronism" warning. (w)

```
class C {
public:
    fum();
} c;

main() {
    class C * p;
    p= &c.fun; // Old way to reference a function
}
```

1033: can't take address of expression

Cannot use "&" or other means to find the address of the expression. (e)

```
int *pointer;
&pointer++;
```

1034: can't take address of bit-field expression

The address of bit-fields is not available. (e)

```
int *p;
struct {
    int i:3;
}s;
p = &s.i;
```

1041: returning from function with address of local variable

A **return** statement should not return the address of a local variable. That stack area will not be valid after the return. (w)

```
int i;
return &i;
```

1042: ?"type-designator":" type-designator, **bad argument type(s)**

Incompatible types have been used with the conditional operator. (e)

```
int i, *pointer, *p;
p = (2>1) ? i : pointer;
```

1043: trying to decrement object of type bool

A a **boolean** cannot be decremented. (e)

```
bool b; b--;
```

1044: assignment to constant expression

A constant cannot be assigned a value after the constant is defined. (e)

```
const int i=5;
i=7;
```

1045: assignment to non-lvalue of type type-designator

The operand being assigned is not an **lvalue** type. (e)

```
const c = 5;
c = 7;
```

1046: assignment from *type-designator* to *type-designator*

An attempt has been made to assign a type to an incompatible type. (e)

```
int i, j;
i = &j;
```

1047: trying to assign "ptr to const" to "ptr"

A pointer to a **const** cannot be assigned to an ordinary pointer. (e)

```
const int *pc; int pi; ... pi = pc;
```

1050: bad left argument to operator operator not a pointer

The operator requires a pointer for its left operand. (e)

```
int int1, j;
int1 -> j=3;
```

1051: not a class/struct/union expression before ...

The left hand side of a "." or "->" or "->" operator must be of type **class** or pointer to **class**. (e)

```
5->a = 128; // 5 is not a pointer to a class
```

1055: illegal function call

The function call is not valid. (e)

```
int i; i();
```

1056: illegal function definition

A function definition is invalid. (e)

```
fun(iint i);
```

1057: main() may not be called from within a program

Calling **main()** is not permitted. (e)

```
fun() {
     main();
}
```

1059: (compiler error)

The compiler has detected an internal error. May result from other errors reported earlier. If the problem does not appear to be a consequence of some earlier error, please report it to Customer Support. (f)

1060: assignment operator "=" found where "==" expected

Encountered a conditional where the left hand side is assigned a constant value: (w)

```
if (i = 0) \dots /* should possibly be i == 0) */
```

1061: illegal cast from *type-designator* to *type-designator*

An attempt is made to perform a cast to an invalid type, i.e., a structure or array type. (e)

```
struct a = (struct abc)x;
```

1063: ambiguous conversion from *type-designator* to *type-designator*

The compiler cannot find an unambiguous way to convert an item from one type to another. (e)

1074: illegal cast

An attempt is made to perform a cast to an invalid type, i.e., a structure or array type. (e)

1075: friend declaration outside class/struct/union declaration

The keyword **friend** is used in a invalid context (e)

```
friend class foo {
    ...
}:
```

1076: static only allowed inside { } in a linkage specification

Attempt to declare a static object in a one-line linkage specification. (e)

```
extern "C" static int i; // static + extern at same time?
```

1077: typedefs cannot have external linkage

Linkage specification ignored for **typedef**, cannot have "C" or "C++" linkage. (w)

```
extern "C" typedef int foo;
```

1079: identifier name previously declared linkage

The identifier was already declared with another linkage specification. (e)

```
int foo;
extern "C" int foo;
```

1080: inconsistent storage class specification for name

The identifier was already declared, with another storage class. (e)

```
bar()
{
   int foo; // foo is auto by default
   static int foo; // now static
}
```

1081: illegal storage class

External variables cannot be **automatic**. Parameters cannot be **automatic**, **static**, **external**, or **typedef**. (e)

```
int fn(i)
static int i; { ... }
```

1082: illegal storage class

A variable has been declared, but cannot legally be assigned to storage. (e)

```
register int r; // Outside of any function
```

1083: only functions can be inline

The **inline** keyword was applied to a non-function, for example, a variable. (e)

1084: only non-static member functions can be virtual

For example, operators **new** and **delete** cannot be **virtual**.

```
virtual void *operator new( size_t size) {...}
```

1086: redeclaration of *identifier*

It is invalid to redeclare a variable on the same block level. (e)

```
int a; double a;
```

1087: redeclaration of function

A function was already declared. May be caused by mis-typing the names of similar functions. (e)

1088: illegal declaration

Common causes and examples: (e)

A scalar variable can only be initialized to a single int i = 1, 2; value of its type.

Functions cannot return arrays or functions. char fn()[10];

Variables cannot be of type **void**. (Usually caused by void a; a missing asterisk, e.g. **void *p;** is correct.)

Only one **void** is allowed as function argument. int fn(void, void);

An array cannot contain functions.

1089: illegal initializer

An initializer is not of the proper form for the object being initialized. Often caused by a type mismatch or a missing member in a structure constant. (e)

1090: static/external initializers must be constant expressions

Static initializations can only contain constant expressions. (e)

```
static int i = j+3;
```

1091: string too long

A string initializer is larger than the array it is initializing. (e)

```
char str[3] = "abcd";
```

1092: too many initializers

The number of initializers supplied exceeds the number of members in a structure or array. (e)

```
int ar[3] = \{1,2,3,4\};
```

1094: illegal type for identifier identifier

This can indicate a **template** was instantiated with the wrong arguments. (e)

```
template<class T>
class C{};
C<int, int> WrongArgs;
```

1096: typedef may not have the same name as its class

Only constructors and destructors for a class may have the same name as the class. (e)

1097: function-declaration in wrong context

A function may not be declared inside a **struct** or **union** declaration. (e)

```
struct { int f(); };
```

1098: only non-static member functions can be string

Only non-static member functions can be **const** or **volatile**.

```
class A {
    static foo() const;
};
```

1099: all dimensions must be specified for non-static arrays

For an array in a class all dimensions must be specified, even if the array is not **static**. (e)

1100: member is incomplete

The structure member has an incomplete type, i.e., an empty array or undefined structure. (e)

```
struct { int ar[]; };
```

1101: anonymous union member may not have the same name as its class

Only constructors and destructors for a class may have the same name as the class. (e)

1102: anonymous unions can't have member functions

1103: anonymous unions can't have protected or private members

1104: name of anonymous union member name already defined

An identifier with the same name as an anonymous **union** member was already declared in the scope. (e)

```
int i;
static union {
    int i; // i already declared
```

1105: anonymous unions in file scope must be static

A special rule for an anonymous **unions** is violated. (e)

1106: friends can't be virtual

A **friend** is not a member of the class; it cannot be **virtual**. (e)

1107: conversion functions must be members of a class

It is not valid to define a conversion function that is not a class member. A conversion function cannot take arguments. A conversion function cannot convert to the type of the class if it is a member of, or a reference to it. (e)

1108: member function declared as friend in its own class

Invalid declaration. (e)

```
class A {
    foo(int);
    friend A::foo(int);
}
```

1110: identifier identifier is not a member of class class-name

The identifier to the right of :: is not in the class on the left side. (e)

1111: identifier identifier not member of struct/union

The expression on the right side of a "." or "->" operator is not a member of the left side's **struct** or **union** type. (e)

1112: member declaration without identifier

A **struct** or **union** declaration contains an incomplete member having a type but no identifier. (w)

```
struct foo { int; ...};
struct { struct bar { ... }; ... };
```

1113: identifier name used both as member and in access declaration

A use of the *name* would be ambiguous. (e)

```
class A {
    public:
    int foo;
};

struct B : private A {
    int foo;
    A::foo;
};
```

1114: array is incompletely specified

An array cannot be declared with an incomplete type. (e)

```
int a[]; // No array size
```

1115: type ... is incomplete

Attempt to access a member in an incomplete type. (e)

1117: identifier identifier not an argument

An identifier that is not in the parameter list was encountered in the declaration list of an old-style function. (e)

```
f(a) int b; { ... }
```

1120: constant expression expected

The expression used in an enumerator list is not a constant. (e)

```
enum a { b = f(), c };
```

1121: integer constant expression expected

The size of an array must be computable at compile time. (e)

```
int ar[fn()];
```

1123: illegal type of switch-expr

A **switch** expression is of a non-integral type. (e)

1124: duplicate default labels

A **switch** has should not have more than one default label.

1125: int constant expected

A bit-field width must be an integer constant. (e)

1126: case expression should be integral constant

Case expressions must be integral constants. (e)

```
int i,j;
switch (i) {
  case j:
    i = 8;
}
```

1127: duplicate case constants

A case constant should not occur more than once in a switch statement. (e)

```
case 1: ... case 1:
```

1127: duplicate case constants

Duplicate case constants were detected. (e)

```
main() {
    int year, j;
    switch (year) {
      case 2000:
          j = 8;
      case 2000:
          j = 9;
    }
}
```

1128: function must return a value

Found a **return** statement with no value in a function. (e)

```
int foo()
{
    return; // Must return a value.
}
```

1129: constructor and destructor may return no value

A constructor or destructor must not return a value. (e)

1130: parameter decl. not compatible with prototype

There is a mismatch between a prototype and the corresponding function declaration in either number of parameters or parameter types. (e)

```
int fn(int, int);
int fn(int a, float b) { ... }
```

1131: multiple initializations

A variable was initialized more than once. (e)

```
static int a = 4;
static int a = 5;
```

1133: extern objects can only be initialized in file scope

An **extern** object cannot be initialized inside a function. (e)

```
main() {
    extern int i=7;
}
```

1133: extern objects can only be initialized in file scope

Attempt to initialize an extern object in a function. (e)

```
foo()
{
    extern int one = 1;
}
```

1134: can't initialize arguments

It is not valid to attempt to initialize function parameters. (e)

```
f(i) int i = 5; { ... }
```

1135: can't init typedefs

A **typedef** declaration cannot have an initializer. (e)

```
typedef unsigned int uint = 5;
```

1136: initialization of automatic aggregates is an ANSI extension

When the compiler is run in PCC compatibility mode on a C module (**-Xpcc**), it will report initialization of automatic aggregate types. (w)

```
f() { int ar[3] = {1,2,3}; ... }
```

1140: too many parameters for operator ...

Overloaded operator declared with too many parameters. (e)

1141: too few parameters for operator ...

Overloaded operator declared with too few parameters. (e)

1142: second argument to postfix operator "++" or "--" must be of type int

The argument is of the wrong type. (e)

```
struct A {
    operator++(double); // Arg type must be int
}:
```

1143: operator->() must return class or reference to class

1144: operator ... can only be overloaded for classes

The operators "," and "=" and the unary "&" can only be overloaded for classes. (e)

1145: operator . . . must be a non-static member function

The operators (), [], and -> must be non-static member functions. These operators can only be defined for classes. (e)

1146: non-member operator function must take at least one argument of class or enum type or reference to class or enum type

A non-member operator function must take at least one argument, which is of a **class** or **enum** type or a reference to a **class** or **enum** type. (e)

```
Date operator+(int i, j){...}
```

1147: constructors can't be declared string

Constructors cannot be declared static or virtual.

1148: constructors can't have a return type

A constructor declaration is invalid. (e)

1149: constructor is illformed, must have other parameters

A constructor declaration is invalid. (e)

1151: can't have a destructor in a nameless class/struct/union

A nameless class cannot have a destructor since the destructor takes its name from the class. (e)

```
class {
    ~foo();
}:
```

1152: destructors must have same name as the class/struct/union

The destructor declaration is invalid. (e)

1153: destructors may have no return type

```
const ~k(){}
```

1154: destructors can't be declared string

Destructors cannot be declared **static**.

1155: destructors may take no arguments

The destructor declaration is invalid. (e)

1156: conversion functions may take no arguments

It is not valid to define a conversion function that is not a class member. A conversion function cannot take arguments. A conversion function cannot convert to the type of the class if it is a member of, or a reference to it. (e)

1157: conversion to original class or reference to it

It is not valid to define a conversion function that is not a class member. A conversion function cannot take arguments. A conversion function cannot convert to the type of the class if it is a member of, or a reference to it. (e)

1159: no type found for *identifier*, can be omitted for member functions only

The identifier has not been declared. (e)

1160: class already has operator delete with number of argument(s)

The **delete** operator cannot be overloaded. (e)

1161: member operator functions can't be static

Operator functions in a class cannot be declared **static**. (e)

1162: member of abstract class

A class member cannot be of abstract type. (e)

1163: unions can't have virtual member functions

Union cannot have **virtual** functions as members. (e)

1164: member function of local class must be defined in class definition

Because functions cannot be defined in other functions, any function in a local class must be defined in the class body. (e)

1165: redeclaration of member identifier

A member occurs more than once in **a struct**, **union**, or **class**. (e)

```
struct { int m1; int m1; };
```

1166: member name already declared

Attempt to re-declare a member. (e)

```
class A {
   int a;
   int a; // Already declared
}:
```

1167: static data member may not have the same name as its class

Only constructors and destructors for a class may have the same name as the class. (e)

1168: a local class can't have static data members

Only non-static members can be used in a local class. (e)

1169: unions can't have static data members

Union cannot have **static** data members. (e)

1170: illegal union member

An object of a class with a constructor, a destructor, or a user defined assignment operator cannot be a member of a union. (e)

1171: illegal storage class for class member

A class member cannot be **auto**, **register**, or **extern**. (e)

1172: parameter has no identifier

When declaring a function, a name as well as a type, must be supplied for each parameter. (e)

```
int fn(int a, int) { ... }
```

1173: compiler out of sync: probably missing ";" or "}

```
int i int j; missing ';" after i
dribble f; should be double
```

1174: ellipsis not allowed as argument to overloaded operator

Cannot declare an overloaded operator with "..." as arguments. (e)

1175: ellipsis not allowed in pascal functions

Functions declared with the **pascal** keyword are not allowed to have a variable number of arguments as indicated by an ending ellipsis "...". (e)

1176: argument *n* to string must be of type size_t

For example, operator **delete's** second argument must be of type size_t

```
void operator delete(void *type, int x) {
    free(type);
}
```

1177: string must return void *

For example the operator **new** must return a **void** pointer.

```
int *operator new(size_t size){...}
```

1179: string takes one or two arguments

For example, operator **delete** takes one or two arguments (e).

```
void operator delete(void *type, size_t size, int x)\{...\}
```

1180: operator delete must have a first argument of type void *

The first argument of **delete** must be of type **void***.

```
void operator delete(int x) {
    free(x);
}
```

1181: string must return void

For example, operator **delete** must return **void**.

```
int operator delete(void *type){...}
```

1182: class class-name has no constructor

It is invalid to initialize an object that does not have a constructor by using the constructor initialization syntax. (e)

```
struct A {
    int b, c;
};
A a(1,2);
```

1183: temporary inserted for non-const reference

The compiler made a temporary copy of a variable used in an assignment to a C++ reference. (w)

```
void getCount(unsigned int& count)
{
    count = 5;
    return;
}
...
signed int x = 100;
getCount(x);
```

In this example, the compiler makes a temporary copy of **x** and passes the copy (cast to **unsigned int**) to **getCount**. Hence it is the copy of **x**, and not **x** itself, that is modified by **getCount**; after the function executes, the value of **x** is still 100, not 5.

1184: temporary inserted for reference return

```
Vint& constant1()
{
    return 1;
```

1186: const member identifier must have initializer

A constant member of a class must be initialized. (e)

```
class line{
    const int length;
...
}:
```

1188: jump past initializer

An object cannot be accessed before it has been constructed.

1190: this cannot be used outside a class member function body

1192: mismatching parenthesis, bracket or ? : around expression

Mostly likely, a parenthesis or bracket was left out of an expression, or the "?" and ":" in a conditional expression where interchanged. (e)

```
int i = (5 + 4]; // ] should have been a )
```

1193: missing operand for operator

An operand is missing. (e)

```
i & ;
```

1194: (compiler error)

The compiler has detected an internal error. May result from other errors reported earlier. If the problem does not appear to be a consequence of some earlier error, please notify Customer Support. (f)

1195: missing operand somewhere before

An operand was left out of an expression. (e)

1196: missing expression inside parenthesis

An expression was expected between the parentheses. (e)

```
i = ();
```

1197: missing operand for operator ... inside parenthesis

An operand was left out of an expression. (e)

1198: too many operands inside parenthesis

An operator between the operands is missing. (e)

1199: missing expression inside brackets

An expression was expected between the brackets. (e)

```
int x[5];
int i = x[]; // x must be subscripted
```

1200: missing operand for operator ... inside brackets

1201: too many operands inside brackets

1202: missing operator before *string*

An operator is needed before *string*.

```
i = (2>1) 3: 4; // Conditional operator needs '?'
```

1205: operator? without matching:

Operator "?" must be followed by a ":". (e)

```
int i = 4 ? 5; // Missing : part
```

1207: syntax error near token

The parser has found an unexpected token. (e)

```
if (a == 1 ( /* missing ')' */
```

1208: expression expected

Could not find an expression where it was expected. (e)

```
if () { // The condition is missing. \dots
```

1209: illegal expression

There was something wrong with the expression. Another error has probably already been reported. (e)

1210 to **1216**: (compiler error)

The compiler has detected an internal error. May result from other errors reported earlier. If the problem does not appear to be a consequence of some earlier error, please notify Customer Support. (f)

For users searching online: 1211, 1212, 1213, 1214, 1215, 1216.

1219: (internal error)

The compiler has detected an internal error. May result from other errors reported earlier. If the problem does not appear to be a consequence of some earlier error, please report it to Customer Support. (f)

1221: don't know size of object

The **sizeof** operator is used on an incompletely specified array or undefined structure, or an array of objects of unknown size is declared. (e)

```
extern int ar[]; sz = sizeof(ar);
```

1224: type must have default constructor

The class must have a default constructor. (e)

1227: EOF in comment

The source file ended in a comment. (w) if **-Xpcc**, (e) otherwise.

1228: too many characters in character constant

A character constant has more than four characters. The limit is four on 32 bit machines. (e)

```
int i1 = 'abcd'; /* ok */
int i2 = 'abcde'; /* not ok */
```

1229: EOF in character constant

The source file ended at an unexpected place during parsing. (f)

1230: newline in character constant

```
Vchar TAB = '\t;
```

1231: empty character constant

There are no characters in a character constant. If an empty string is desired, use string quotes "". (e)

```
int i3 = ''; /* This is two single quotes characters. */
```

1232: too many characters in wide character constant

1234: newline in wide character constant

A newline is in a wide character constant.

Example: in the following, the wide character constant is intended to be **L'ab'**, but is broken across two lines.

```
int i = L'a
b';
```

1235: empty wide character constant

Empty wide character constants are not allowed:

```
int i = L'';
```

1236: EOF in string constant

The source file ended at an unexpected place during parsing. (f)

1237: newline in string constant

The end of a line was found while parsing a string constant. Usually caused by a missing double quote character at the end of the constant. (e)

```
char * message = "Not everything that counts can be counted.
```

1238: illegal hex constant

Reported whenever an "x" or "X" is found in a numeric constant and is not prefixed with a single zero. (e)

```
i = 1xab;
```

1239: too long constant

A numeric constant is longer than 256 characters. (e)

1240: floating point value (...) out of range

A floating point constant exceeds the range of the representation format. (e)

```
double d = 1e10000;
```

1241: floating point overflow

Floating point overflow occurred during constant evaluation. (e)

```
float f=4E200;
```

1242: bad octal constant

A numeric constant with a leading zero is an octal constant and can only contain digits 0 through 7. (w)

```
i = 078; // '8' is invalid in an octal constant
```

1243: constant out of range

Constant overflows its type. (e)

```
int i = 4294967299; // Constant bigger than ULONG_MAX
```

1243: constant out of range [operator]

A constant is out of the range of the context in which it is used. If the operator is present, it shows the operator near the use of the invalid constant. (w)

```
int j = 0xffffffffff;
```

1244: constant out of range (string)

An invalid constant was used. (w)

```
const int x=0xfffffffff;
if ((char)c==257) ...
```

1245: illegal character: 0n (octal)

The source file contains a character with octal code *n* that is not defined in the C language. This can only occur outside of a string constant, character constant, or comment. (e)

```
name\$from\$PLM = 1;
```

1246: no value associated with token

The compiler has detected an internal error. May result from other errors reported earlier. If the problem does not appear to be a consequence of some earlier error, please report it to Customer Support. (f)

1247: syntax error after string, expecting string

The expression is missing a semicolon or some token. (e)

```
int i
```

1248, 1249: label identifier already exists

A label can only refer to a single place in a function. (e)

1250: label identifier not defined

The label used in a **goto** statement is not defined. (e)

1251: label identifier not used

The label is never used. One possible cause is the misspelling of a label. This message appears if the **-Xlint** option is used. (w)

1252: typedef specifier may not be used in a function definition

Bad use of the **typedef** specifier. (e)

```
typedef int foo()
{
```

}

1253: virtual specifier may only be used inside a class declaration

Function cannot be declared virtual outside class body. (e)

```
struct A {
    foo();
};
virtual A::foo() {} // Not virtual in the class declaration
```

1254: redefinition of function

The function is already defined. (e)

```
int foo() {}
int foo() {}
```

1255: unions may not have base classes

Union cannot have base classes. (e)

1256: unions can't be base classes

Union cannot be used as base classes. (e)

1257: inconsistent exception specifications

Two function declarations specify different exceptions. (e)

```
int foo() throw (double);
int foo() throw (int);
```

1258: exception handling disabled

Exception handling has been turned off. Use **-Xexception=1** to enable it. (e)

1259: rtti disabled

RTTI (run-time type information) can be enabled or disabled through the **-Xrtti-...** option. See the User's Guide for more information on this option.

1260: non-unique struct/union reference

In PCC mode (-**Xpcc**) the compiler attempts to locate a member of another **struct** if given an invalid reference. If no unique member can be found, this error is issued. (e)

```
struct a { int i; int m; };
struct b { int m; int n; };
int i; ... i->m = 1;
```

1261: insufficient access rights to member-name in base-class-name base class of derived-class-name

Attempt to access a member in a **private** or **protected** base class. (e)

1264: main can't be overloaded

Special rules for the function **main()** are violated. (e)

1265: can't distinguish function_name1 from function_name2

Two overloaded functions cannot be distinguished from each other; they effectively have the same number and types of arguments in the same order. (e)

```
int foo(int);
int foo(int &);
```

1266: function function-name already has "C" linkage

Only one of a set of overloaded functions can have "C" linkage. (e)

```
extern "C" foo(int);
extern "C" foo(double);
```

1268: only virtual functions can be pure

Pure specifier found after non-virtual function. (e)

```
class foo {
   bar() = 0 // Must be virtual
};
```

1269: identifier is not a struct/class/union member

The identifier is not a member of a structure, class, or union. (e)

```
int i;
i.j = 3; // j is not a member of a structure.
```

1272: member name used outside non-static member function

Attempt to reference a class member directly in a **static** member function or an inlined **friend** function. That is invalid in a function where keyword **this** cannot be used. (e)

1275: error string

This error number can indicate a number of different kinds of errors. In some cases, this message gives additional information about an error message displayed above this one. For example, if a function call is ambiguous, this error prints the names of candidate functions.

1276: can't use ... in default argument expression

Class members can only be used in default arguments if they are **static**. Function arguments cannot be used in default arguments. Local variables cannot be used unless they are declared **extern**. (e)

```
int foo(int a, int b = a)
{
    ...
}
```

1278: can't restrict access to *identifier*

An access declaration cannot restrict access to a member that is accessible in the base class, nor can an access declaration enable access to a member that is not accessible in the base class. (e)

1279: can't enable access to identifier

1281: no function matches call to string

The compiler did not find a match for a class method, or a **template** function. This can also indicate that a class does not have a default constructor. (e)

```
class line{
public:
    line(){}
};
line 1(5,6);

Second example:

template< class T> T max(T a, T b) {
    return(a>b) ? a : b;

main(){
    int i;
    char c;
    max(i,c);
}
```

1282: can't resolve function call, possible candidates:

An overloaded function was called, but the function arguments did not match any prototype. (e)

```
fun(int i){}
fun(char c){}

main(){
    float f;
    fun(f);
}
```

1285: ambiguous reference to *identifier*, **could be** *candidate1 candidate2* ...

The identifier could not be resolved unambiguously. The error message is followed by a list of possible candidates. (e)

```
struct A { int a; };
struct B { int a; };
struct C : public A, public B {};

foo()
{
    C c;
    c.a = 1; // Which a, A::a or B::a?
}
```

1288: return type not compatible with ...

A virtual function has a return type that is incompatible with the return type of the **virtual** function in the base class. (w)

1292: too many arguments for function style cast to string

Function style casts to a basic type or a union type can only take a single argument. (e)

```
int i = int(3.4, 5.6);
```

1293: non-type in new expression

A **new** expression requires a type.

```
class list {};
. . .
class list * cp;
cp = new lis; // Spelled wrong
```

1294: type in new expression is abstract

The type in a **new** expression must not be abstract.

1295: first dimension must be an integral expression

The first dimension of an array type in a **new** expression must be an integral expression. (e)

```
double d;
int *p = new int[d];
```

1296: can't create void objects

The type in a **new** expression was void.

```
void *p = new void;
```

1297: type in new expression is incompletely specified

1298: object of abstract class

Attempt to declare an object of an abstract class. (e)

1298: can't construct object of abstract type

The type in a **new** expression is of abstract class. (e)

```
struct A {
     virtual foo() = 0;
};
A *p = new A;
```

1299: can't construct objects of array type

Array elements in an array allocated with **new** cannot be given initial values. (e)

```
struct A {};
A *p = new A[5](1,2,3,4,5);
```

1304: already volatile

A variable was declared **volatile** more than once. (w)

```
int * volatile volatile foo;
```

1305 to 1336: (compiler error)

The compiler has detected an internal error. May result from other errors reported earlier. If the problem does not appear to be a consequence of some earlier error, please report it to Customer Support. (f)

For users searching online: 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, and 1336.

1337: EOF in inline function body

The end of the source file was found while parsing an inline function. (f)

1338: arguments do not match template

The actual **template** argument types must match the declaration exactly. (e)

```
template<int size>
class foo {
    // ...
};
foo<7, 7> qux;
```

1339: arguments do not match template template name

The arguments do not match the **template**.

```
template<class T>
class C{};
C<int, int> WrongArgs;
```

1340: can't recover from earlier errors

Certain earlier errors have made it impossible for the parser to continue. (f)

1341: compiler out of sync: mismatching parens in inline function

The compiler is unable to parse an inline function. Check the function to see if the parentheses are nested correctly. (f)

1344: syntax error - unexpected end of file

The parser has found an unexpected token. (e)

1347: identifier *name* **used as template** *name*

The identifier cannot be used as a **class**, **struct**, or **union** tag since it is already a **template** name. (e)

```
template<class T>
class foo {
    ...
};
struct foo {
}
```

1354: "0" expected in pure specifier

A value other than 0 was found in a pure specifier. (e)

```
class foo {
    virtual bar() = 5; // Should have been 0
}
```

1355: all dimensions but the first must be positive constant integral expressions

The first dimension of an array may be empty in some contexts. In a multi-dimensional array, no other dimensions may be empty (and none may be negative). (e)

```
int array[-4];
```

1360: base class expected

Base class not found after ":" or "," in a class definition. (e)

```
class A : {}; // The base class is missing
```

1361: can't initialize ... with a list

An object of a class which has constructors, bases, or non-public members cannot be initialized as an aggregate.

```
struct foo {
    private:
        int i
    public:
        int j, k;
};
foo bar = { 1, 2, 3 }; // i is private
```

1362: can't nest function definitions

Functions cannot be defined inside other functions.

```
void foo()
{
    void bar() { } // No nesting
}
```

1367: class class-name used twice as direct base class

Cannot use the same class as a base class more than once. (e)

```
class A {};
class B : A, A {};
```

1368: class name expected after ~

Encountered "~" in a class, apparently to declare a destructor, but it was not followed by the class name. (e)

```
class foo {
    ~;
};
```

1370: class/struct/union cannot be declared specifier

A function specifier is applied to a definition of a **class**, **struct**, or **union**. (e)

1371: conflicting declaration specifiers: *specifier1 specifier2*

Illegal mixing of **auto**, **static**, **register**, **extern**, **typedef** and/or **friend**. (e)

```
extern static int foo;
```

1372: conflicting type declarations

More than one type specified in a declaration. (e)

```
int double foo;
```

1373: enumerator may not have same name as its class

Only constructors and destructors for a class may have the same name as the class. (e)

1376: function *function name* **is not a member of class** *class name*

A function was not declared, it was misspelled, or the parameters were not used consistently. (e)

```
class line{
    lint(int 1); // Misspelled
};
line::line(int 1){}
```

1378: function function name is not found

A function call referred to a function that was not found. (e)

```
static int fun();
main(){
    fun();
}
```

1379, 1380: identifier ... declared as struct or class. Use struct or class specifier identifier ... declared as union. Use union specifier

There was a type mismatch between the declaration and the use of an identifier. (e)

```
union u {
    ...
};
struct u foo; // u was a union, cannot also be struct
```

1381: identifier name not a nested class nor a base class

Something that is not a class was used as a base class. (e)

1383: identifier identifier is not a type

What appeared to be a declaration began with an identifier that is not the name of a type.

```
INT I;
```

1384: identifier name not a direct member

Attempt to initialize a variable that is not a direct member of the class. (e)

```
struct B { int b; };

struct C : public B {
   int c;
   C(int i) : c(i), b(i) {} // Can't initialize b here
}
```

1385: identifier identifier not a static member of class class name

Invalid declaration. (e)

```
struct A {
    int i;
};
int A::i;
```

1386: identifier identifier not declared in string

An identifier is used but not declared. Check the *identifier* for spelling errors. (e)

1388: identifier identifier not declared

An identifier was used without being declared. (e)

1391: identifier name is not a class

An identifier that is not a class was used before "::".

1394: illegal *expression*

A **break** statement is only allowed inside a **for**, **while**, **do** or **switch** statement. (e)

A **continue** is only allowed inside a **for**, **while** or **do** statement. (e)

A **default** or **case** label is only allowed inside a **switch** statement. (e)

1395: illegal function specifier for argument

A parameter cannot be declared **inline** or **virtual**.

```
void foo(inline int);
```

1397: illegal storage class for class/struct/union

A storage class other than **extern** is specified for a definition of a **class**, **struct**, or **union**. (e)

```
auto class foo {
    ...
}:
```

1403: main can't be declared string

Special rules for the function **main()** are violated. (e)

1404: mem initializers only allowed for constructors

Members can only be initialized with the member initializer syntax in constructors. (e)

```
class A {
    int i;
    int foo() : i(4711) {} // Not a constructor
}
```

1405: missing argument declaration

Argument declaration omitted. (e)

```
class bar {
    foo(, int);
}
```

1410: no default arguments for overloaded operators

Overloaded operators cannot have default arguments. (e)

1411: no redefinition of default arguments

An argument can be given a default value only once in a set of overloaded functions. (e)

```
void foo(int = 17);
void foo(int = 4711);
```

1412: no return type may be specified for conversion functions

The return type of conversion function is implicit. (e)

```
class foo {
   double operator int(); // Cannot specify type
}
```

1414: non-extern object name of type type-name must be initialized

A **const** object must be initialized unless it is **extern**.

1415: non-extern reference name must be initialized

References and **const** objects, which are not declared **extern**, must be initialized. So must objects of classes that have constructors but no default constructors. (e)

```
const struct S &structure;
```

1417: only functions can have pascal calling conventions

```
int pascal i;
```

1418: only static constant member of integral type may have initializer

A member that is a static integral type can be initialized; others cannot. (e)

```
struct {
    const int *p =0x3333;
}s;
```

1419: operator ... cannot be overloaded

It is invalid to overload any of the operators "." or ".*" or "?:".

1420: parenthesized expression-list expected after type typename

1423: redeclaration of symbol ...

A symbol in an enumerated type clashes with an earlier declaration. (e)

1427: static function declared in a function

There is no use declaring a **static** function inside another function. (e)

```
void foo()
{
   static void bar();

   bar(); // Call to bar, but where can it be defined?
}
```

1428: static member ... can't be initialized

A **static** class member cannot be initialized in a member initializer. (e)

```
class A {
    static int si;
    A(int ii) : si(ii) {}
};
```

1429: string literal expected in asm definition

String missing in an **asm** statement.

```
asm(); // the parentheses should contain an instruction
```

1430: subsequent argument without default argument

Only the trailing parameters may have default arguments. (e)

```
void foo(int = 4711, double);
```

1431: syntax error - catch handler expected after try The parser has found an unexpected token. (e) 1432: syntax error - catch without matching try The parser has found an unexpected token. (e) 1433: syntax error - class key seen after type. Missing ;? The parser has found an unexpected token. (e) 1434: syntax error - class name expected after :: The parser has found an unexpected token. (e) 1435: syntax error - colon expected after access specifier The parser has found an unexpected token. (e) 1436: syntax error - declarator expected after ... The parser has found an unexpected token. (e) 1437: syntax error - declarator expected after type The parser has found an unexpected token. (e) 1438: syntax error - declarator or semicolon expected after class definition The parser has found an unexpected token. (e) 1439: syntax error - else without matching if The parser has found an unexpected token. (e) 1441: syntax error - identifier expected after ... The parser has found an unexpected token. (e) 1442: syntax error - initializer expected after = The parser has found an unexpected token. (e) 1444: syntax error - keyword operator must be followed by an operator or a type specifier The parser has found an unexpected token. (e)

1446: syntax error - type tag expected after keyword enum

The parser has found an unexpected token. (e)

1454: type defined in return type (forgotten ";"?)

It is illegal to define a type in the function return type. (e)

```
struct foo {} bar()
```

1455: type definition in bad context

A type was defined where it was not allowed. (e)

1456: type definition in condition

Types cannot be defined in conditions. (e)

```
if (struct foo { int i } bar) {
    // ...
}
```

1457: type definition not allowed in argument list

Types cannot be defined in argument lists. (e)

```
int foo( struct bar int a; } barptr);
```

1460: type expected after new

A **new** expression requires a type. (e)

```
p = new;
```

1461: type expected for ...

No type found in declaration of a variable. (e)

1462: type expected in template parameter

This could indicate a misspelling of a **template** parameter. (e)

```
template<classT> ...;
```

1463: type expected in arg-declaration-clause

An argument type is missing in a function declaration. (e)

```
class bar {
    foo(imt);
}:
```

1464: type expected in cast

Found something that was not a type in a cast expression. (e)

1465: type expected

Found an expression that was not a type where a type was expected. (e)

1466: type in new expression can't be string

A type in a **new** expression cannot be **pascal** or **asm**.

1467: type in new expression may not contain class/struct/enum declarations

Cannot declare types in a **new** expression. Nor can the types used in a **new** expression be **const**, **volatile**, **pascal**, or **asm**. The type used must be completely specified and cannot have pure virtual functions. (e)

```
void *p = new enum foo { bar };
```

1469: unknown language string in linkage specifier: ...

Only "C" and "C++" allowed in linkage specifiers. (e)

```
extern "F77 { // Don't know anything about F77 linkage}
```

1477: already const

A variable was declared **const** more than once. (w)

```
int * const const foo;
```

1479: comma at end of enumerator list ignored

A superfluous comma at the end of a list of enumerators was ignored. (w)

```
enum foo { bar, };
```

1480: enumerators can't have external linkage

extern cannot be specified for enum declarations. (e)

```
extern enum foo { bar };
```

1481: function *function-name* **not declared**

If the **-Xforce-declarations** option is used, the compiler will generate this error message when a function is used before it has been declared. (w)

1484: missing declarator in typedef

No declarator was given in a typedef statement. (e)

```
typedef class foo {
    // ...
};
```

1485: old style function definition

A function was defined using the older K & R C syntax. This is invalid in C++. (w)

```
int foo(a, b)
int a, b
{
    ...
```

1486: initializer that is a brace-enclosed list may contain only constant expressions

A variable was initialized using a brace-enclosed list containing an expression (such as a variable) that cannot be evaluated during compilation.

```
int i = 12;
...
int x[] = { 1, 2, 3 , i };
```

This is allowed in C++ but not in C.

1488: redeclaration of parameter *identifier*

One of a function's parameters is shadowed by a declaration within the function, (w) if **-Xpcc** or **-Xk-and-r**, (e) otherwise.

```
f1(int a) { int a; ... }
```

1489: redundant semicolon ignored

Found an extra semicolon among the members of a function. (w)

```
class A {
    int a;
    ;
};
```

1492: virtual specified both before and after access specifier

```
Syntax error. (w)
```

```
class A {};
class B : virtual public virtual A {};
```

1493: redeclaration of ...

A function has been redeclared to something else. (e)

```
int i(int);
double i(int);
double i( int i) {...}
```

1494: non-extern object identifier of type type-designator must be initialized

This message may indicate that a **const** member of a class/structure/union was not initialized. (e)

```
class C {
    const int ci;
} c;
```

1495: non-extern const object name must be initialized

A **const** object must be initialized unless it is **extern**.

```
const char c;
```

1497: too many declaration levels

An internal stack overflowed. This is unlikely to happen in the absence of other errors. (f)

1498: internal table-overflow

Internal stack overflowed. May occur with extremely complex, deeply nested code. To work-around, simplify or modularize the code. If the problem does not appear to be a consequence of some earlier error, please report it to Customer Support. (f)

1500: function <function_name> has no prototype

The function *function_name* was used without a preceding prototype declaration. In C,

```
void f();
```

is a declaration but not a prototype declaration—it declares *f* to be a function but says nothing about the number or type of arguments it takes. This warning

is returned when an attempt has been made to use *f* without making a prototype declaration of it first.

This warning is returned only when the command line option **-Xforce-prototypes** is used. (w)

1501: function-pointer has no prototype

A function pointer was used but was declared to have a type that lacks a prototype. In C,

```
void (*f)();
```

declares f to be a function pointer but says nothing about the number or type of arguments it takes. This warning is returned when an attempt has been made to use f without making a prototype declaration of it first.

This warning is returned only when the command line option -Xforce-prototypes is used. (w)

1504: arglist in declaration

An old style function declaration is found in the wrong context. (w)

```
f1() { int f2(a,b,c); ... }
```

1507: end of memory

Ran out of virtual memory during compilation. The compiler first attempts to skip some optimizations in order to use less memory, however this error can occur for large functions on machines with limited memory. Note: initialized arrays require the compiler to hold all initial data and can contribute to this error. If the problem does not appear to be a consequence of some earlier error, please report it to Customer Support. (f)

1509: expression involving packed member too complicated

This indicates that the processor does not support "compound assignment" for volatile members of packed structures.

```
struct1.a |=3; // May have to use struct1.a = struct1.a | 3
```

1511: can't access short or int bit-fields in packed structures unless the architecture supports atomic unaligned accesses (-Xmin-align=1)

Packed structures cannot contain bit-fields unless the architecture support atomic unaligned access. To see if the architecture supports atomic unaligned access, compile a file with the **-S** option and then examine the **.s** assembly file. Look for the **-X93** option in the header. If **X93**=1, the architecture supports atomic unaligned access. (e)

```
#pragma pack(1)
struct S {
    int j:3;
}:
```

1513: byte swapped structures can't contain bit-field

Bit-fields are not allowed in byte-swapped structures. (e)

```
#pragma pack (,,1) // Byte swap
struct s {
   int j:3;
}
```

1515: profile information out of date

The file given with the **-Xfeedback** option is out of date or has an old format. Re-compile with the **-Xblock-count** option and create a new profiling file. (e)

1516: parameter parameter name is never used

A parameter to a function is not used. This message appears if the **-Xlint** option is used. (w)

```
fun(int i){};
```

1517: function function name is never used

A **static** function was declared but not used. This message appears if the **-Xlint** option is used. In the example, the file consists of one line. (w)

```
static fun();
```

For C89, inline functions return a different warning; see 1788: inline function inline_function is never used, p.57.

1518: variable identifier is never used

A variable is never used. This message appears if the **-Xlint** option is used. (w)

```
fun() {
     int i;
}
```

1519: expression not used

The compiler has detected all or part of an expression which will never be used. (w)

Note: the compiler will not issue this warning for an expression consisting solely of a reference to a volatile variable.

1520: large structure is used as argument

The size of a structure passed as an argument to a function equals or exceeds the size specified by **-Xstruct-arg-warning**. (This message is returned only when the command-line option **-Xstruct-arg-warning** is used.) (w)

1521: missing return expression

A function is defined with a return type, but does not return a value. This message appears if the **-Xlint** option is used. (w)

```
float fun(){
    return;
}
```

1522: statement not reached

A statement can never be executed. This message appears if the **-Xlint** option is used. (w)

```
main() {
    int never;
    return 0;
    never=6;
}
```

1523: can't recognize storage mode unknown

The storage mode specified in an **asm** macro is unknown. See the User's Guide for more information on embedding assembly code. (e)

1524: too many enhanced asm parameters

There can be a maximum of 20 parameters and labels used in an **asm** macro. See the User's Guide for more information on embedding assembly code..

1525: identifier identifier not declared

An identifier was not declared. (e)

```
fun(){
return i;
}
```

1526: asm macro line too long

A very long line was given in an **asm** macro. See the *User's Guide* for more information on embedding assembly code. (e)

1527: non-portable mix of old and new function declarations

A function declaration was made in accordance to an older C standard. In K & R C, **char**s and **short**s are promoted to **int**, and **float**s are promoted to **double** just before a call is made to a function. However, in ANSI C, the arguments match the prototype at the call site. (w)

1528: can't initialize variable of type *type_designator*

Some types do not allow initialization. (e)

```
void a = 1;
```

1534: only first array size may be omitted

The size of the first dimension of an array can be omitted; all others must be specified. (e)

```
int x[3][];
```

1535: illegal width of bit-field

A bit-field width is greater than the underlying type used for the bit-field. (e)

Example for a target with 32 bit integers:

```
struct { int i:33; }
```

1536: bit-field must be int or unsigned

The compiler detected an unsupported bit-field type. (e)

```
struct { float a:4; };
```

1541: redeclaration of struct/union/enum ...

A **struct**, **union**, or **enum** tag name was used more than once: (e)

```
struct t1 { ... }; struct t1 { ... };
```

1542: redeclaration of member variable name

A member has been declared more than once. (e)

```
struct{
    int i;
    int i;
};
```

1543: negative subscript not allowed

The size of an array cannot be negative. (e)

```
int ar[-10];
```

1544: zero subscript not allowed

An array of zero size cannot be declared when compiling for strict ANSI C (-X7=2, or -Xdialect-strict-ansi). (w)

```
int x[0];
```

1546: dangerous to take address of member of packed or swapped structure

Using the address of a packed or byte-swapped structure is not recommended. (w)

```
#pragma pack (2,2,1)
. . .
ptr = &(struct1.i);
```

1547: can't take address of object

Trying to take the address of a function, constant, or register variable that is not stored in memory. (e)

```
register int r; fn(&r);
```

1548: can't do sizeof on bit-field

The **sizeof** function does not work on bit-fields. (e)

```
struct {
    int j:3;
} struct1;
i = sizeof(struct1.j);
```

1549: illegal value

Only certain expressions can be on the left hand side of an assignment. (e)

```
a+b = 1;
(a ? b : c) = 2;  /* not valid in C modules*/
```

1550: can't push identifier

It is invalid to use an expression of type function or **void** as an argument. (e)

```
void *pv; int (*pf)(); fn(*pv,*pf);
```

1551: argument [identifier] type does not match prototype

The type of an argument to a function is not compatible with its type as given in the function's prototype. (w) if **-Xpcc** or **-Xk-and-r** or **-Xmismatch-warning**, (e) otherwise.

```
int f(char *), i; ... i = f(&i);
```

1552: initializer type "type" incompatible with object type "type"

The type of an initializer is not compatible with the type of the variable, (w) if **-Xpcc** or **-Xmismatch-warning**, (e) otherwise.

```
char c; int *ip = &c;
```

1553: too many errors, good bye

The compiler has found so many errors that it does not seem worthwhile to continue. (f)

1554: illegal type(s): *type-signatures*

The operators of an expression do not have the correct or compatible types, (w) if **-Xpcc** or **-Xk-and-r** or **-Xmismatch-warning**, (e) otherwise. This message may also indicate an attempt has been made to find the sum of two pointers.

```
int *pi, **ppi; ... if (pi == ppi) ...
#illegal types: ptr-to-int '==' ptr-to-ptr-to-int
int *p, *q;
p = p + q; // Attempt to add pointers
#illegal types: ptr-to-int '+' ptr-to-ptr-to-int
```

1555: not a struct/union reference

The left hand side of a "->" or "." expression is not of **struct** or **union** type. If **-Xpcc** is specified the offset of the given member name in another **struct** or **union** is used. (w) if **-Xpcc**, **-Xk-and-r**, or **-Xmismatch-warning**, (e) otherwise.

1556: volatile packed member cannot be accessed atomically

For the selected processor, a packed member cannot be accessed atomically if it is **volatile**. (w)

```
#pragma pack(1, 1)
struct {
    volatile int v;
} s;
s.v = 3;
    /* generates error 1556 */
```

1560: unknown pragma

The **pragma** is not recognized. (w)

```
#pragma tist
```

1561: unknown option -Xunknown

The compiler was started with an -X option that is not recognized. (w)

1562: bad #pragma use_section: section section name not defined

A **#pragma use_section** command has not been correctly given. (w)

```
#pragma section DATA3 // Correct
#pragma use_section x // Omitted section class name DATA3
```

1563: bad #pragma [name]

If issued without the *name*, the compiler did not recognize the pragma. If issued with a *name*, there is a problem with either the operands to the **pragma** or the context in which it appears. (w)

1564: bad #pragma pack

The **#pragma pack** statement is not correct. (w)

```
#pragma pack(1,2,3,4) // Takes up to three arguments
```

1565: illegal constant in #pragma pack

An invalid constant has been used in a pack pragma. (w)

```
#pragma pack(7) // Must use powers of 2 for alignment
```

1566 to 1572: obsolete messages

Messages numbered 1566 to 1572 should not appear because they refer to obsolete features.

1573: user's error string

Error number 1573 can be used to display any string the user chooses when

the compiler compiles this file, by use of **#pragma error** *string*:

```
#pragma error Now compiling test.c; // compilation continues
```

• the compiler stops because of an error, by use of **error** string:

```
#error // This terminates the compilation process
```

1574: can't open file for input

The given *file* cannot be opened. (f)

1575: can't open file for output

The given *file* cannot be opened. (f)

1577: can't open profiling file file

The file given with the **-Xfeedback**=*file* option cannot be opened. (w)

1578: profile file is of wrong version (file)

The file given with the **-Xfeedback** option is out of date or has an old format. Re-compile with the **-Xblock-count** option and create a new profiling file. (e)

1579: profile file file is corrupted

The file given with the **-Xfeedback** option is corrupted. Re-compile with the **-Xblock-count** option and create a new profiling file. (e)

1580: can't find current module in profile file ...

No data about the current source file is available in the profiling file. (w)

Possible causes:

- No function in the current file was actually executed during profiling.
- The profiling file belongs to another executable program.

1584: illegal declaration-attribute

A declaration contains an invalid combination of declaration specifiers. (w)

```
unsigned double foo;
```

1585: global register register name is already used

The global register has already been reserved. (w)

```
#pragma global_register counter = r14
#pragma global_register kounter = r14
```

1586: cannot use scratch registers for global register variables

Scratch registers cannot be used for global register variables. (w)

```
#pragma global_register counter=scratch-register-name
```

1587: global register register-name is invalid

Found an unrecognized register name in a **global_register pragma**. (w)

1588: no .cd file specified!

The target description (.cd) file was not specified.

The compiler reads a *target description file* during initialization (see the User's Guide). Normally, when the **dcc** command is given, the **.cd** file is automatically specified. To find out the **.cd** filename for your selected target configuration, run **dcc** with the **-#** option to display all of the commands generated, and look at the **-M** option for the **ctoa** program. (f)

Likely causes:

- The compiler is not installed properly.
- One of the compiler files has been deleted, hidden, or protected.
- The **dtools.conf** or other configuration file is incorrect.

1589: can't open .cd file!

See error 1588 for a description of the .cd file and likely causes.

1590: .cd file is of wrong type!

See error 1588 for a description of the .cd file and likely causes.

1591: .cd file is of wrong version!

See error 1588 for a description of the .cd file and likely causes.

1592: cd file file too small?!

See error 1588 for a description of the .cd file and likely causes.

1593: rite error

Write to output file failed. (f)

1595: illegal arg to function name

The compiler has detected an internal error. May result from other errors reported earlier. If the problem does not appear to be a consequence of some earlier error, please report it to Customer Support. (f)

1596: test version of compiler: File is too big!

This error is generated when certain limits in an evaluation copy of the compiler are exceeded. (f)

1597: test version of compiler: Can't continue!

This error is generated when certain limits in an evaluation copy of the compiler are exceeded. (f)

1598: no matching asm pattern exists

While scanning an **asm** macro, no storage-mode-line matching the given parameters was found. See the User's Guide for more information on embedding assembly code.

1599: expression too complex. Try to simplify

Can occur if an expression is too complex to compile. Should not happen on most modern processors. Can occur on a processor with few registers and no built-in stack support. (f)

1600: no table entry found!

The compiler has detected an internal error. May result from other errors reported earlier. If the problem does not appear to be a consequence of some earlier error, please report it to Customer Support. (f)

1601: address taken in initializer (PIC)

Position-independent code. A static initializer containing the address of a variable or string has been found when generating position-independent code. Such address values cannot be position-independent. (w) or (e) depending on whether **-Xstatic-addr-warning** or **-Xstatic-addr-error** is used.

1602: variable ... is incomplete

A variable is defined with a type that is incomplete. (e)

```
struct a;
struct a b;
```

1603: logic error in *internal-identification*

The compiler has detected an internal error. May result from other errors reported earlier. If the problem does not appear to be a consequence of some earlier error, please report it to Customer Support. (f)

1604: useless assignment to variable identifier. Assigned value not used

The variable assignment has no effect, since the assigned value is not used. This message appears if the **-Xlint** option is used. (w)

```
fun() {
    int i=1;
}
```

1605: not enough memory for reaching analysis

Certain optimizations, called "reaching analysis", will be skipped if the host machine cannot provide enough memory to execute them. The compiler continues, but produces less than optimal code. (w)

1606: conditional expression or part of it is always true/false

A conditional test is made, but the results will always be the same. This message appears if the **-Xlint** option is used. (w)

```
int main() {
    int i = 3;
    if (i < 6)
        return 4;
}</pre>
```

1607: variable name is used before set

During optimization, the compiler discovers a variable that is used before it is set. (w)

```
func() { int a; if (a == 0) ... }
```

1608: variable identifier might be used before set

A variable may have been used before it was given a value. (w)

1609: illegal option -Dinvalid_name

The preprocessor was invoked with the **-D** option and an invalid name. Names must start with a letter or underscore. (w)

1611: argument list not terminated

The end of the source file was found in a macro argument list. (w) if **-Xpcc**, (e) otherwise.

1612: EOF inside #if

The source file ended before a terminating **#endif** was found to match an earlier **#if** or **#ifdef**. If not caused by a missing **#endif**, then it is frequently caused by an unclosed comment or unclosed string. (w) if **-Xpcc**, (e) otherwise.

1617: syntax error in #if

The expression in an **#if** directive is incorrect, (w) if **-Xpcc**, (e) otherwise.

```
#if a *
```

1618: too complex #if expression

The expression in an **#if** directive overflowed an internal stack. This is unlikely to happen in the absence of other errors, (w) if **-Xpcc**, (e) otherwise.

1619: include nesting too deep

The preprocessor cannot nest header files deeper than 100 levels, (w) if **-Xpcc**, (e) otherwise.

1621: can't find header file unknown

The preprocessor cannot find a file named in an **#include** directive. (w) if **-Xpcc**, (e) otherwise.

1622: found #elif, #else, or endif without #if

Found an **#elif**, **#else**, or **#endif** directive without a matching **#if** or **#ifdef**. (w) if **-Xpcc**, (e) otherwise.

1623: bad include syntax

The **#include** directive is not followed by < or " or the filename is too long. (w) if **-Xpcc**, (e) otherwise.

1624, 1625: illegal macro name

illegal macro definition

Macro names and arguments must start with a letter or underscore, (w) if **-Xpcc**, (e) otherwise.

1626: illegal redefinition of macro_name

```
__LINE__, __FILE__, __DATE__, __TIME__, defined, and __STDC__ cannot be redefined, (w) if -Xpcc, (e) otherwise.
```

1627: macro macro name redefined

The macro was previously defined. (w)

```
#define PI 3.14
#define PI 3.1416
```

1629: undefined control

Undefined or unsupported directive found after #, (w) if -Xpcc, (e) otherwise.

```
#pragmo
```

1630: illegal assert name

An **#assert** name must be an identifier and must be preceded by a "#" character, (w) if **-Xpcc**, (e) otherwise.

1631: macro *identifier*: argument mismatch

Either too few or too many arguments supplied when using a macro, (w) if **-Xpcc**, (e) otherwise.

```
#define M(a,b) (a+b)
i = M(1,2,3);
```

1632: recursive macro macro name

A recursive macro has been detected. The error occurs when the macro substitution occurs, line 4 in this case: (e)

```
#define max(A,B) A>B ? A : max(A,B)
main() {
    int i=1,j=2,k;
    k = max(i,j); // Reports error for this line.
}
```

1633: parse error

The complier was not able to parse the expression. (e)

```
x = multiply(y, ); // Comma, but no second argument main() // Typed } instead of )
```

1635: license error: error message

An error occurred when checking the license for the software tools. The error message describes the problem (no server for this feature, etc.). Please refer to your *Getting Started* manual or contact Customer Support. (f)

1638: illegal error level *error level* **in option** *option name*

The **-e***xn* option was used with an invalid error level. The **-e** option is used for increasing the severity of error messages for a particular error. (w)

```
dcc -e99 test.c // 99 is invalid error level
```

1640: illegal error message number message number

The **-e**xn option was used with an invalid error message number. The **-e** option is used for increasing the severity of error messages for a particular error. (w)

```
dcc -ew10000 test.c // There is no message number 10000
```

1641: cannot reduce severity of error message number below error level

```
% dcc -ew1614 test.c
warning (dcc:1641): Cannot reduce severity
of message 1641 below "error"
```

1643: narrowing or signed-to-unsigned type conversion found: *type* to *type*

A type conversion from signed to unsigned, or a narrowing type conversion has been found. This message appears if the **-Xlint** option is used. (w)

```
main() {
    int i;
    char c;
    c = i;
}
```

1647: non-string method invocation expression on string object expression

This error indicates a mismatch between an invocation and the declaration of a method.

For example, non-const method invocation in const object. Methods of const objects must be const.

```
class C {
    int i;
public:
    f() { i = 12; }
    C() {}
};

const C c;

main() {
    c.f();
}
```

```
"x.cpp", line 11: error (1647): non-const method invocation f() on const object c
```

1650: no profiling information found in database *database name*

This applies to programs compiled and run in the RTA (Run-time Analysis tools). (w)

A program was compiled with the option **-Xprof-feedback**=*database directory*, and the profiling information was not found in the database directory. The normal sequence of events is:

- a. A program is compiled with an **-Xprof**-type option that adds profiling code to the program.
- b. The program is run and profiling information is collected using the RTA.
- c. The program is compiled with the **-Xprof-feedback** option, and the compiler uses the profiling information to optimize the code.

Possible causes of the error:

- The wrong database directory was specified.
- The database does not contain profiling data.

1651: can't find profiling information for function in database

A program was compiled with the option **-Xprof-feedback**=*database directory*, and the profiling information was not found for the function. See error 1650, above, for a brief explanation of the situations where this error occurs. (w)

Possible causes of the error:

- The module was not compiled with an -Xprof-type option that would add code for instrumentation.
- The program was not run; so profiling data was not collected.

1657: initializer *method name* **initializes neither a direct base nor a member** Only classes that are direct bases or **virtual** bases can be used in a member initializer. (e)

```
struct A { A(int); };
struct B : public A { B(int); };
struct C : public B {
    C(int i) : A(i) {} // Can't initialize A here
};
```

1663: inline of *function* does not occur in routine function - try increasing value of -Xinline

This warning is generated whenever the **inline** keyword is specified but the compiler does not inline the function. Increasing the value of **-Xinline** or **-Xparse-size** can help, but there are other reasons for not inlining a function.

1665: long long bit-fields are not supported

long long cannot be used with bit-fields. (w)

```
struct {
   long long story:3;
}
```

1671: non-portable behavior: operands of *type* are promoted to unsigned type only in non-ANSI mode

When a non-ANSI compilation mode is used, for example, **-Xpcc**, this warning appears when the compiler selects an unsigned integral type for an expression which would have been signed under ANSI mode. This message appears if the **-Xlint** option is used. Use **-Xlint**=0x200 to suppress this message. (w)

1672: scope of tag tag is only this declaration/definition

The tag referred to in a parameter list does not have a prior definition. (w)

```
/* struct bar does not have a definition before this point */
foo(struct bar a);
```

1674: template argument argument should be pointer/reference to object with external linkage

Arguments for template functions need to be pointers or references to objects with external linkage. (e)

```
template <class T, int& Size>
class Base {
    ....
};

class A {
    ...
};

static int local_linkage_int;

Base<A, local_linkage_int> ob;
```

1675: sizeof expression assumed to contain type-id (use "typename")

When a **type-id** is used in a **sizeof** expression, the compiler assumes that this is intended; otherwise a typename should be used instead. (w)

cannot be instantiated. (i)

1676: class *class* **is abstract because it doesn't override pure virtual** *function* A class that has un-overridden pure virtual functions is an "abstract class" and

1677: executable *executable name* **not found in profiling database** *database name* This applies to programs compiled and run in the RTA (Run-time Analysis tools). (w)

The specified executable was not found.

1678: snapshot *snapshot name* **not found in profiling database** *database name* This applies to programs compiled and run in the RTA (Run-time Analysis tools). (w)

The snapshot containing profiling information was not found.

1679: no definition found for inline function function

The template member function referred to has no definition. (w)

1680: delete called on incomplete type type

The **delete** operator is called on a pointer to a type whose full declaration has been deferred. (w)

1682: "(unsigned) long long" type is not supported by the ANSI standard

The ANSI standard does not support the **long long** type. (w; future error)

```
long long x;
```

1683: non-int bit-fields are not supported by the ANSI standard

The ANSI standard allows bit-fields of integer type only. (w; future error)

```
struct foo {
    char x:2;
};
```

1696: intrinsic function name must have n argument(s)

The number of arguments passed to an intrinsic function is incorrect. (e)

```
int a, b;
...
a = __ff1(a, b);
```

1697: invalid types on arguments to intrinsic function name

An argument of an invalid type is passed to an intrinsic function. (e)

```
char *ptr;
int a;
...
a = __ff1(ptr);
```

1700: implicit intrinsic function name must have n argument(s) - when the intrinsic is enabled, optional user prototype must match

When an enabled intrinsic function is redefined, the number of arguments must be the same. (e)

```
unsigned int __ff1(unsigned int x, unsigned int y) {  \cdots } \}
```

1701: invalid types on prototype to intrinsic function name - when the intrinsic is enabled, optional user prototype must match

When an enabled intrinsic function is redefined, the prototypes must match.

(e)

```
unsigned int __ff1(int a)
{
    ...
}
```

1702: prototype return type of intrinsic function name should be type - when the intrinsic is enabled, optional user prototype must match

When an enabled intrinsic function is redefined, the return type must match.

(e)

```
void __ff1(unsigned int a)
{
    ...
}
```

1703: function name matches intrinsic *function name* - rename function or disable the intrinsic with -Xintrinsic-mask

A function with the same name as an intrinsic function has been defined. The function should be renamed or intrinsic functions should be disabled. (w)

```
unsigned int __ff1(unsigned int x)
{
    ...
}
```

1704: structure or union cannot contain a member with an incomplete type

Structures or unions should not contain fields of incomplete type. (w; future error)

```
struct x
{
    void a;
};
```

1707: invalid pointer cast/assignment from/to _X mem/_Y mem

The pointer assignment is invalid because it is between locations in two different memory banks. (e)

1708: cannot take address of an intrinsic function

An intrinsic function, which represents a specific CPU instruction, has no location in memory.

1709: unsupported GNU Extension: inline assembler code

The compiler does not translate extended GNU inline assembler syntax (such as register usage specification). (e)

1710: macro macroname: vararg argument count does not match. expected n or more but given m

Too few arguments are passed to a **vararg** macro. (w)

```
#define TEST_INFO_1(fmt, val, ...) printf(fmt, val, __VA_ARGS__)
...
TEST_INFO_1("val1 = %d, val2 = %d", 12);
```

1711: undefined identifier identifier used in constant expression

An undefined macro name occurs in a **#if** preprocessor directive. To disable this warning, use **-Xmacro-undefined-warn**. (w)

```
#if (FooDef1 == FooDef2)
# ...
#endif
```

1712: only vector literals may be used in vector initializations

Vectors can be initialized only with vector constants. (e)

```
vector int a[2] = \{1, 2\};
```

1713: invalid assert name name

1714: invalid macro name name

1715: no input file given

1716: memory unavailable

1717: unterminated comment

1718: unterminated character or string constant

1719: duplicate parameter name param in macro macro

1720: implicit include file "file" not found

1721: missing ">" in '#include <filename> syntax"

1722: junk after "#include <filename>"

1723: junk after "#include "filename"

1724: "#include" expects <filename> or "filename"

1725: #if nesting too deep

1726: #include file nesting too deep. possible recursion

1727: unmatched *condition*. **block starts on line** *n*

1728: unmatched condition

1729: unbalanced condition

1730: undefined control after *expr*

1731: EOF inside #... conditional

1732,

1733: illformed macro parameter list in macro macro

1734: invalid macro name name

1735: invalid argument to macro

1736: illformed macro invocation

1737: invalid assert name name

1738: "##" at start of macro definition

1739: "#" precedes non macro argument name or empty argument

1740: macro macro: argument count does not match. expected n but given m

1741: redefinition of macro "macro". previously defined here

1742: predefined macro macro redefined

1743: empty token-sequence in "#assert"

1744: no closing ")" in "#assert"

1745: garbage at the end of "#assert"

1746: invalid number in #line

1747: only a string is allowed after #line <num>

1748: string expected after #error

1749: string expected after #ident

1750: # directive not understood

1751: "defined" without an identifier

1752: no closing ")" in "defined"

1753: bad digit in number

1754: bad number in #if...

1755: floating point number not allowed in #if...

1756: wide character constant value undefined

1757: undefined escape sequence in character constant

1758: empty character constant

1759: multi-character character constant

1760: octal character constant does not fit in a byte

1761: hex character constant does not fit in a byte

1762: character constant taken as unsigned

1763: garbage at the end of condition argument

1764: illegal identifier identifier in condition

1767: can't find include file file in the include path

1768: invalid "vector bool" constant, valid values 0, 1 or -1

1769: the called object is not a function

1770: array is too large

There is a physical limitation on the amount of space that can be allocated for an array. (e)

1771: reserved identifiers "__FUNCTION__" and "__PRETTY_FUNCTION__" may only be used inside a function

The special identifiers __FUNCTION__ and __PRETTY_FUNCTION__, which return the name of the current function, can be used only within a function. (e)

1772: possible redundant expression

The compiler has encountered a valid but redundant operation, such as **x**&**x**. This message appears if the **-Xlint** option is used. (w)

1773: quoted section name cannot be empty, set to: default name

Quoted section names cannot be empty ("" or " "). For example,

```
.section " ",4,rx
will be changed to:
.section "default_section_name",4,rx
where the default section name is determined by context. (w)
```

1774: asm macro must be completed with "}" in the very first position

An **asm** macro must conclude with a right brace ("}") in the first column of a new line. The example below shows a valid **asm** macro. (e)

```
asm void setsr (unsigned short value)
{
%mem value;
    move.w value,d0
    move.w d0,sr
}
```

1775: deprecated use of constructor/destructor ignored, use attribute keyword

The compiler encountered an initialization or finalization function declared with the obsolete prefix _STI__nn_ or _STD__nn_. Use the __attribute__ keyword to identify initialization and finalization functions, or specify -Xinit-section=2 to use old-style initialization and finalization sections. (f)

1776: constructor/destructor priority out of range (number)

The specified priority is out of range. The default range is 0-65535; but if **-Xinit-section=2** is enabled, the range is 0-99. (e)

1777: default constructor/destructor priority out of range, setting to lowest

The priority for default constructors and destructors has been set with **-Xinit-section-default-pri** to a value that is out of range. The default range is 0-65535; but if **-Xinit-section=2** is enabled, the range is 0-99. (w)

1778: option -Xc++-old is deprecated and dtoa will be removed in a future release

-Xc++-old, which invokes an obsolete version of the C++ compiler, will not be supported indefinitely. Legacy projects should be ported to the latest C++ compiler. See the User's Guide for more information. (w)

1779: CODE section without execute access mode: section-name

A CODE section has been created with a specified access mode that does not include execute permission. For example:

```
#pragma section CODE ".SOME_CODE_SECTION" RW far-code
```

In this example, **RW** (read-write) is not a valid access mode, since a **CODE** section must allow execution. **X** (execute) should be added to the access mode. (e)

1780: non-int bitfields not allowed in packed structures

Bit-fields of type **char** or **short** are nonstandard. Depending on the compilation target, such bit-fields can result in faulty code when they occur in packed structures. For example:

```
struct {
    ...
    unsigned short foo:11;
    ...
} __attribute__((packed)) struct1
```

Replace **unsigned short** with **int**. (e)

1788: inline function inline_function is never used

A **static** function was declared as **inline** but was not called. This message appears if the **-Xlint** option is used.

This warning appears for C89 code only. Note that for C89, the function must be declared using **#pragma inline** and compiled using optimization (**-XO**). For more information, see also 1517: function function name is never used, p.38, and the sections on inline pragmas in the User's Guide. (w)

1793: conflicting types for section section:

An attempt has been made to mix types of information in a single object-file section; for example, constant data (such as a string constant) into a section reserved for code or variables.

In this example, the compiler assumes from the first statement that the section .mydata is intended to be of the DATA section class, whereas the second statement assumes that .mydata will be a CONST section class:

```
__attribute__((section(".mydata"))) int var = 1;
__attribute__((section(".mydata"))) const int const_var = 2;
```

1794: expensive optimizations disabled for function '%0s': size (%1d) > size specified with -Xopt-limit (%2d)

1795: Semicolon found in assembly statement but neither -Xsemi-is-newline nor -Xsemi-is-comment has been specified

1796: __thread not supported in the specified target environment

1797: thread variable used in initializer

2000: undeclared identifier: %0L

2001: invalid assignment conversion: %1L to %0L

2002: value %0d out of range for byte

2003: value %0d out of range for char

2004: value %0d out of range for short

2005: value out of range for int

2006: value out of range for long

2007: type does not allow const initializer

2008: %0L is an invalid type for assignment/initialization/case of int variable

2009: type of initializer value must be integral

2010: float cannot be initialized with a double

2011: char must be initialized with a char or integer literal

2012: type on question test must be boolean

2013: casts to and from boolean not allowed

2014: casts between primitive and reference types not allowed

2015: undeclared type: %0s

2016: redeclaration of %0K

2017: ambiguous reference to field %0s: defined in interface %1s and interface

%2s

2018: ambiguous reference to field %0s: defined in super %1s and interface %2s

2019: invalid type for new expression: %0L: must be a reference type

2020: undeclared method: %0L

2021: cannot assign primitive type to reference type

2022: invalid assignment conversion : %1K is not a subclass of %0K

2023: invalid assignment conversion: %1K does not implement %0K

2024: invalid assignment conversion: %0K is not a super-interface of %1K

2025: invalid assignment conversion: interfaces can only assign to class Object

2026: new type must be a class or array

2027: number of parameters must match definition for method %0K

2028: parameter type mismatch: %1L does not convert to %0L

2029: casts to null type not allowed

2030: null to primitive casts not allowed

2031: invalid cast: %1K is not a subclass of %0K nor vice versa

2032: invalid cast: %1K cannot implement %0K

2033: comparison operand type must be numeric

2034: cannot do (in)equality comparison between primitive and reference types

2035: bitwise complement operand must be integral

2036: logical complement operand must be boolean

2037: unary operand must be numeric

2038: binary operand must be numeric

2039: bad type on bitwise/logical operand

2040: logical operand type must be boolean

2041: shift operand type must be integral

2042: conditional expression must be boolean

2043: conditional expression in DO statement must be boolean

2044: conditional expression in FOR statement must be boolean

2045: cannot assign class type to an array type

2046: cannot assign interface type to an array type

2047: Object is the only class arrays can assign to

2048: Cloneable is the only interface arrays can assign to

2049: Base types of arrays must exactly match if one is a primitive type for

assignment

2050: Base types of arrays must exactly match if one is a primitive type for

casting

2051: only class Object can cast to an array type

2052: array only casts to classes Object and String

2053: Cloneable is the only interface arrays can cast to

2054: illegal cast from interface type to array type

2055: array access on non-array type

2056: EOF in comment

2057: EOF in character constant

2058: EOF in string constant

2059: line terminator in character constant

2060: line terminator in string constant

2061: empty character constant

2062: missing ending single quote in character constant

2063: illegal escape character: %0s

2064: illegal hex constant

2065: illegal octal constant

2066: illegal character: %0s

2067: non-zero float value rounded to zero

2068: floating point value (%0s) out of range

2069: option %0s ignored

2070: empty file

2071: duplicate modifier

2072: invalid field modifier: %0s

2073: only one access(protected, private, public) modifier is allowed

2074: invalid constant(interface) field modifier: %0s

2075: invalid method modifier: %0s

2076: invalid abstract method modifier: %0s

2077: invalid constructor modifier: %0s

2078: invalid class modifier: %0s

2079: invalid interface modifier: %0s

2080: field cannot be both volatile and final

2081: cannot assign to final class variable %0K in a method

2082: this or super cannot occur in static scope

2083: abstract method cannot also be %0s

2084: abstract method must be in an abstract class

2085: %0s method cannot have a body. It should be specified only with a;

2086: missing body. If a method is neither abstract nor native, it must have a body

2087: missing type on method %0s in class %1s

2088: final variable %0K must be initialized

2089: cannot create an instance of abstract class %0K

2090: super class %0K must be a class

2091: cannot extend final super class %0K

2092: class cannot be abstract and final

2093: implements class %0K is not an interface

2094: only one public class per compilation unit allowed

2095: Cannot use instance variable %0K in static initialization

2096: Explicit this/super must be first statement of a constructor

2097: invalid cast: %0K cannot implement %1K

2098: extra semicolon. Ignored

2099: abstract method %0K not implemented in class %1K

2100: interface method %0K in interface %1K not implemented

2101: Cannot access private member %0s of base class %1K

2102: Cannot call super class constructor %0s by name

2103: Cannot hide static final method %0K of super class %1K

2104: Cannot override static method %0K of super class %1K with an instance method

2105: Cannot override instance method %0K of super class %1K with a static method

2106: Cannot override final method %0K of super class %1K

2107: Access on overriding method %0K must be at least as great as that of the overridden method in %1K

2108: Cannot change method return types in override method %0K from %1K

2109: Cannot override default access method %0K of super class %1K with a private method

- 2110: Cannot override public access method %0K of super class %1K with a non-public method
- 2111: Protected access method %0K of super class %1K can only be overridden with a protected or public method
- 2112: interface method %0K of interface %1K cannot be implemented with a static function
- 2113: interface method %0s of interface %1s has different return type than interface %2s
- 2114: Cannot override abstract method %0s of interface class %1s in class %2s with a static method
- 2115: static %0K cannot be initialized in an instance initializer block
- 2116: Constructor cannot call itself
- 2117: A static initializer cannot contain a return statement
- 2118: A constructor cannot contain a return with an expression
- 2119: Cannot invoke the private constructor/method %0K of class %1L
- 2120: Cannot invoke the protected constructor/method %0K of class %1L
- 2121: Constructor for class %0K not found
- 2122: Array index must be type int or promotable to int
- 2123: Subscript type must be int or promotable to int
- 2124: Array initializer for non-array type %0L: extra braces
- 2125: continue/break identifier not in the scope of a defined label
- 2126: continue/break label does not exist in this scope
- 2127: break must be nested within a for, do, while, or switch
- 2128: continue must be nested within a for, do, or while
- 2129: same label %0s cannot be nested within itself
- 2130: switch expression must be char, byte, short, or int
- 2131: only one default allowed per switch
- 2132: case value must be constant
- 2133: duplicate case value %0d
- 2134: return must have an expression if method is declared to return a value

2135: void method cannot return an expression

2136: return expression type %1L is not assignable to return type %0L

2137: synchronized expression must be a reference type

2138: missing expression in synchronized statement

2139: field %0K not found in type %1L

2140: ambiguous invocation of method %0K

2141: cannot invoke instance method %0K from inside a static method

2142: pre or post in(dec)rement must be to a variable of numeric type

2143: cannot cast to or from void type

2144: (in)equality comparison with a boolean must be with another boolean

2145: (in)equality operand cannot be a void method

2146: colon operand cannot be a void method

2147: colon operand cannot be a mix between primitive and reference types

2148: colon operands cannot mix a boolean and a non-boolean

2149: one side of colon operator must be assignable to other side

2150: left operand of instanceof must be a reference type or null

2151: right operand of instanceof must be a reference type

2152: (in)equality reference operands must be castable to each other in at least one direction

2153: Right instanceof operand must be castable to the left operand type

2154: Final is the only modifier allowed on local variable declarations

2155: invalid cast from %0K to %1K: they share a method with different return types

2156: Final is the only modifier allowed on formal parameter declarations

2157: internal error message problem

2158: local variable %0K is not definitely initialized

2159: unreachable statement

2160: statement(s) inside while false will not be reached

2161: for expression is false so statement(s) will not be reached

2162: import %0s not found

2163: class %0L is ambiguous: it is defined in multiple package imports: %1L and %2L

2164: cannot open dependency file %0L

2165: cannot call abstract method %0K

2166: a non-void method must have a return at all exit points

2167: instance %0K cannot be referenced before construction

2168: Constructor cannot create a call chain cycle with other constructors of its class

2169: public interface method %0K in interface %1K must implemented with a public method

2170: extension .java missing for file name %0s

2171: cannot create dependency file %0s

2172: class java.lang.Object cannot have super

2173: no public class found in compilation unit

2174: circular super class hierarchy for class %0s

2175: circular interface hierarchy for interface %0K

2176: local variable %0K is not final

2177: cannot qualify %0K: it is the basic type %1L

2178: invalid forward reference in initializer to %0K

2179: throw expresson must be assignable to java.lang.Throwable

2180: throws type %0K must be assignable to java.lang.Throwable

2181: throw type %0K must be caught in an enclosing catches clause or be declared in the method's throws clause

2182: method %0K cannot have throw class %2K if it is not thrown in the hidden/overridden method in class %1K

2183: %0L is not a public class

2184: %0L is also a class or interface

2185: %0L is also a package

2186: redeclaration of %0L: a class or identifier can only be declared once per package (remove unnecessary .class files)

2187: cannot open source file %0L

2188: instance %0K cannot be used in a static method or static initializer block

2189: Cannot reference the private field %0K of class %1L

2190: Cannot reference the protected field %0K of class %1L

2191: Cannot reference the default access field %0K of class %1L from another package

2192: Cannot invoke the default access constructor/method %0K of class %1L from another package

2193: interface %1K of package %0L needs to be public to be accessible outside of its package

2194: invalid forward reference in static initializer to %0K

2195: interface %0K is duplicated in a single implements clause

2196: ambiguous reference to method %0s : defined in interface %1s and interface %2s

2197: ambiguous reference to method %0s : defined in super %1s and interface %2s

2198: catch type %0L must be assignable to java.lang.Throwable

2199: catch clause not reachable

2200: cannot invoke non-static method %0K.%1K with a MethodName of the form TypeName . Identifier

2201: cannot reference non-static field %0K.%1K with an ExpressionName of the form TypeName . Identifier

2202: parse error processing SwitchBlock: skipping to end of switch: switch block must begin with a label

2203: invalid dimension expression

2204: invalid synchronized expression

2205: invalid class name

2206: invalid method name

2207: invalid field name

2208: invalid type name

2209: parse error processing: skipping to next semi-colon

2210: invalid array initializer: missing or invalid terms

2211: invalid class member: skipping to next semi colon

2212: tokens after end of compilation unit

2213: invalid import declaration

2214: missing parenthesis in method header

2215: missing comma in parameter list

2216: skipping to end of parameter list

2217: an interface method declaration cannot have an implementation

2218: interface cannot have static initializer

2219: invalid while expression

2220: invalid do while expression

2221: invalid for update

2222: invalid for expression

2223: invalid for initializer

2224: invalid for construct: skipping to right parenthesis

2225: invalid while statement

2226: invalid do while statement

2227: invalid for statement

2228: parse error: skipping to end of block

2229: parse error: skipping to end of class body

2230: this or super cannot occur in interface scope

2231: static method %0K not allowed in inner class

2232: static field not allowed in inner class

2233: Can't make a reference from a static inner class to non-static %0K

2234: the outer local/parameter %0K must be declared final for an inner class

reference

2235: ambiguous reference to %0K: either preface it with this. to refer to the outer field or rename the outer local

2236: a super from a constructor derived from an inner class must be qualified with a reference to the super's outer class

2237: only calls to inner class supers should be qualified

2238: a qualified super should be qualifed with a reference to the super's outer class %1K, not %0K

2239: invalid block nested class modifier: %0s

2240: inner class name %0L cannot match any outer class names

2241: A instance initializer cannot contain a return statement

2242: circularity error: super class name %0L cannot match any outer class names

2243: cannot call super class constructor from Object since it has no super class

2244: blank final variable %0K can be initialized once and only once along any execution path

2245: cannot assign to final qualified field %0K.%1K

2246: cannot assign multiple times to class final %0K

2247: static %0K cannot be initialized in a constructor

2248: instance %0K should only be initialized in constructors that don't make explicit this calls

2249: cannot modify final parameter %0K

2250: interface type %0K can only be used as a new type as part of an ambiguous class declaration

2251: ambiguous class that implements interface type %0K must have an empty argument list since its superclass is Object

2252: cannot create default constructor for class %1K since super's constructor thrown exception %0K must be handled

2253: target implementation does not support long data type: using int instead

2254: seek failure for dependency in archive %0L

2255: this qualifier %0K must be an outer class

2256: new of an inner type %0K must be qualified with an instance of the outer type %1K

2257: inner class %2K cannot inherit a static %0K from interface %1K

2258: Only the first main function will be used as the entry point

2259: unrecognized pre-processor directive %0s

2260: verification error: %0s

2261: invalid directory for -d: %0s: cannot create

2262: cannot create package file %0s for package %1s

2263: cannot find needed constructor in class %0K

2264: missing argument list (parentheses) in new invocation

2265: throws expression must be comma separated list of classes: expecting '{'

2266: class %0L must be public to be accessed from another package

2267: primary expression must be of type %1K to correspond with the enclosing class of the 'new' type %0K

2268: primary expression must be of an enclosing type of 'new' type %0K

2269: inner class import not found for %0L

2270: cannot import %0L: it's not a class

2271: public class %0L must be defined in a file called %1L.java

1.2.2 Messages Generated by etoa

The messages in this section are generated by **etoa**, which is the default frontend for C++, and which may be invoked for C with the **-Xc-new** option. To use the legacy C++ compiler, **dtoa**, use the **-Xc++-old** option. Messages generated by **dtoa** and the default C compiler, **ctoa**, are listed beginning on page 3.

No further documentation is currently available for these messages. If a message if unclear, contact Customer Support.

The severity of some C++ diagnostics (information, warning, error, or fatal) varies according to the circumstances under which the message is generated.

4000: unknown error

4001: last line of file ends without a newline

4002: last line of file ends with a backslash

4003: #include file "xxxx" includes itself

4004: out of memory

4005: could not open source file "xxxx"

4006: comment unclosed at end of file

4007: unrecognized token

4008: missing closing quote

4009: nested comment is not allowed

4010: "#" not expected here

4011: unrecognized preprocessing directive

4012: parsing restarts here after previous syntax error

4013: expected a file name

4014: extra text after expected end of preprocessing directive

4015: "xxxx" is not a file containing source text

4016: "xxxx" is not a valid source file name

4017: expected a "]"

4018: expected a ")"

4019: extra text after expected end of number

4020: identifier "xxxx" is undefined

4021: type qualifiers are meaningless in this declaration

4022: invalid hexadecimal number

4023: integer constant is too large

4024: invalid octal digit

4025: quoted string should contain at least one character

4026: too many characters in character constant

4027: character value is out of range

4028: expression must have a constant value

4029: expected an expression

4030: floating constant is out of range

4031: expression must have integral type

4032: expression must have arithmetic type

4033: expected a line number

4034: invalid line number

4035: #error directive: *xxxx*

4036: the #if for this directive is missing

4037: the #endif for this directive is missing

4038: directive is not allowed -- an #else has already appeared

4039: division by zero

4040: expected an identifier

4041: expression must have arithmetic or pointer type

4042: operand types are incompatible (*type* and *type*)

4043: expression must have integral or pointer type

4044: expression must have pointer type

4045: #undef may not be used on this predefined name

4046: this predefined name may not be redefined

4047: incompatible redefinition of macro entity

4048: cast between pointer-to-object and pointer-to-function

4049: duplicate macro parameter name

4050: "##" may not be first in a macro definition

4051: "##" may not be last in a macro definition

4052: expected a macro parameter name

4053: expected a ":"

4054: too few arguments in macro invocation

4055: too many arguments in macro invocation

4056: operand of sizeof may not be a function

4057: this operator is not allowed in a constant expression

4058: this operator is not allowed in a preprocessing expression

4059: function call is not allowed in a constant expression

4060: this operator is not allowed in an integral constant expression

4061: integer operation result is out of range

4062: shift count is negative

4063: shift count is too large

4064: declaration does not declare anything

4065: expected a ";"

4066: enumeration value is out of "int" range

4067: expected a "}"

4068: integer conversion resulted in a change of sign

4069: integer conversion resulted in truncation

4070: incomplete type is not allowed

4071: operand of sizeof may not be a bit field

4072: operand of "&" may not be a constant

4073: operand of "&" in an initializer must be static

4074: invalid operand of "&"

4075: operand of "*" must be a pointer

4076: argument to macro is empty

4077: this declaration has no storage class or type specifier

4078: a parameter declaration may not have an initializer

4079: expected a type specifier

4080: a storage class may not be specified here

4081: more than one storage class may not be specified

4082: storage class is not first

4083: type qualifier specified more than once

4084: invalid combination of type specifiers

4085: invalid storage class for a parameter

4086: invalid storage class for a function

4087: a type specifier may not be used here

4088: array of functions is not allowed

4089: array of void is not allowed

4090: function returning function is not allowed

4091: function returning array is not allowed

4092: identifier-list parameters may only be used in a function definition

4093: function type may not come from a typedef

4094: the size of an array must be greater than zero

4095: array is too large

4096: a translation unit must contain at least one declaration

4097: a function may not return a value of this type

4098: an array may not have elements of this type

4099: a declaration here must declare a parameter

4100: duplicate parameter name

4101: "xxxx" has already been declared in the current scope

4102: forward declaration of enum type is nonstandard

4103: class is too large

4104: struct or union is too large

4105: invalid size for bit field

4106: invalid type for a bit field

4107: zero-length bit field must be unnamed

4108: signed bit field of length 1

4109: expression must have (pointer-to-) function type

4110: expected either a definition or a tag name

4111: statement is unreachable

4112: expected "while"

4113: this use of a default argument is nonstandard

4114: *entity-kind "entity"* **was referenced but not defined**

4115: a continue statement may only be used within a loop

- 4116: a break statement may only be used within a loop or switch
- 4117: non-void entity-kind "entity" should return a value
- 4118: a void function may not return a value
- 4119: cast to type "type" is not allowed
- 4120: return value type does not match the function type
- 4121: a case label may only be used within a switch
- 4122: a default label may only be used within a switch
- 4123: case label value has already appeared in this switch
- 4124: default label has already appeared in this switch
- 4125: expected a "("
- 4126: expression must be an lvalue
- 4127: expected a statement
- 4128: loop is not reachable from preceding code
- 4129: a block-scope function may only have extern storage class
- 4130: expected a "{"
- 4131: expression must have pointer-to-class type
- 4132: expression must have pointer-to-struct-or-union type
- 4133: expected a member name
- 4134: expected a field name
- 4135: entity-kind "entity" has no member "xxxxx"
- 4136: entity-kind "entity" has no field "xxxxx"
- 4137: expression must be a modifiable lvalue
- 4138: taking the address of a register variable is not allowed
- 4139: taking the address of a bit field is not allowed
- 4140: too many arguments in function call
- 4141: unnamed prototyped parameters not allowed when body is present
- 4142: expression must have pointer-to-object type
- 4143: program too large or complicated to compile

4144: a value of type "type" cannot be used to initialize an entity of type "type" **4145:** *entity-kind "entity"* **may not be initialized** 4146: too many initializer values 4147: declaration is incompatible with entity-kind "entity" (declared at line xxxx) 4148: entity-kind "entity" has already been initialized 4149: a global-scope declaration may not have this storage class 4150: a type name may not be redeclared as a parameter 4151: a typedef name may not be redeclared as a parameter 4152: conversion of nonzero integer to pointer 4153: expression must have class type 4154: expression must have struct or union type 4155: old-fashioned assignment operator 4156: old-fashioned initializer 4157: expression must be an integral constant expression 4158: expression must be an Ivalue or a function designator 4159: declaration is incompatible with previous "entity" (declared at line xxxx) 4160: name conflicts with previously used external name "xxxx" 4161: unrecognized #pragma 4162: expression must have arithmetic, pointer, or void type 4163: could not open temporary file "xxxx" 4164: name of directory for temporary files is too long ("xxxx") 4165: too few arguments in function call 4166: invalid floating constant 4167: argument of type "type" is incompatible with parameter of type "type" 4168: a function type is not allowed here 4169: expected a declaration 4170: pointer points outside of underlying object 4171: invalid type conversion

4172: external/internal linkage conflict with previous declaration

4173: floating-point value does not fit in required integral type

4174: expression has no effect

4175: subscript out of range

4176: constant string subscript out of range

4177: entity-kind "entity" was declared but never referenced

4178: "&" applied to an array has no effect

4179: right operand of "%" is zero

4180: argument is incompatible with formal parameter

4181: argument is incompatible with corresponding format string conversion

4182: could not open source file "xxxxx" (no directories in search list)

4183: type of cast must be integral

4184: type of cast must be arithmetic or pointer

4185: dynamic initialization in unreachable code

4186: pointless comparison of unsigned integer with zero

4187: use of "=" where "==" may have been intended

4188: enumerated type mixed with another type

4189: error while writing xxxx file

4190: invalid intermediate language file

4191: type qualifier is meaningless on cast type

4192: unrecognized character escape sequence

4193: zero used for undefined preprocessing identifier

4194: expected an asm string

4195: an asm function must be prototyped

4196: an asm function may not have an ellipsis

4197: asm may only be used to declare a function

4198: an asm function may not have a storage class

4199: asm return value size does not match function return type

4200: asm parameter size does not match function parameter size

4201: expected a "%"

4202: invalid combination of asm control specifiers

4203: extra text after expected end of asm control line

4204: expected an asm control specifier

4205: this asm name is already defined

4206: invalid register name

4207: an asm parameter may not have void type

4208: expected an asm type specification

4209: invalid asm type specification

4210: invalid asm type width

4211: invalid asm constant

4212: an asm temporary may not have this type

4213: this parameter may not be referenced because it has no type

4214: the return value may not be referenced because its type is void

4215: invalid register specifier

4216: an expansion leaf must have at least one expansion line

4217: the return value may not be referenced because it has no type

4218: the return value may not have this asm type

4219: error while deleting file "xxxx"

4220: integral value does not fit in required floating-point type

4221: floating-point value does not fit in required floating-point type

4222: floating-point operation result is out of range

4223: function declared implicitly

4224: the format string requires additional arguments

4225: the format string ends before this argument

4226: invalid format string conversion

4227: macro recursion

4228: trailing comma is nonstandard 4229: bit field cannot contain all values of the enumerated type 4230: nonstandard type for a bit field 4231: declaration is not visible outside of function 4232: old-fashioned typedef of "void" ignored 4233: left operand is not a struct or union containing this field 4234: pointer does not point to struct or union containing this field 4235: variable "xxxx" was declared with a never-completed type 4236: controlling expression is constant 4237: selector expression is constant 4238: invalid specifier on a parameter 4239: invalid specifier outside a class declaration 4240: duplicate specifier in declaration 4241: a union is not allowed to have a base class 4242: multiple access control specifiers are not allowed 4243: class or struct definition is missing 4244: qualified name is not a member of class "type" or its base classes 4245: a nonstatic member reference must be relative to a specific object 4246: a nonstatic data member may not be defined outside its class 4247: entity-kind "entity" has already been defined 4248: pointer to reference is not allowed 4249: reference to reference is not allowed 4250: reference to void is not allowed 4251: array of reference is not allowed **4252: reference** *entity-kind* "*entity*" **requires an initializer** 4253: expected a ","

4254: type name is not allowed

4255: type definition is not allowed

4256: invalid redeclaration of type name "entity" (declared at line xxxx) 4257: const *entity-kind* "*entity*" requires an initializer 4258: "this" may only be used inside a nonstatic member function 4259: constant value is not known 4260: explicit type is missing ("int" assumed) 4261: access control not specified ("xxxx" by default) 4262: not a class or struct name 4263: duplicate base class name 4264: invalid base class **4265:** *entity-kind "entity"* **is inaccessible 4266:** "entity" is ambiguous 4267: old-style parameter list (anachronism) 4268: declaration may not appear after executable statement in block 4269: implicit conversion to inaccessible base class "type" is not allowed 4270: name is not a member of a base class of "xxxx" 4271: access adjustment in a "private" section is not allowed 4272: increasing an inherited member's access is not allowed 4273: restricting an inherited member's access is not allowed 4274: improperly terminated macro invocation 4275: invalid access declaration -- %no1 is hidden by %no2 4276: name followed by "::" must be a class or namespace name 4277: invalid friend declaration 4278: a constructor or destructor may not return a value 4279: invalid destructor declaration 4280: declaration of a member with the same name as its class 4281: global-scope qualifier (leading "::") is not allowed 4282: the global scope has no "xxxx" 4283: qualified name is not allowed

- 4284: NULL reference is not allowed
- 4285: initialization with "{...}" is not allowed for object of type "type"
- 4286: base class "type" is ambiguous
- 4287: derived class "type" contains more than one instance of class "type"
- 4288: cannot convert pointer to base class "type" to pointer to derived class "type" -- base class is virtual
- 4289: no instance of constructor "entity" matches the argument list
- 4290: copy constructor for class "type" is ambiguous
- 4291: no default constructor exists for class "type"
- 4292: "xxxx" is not a nonstatic data member or base class of class "type"
- 4293: indirect nonvirtual base class is not allowed
- 4294: invalid union member -- class "type" has a disallowed member function
- 4295: cannot overload functions -- parameter types are too similar
- 4296: invalid use of non-lvalue array
- 4297: expected an operator
- 4298: inherited member is not allowed
- **4299:** cannot determine which instance of *entity-kind "entity"* is intended
- 4300: a pointer to a bound function may only be used to call the function
- 4301: typedef name has already been declared (with same type)
- 4302: entity-kind "entity" has already been defined
- 4303: type does not match any instance of %n
- 4304: no instance of entity-kind "entity" matches the argument list
- 4305: type definition is not allowed in function return type declaration
- 4306: default argument not at end of parameter list
- 4307: redefinition of default argument
- 4308: more than one instance of entity-kind "entity" matches the argument list:
- 4309: more than one instance of constructor "entity" matches the argument list:
- 4310: default argument of type "type" is incompatible with parameter of type "type"

- 4311: cannot overload functions distinguished by return type alone
- 4312: no suitable user-defined conversion from "type" to "type" exists
- 4313: type qualifier is not allowed on this function
- 4314: only nonstatic member functions may be virtual
- 4315: the object has cv-qualifiers that are not compatible with the member function
- 4316: program too large to compile (too many virtual functions)
- 4317: return type is not identical to nor covariant with return type "type" of overridden virtual function entity-kind "entity"
- 4318: override of virtual entity-kind "entity" is ambiguous
- 4319: pure specifier ("= 0") allowed only on virtual functions
- 4320: badly-formed pure specifier (only "= 0" is allowed)
- 4321: data member initializer is not allowed
- 4322: object of abstract class type "type" is not allowed:
- 4323: function returning abstract class "type" is not allowed:
- 4324: duplicate friend declaration
- 4325: inline specifier allowed on function declarations only
- 4326: "inline" is not allowed
- 4327: invalid storage class for an inline function
- 4328: invalid storage class for a class member
- 4329: local class member entity-kind "entity" requires a definition
- **4330:** *entity-kind* "*entity*" **is inaccessible**
- 4331: direct path to base class %t gives less access than indirect path
- 4332: class "type" has no copy constructor to copy a const object
- 4333: defining an implicitly declared member function is not allowed
- 4334: class "type" has no suitable copy constructor
- 4335: linkage specification is not allowed
- 4336: unknown external linkage specification

- 4337: linkage specification is incompatible with previous "entity" (declared at line xxxx)
 4338: more than one instance of overloaded function "entity" has "C" linkage
- 4339: class "type" has more than one default constructor
- 4340: value copied to temporary, reference to temporary used
- 4341: "operatorxxxx" must be a member function
- 4342: operator may not be a static member function
- 4343: no arguments allowed on user-defined conversion
- 4344: too many parameters for this operator function
- 4345: too few parameters for this operator function
- 4346: nonmember operator requires a parameter with class type
- 4347: default argument is not allowed
- 4348: more than one user-defined conversion from "type" to "type" applies:
- 4349: no operator "xxxx" matches these operands
- 4350: more than one operator "xxxx" matches these operands:
- 4351: first parameter of allocation function must be of type "size_t"
- 4352: allocation function requires "void *" return type
- 4353: deallocation function requires "void" return type
- 4354: first parameter of deallocation function must be of type "void *"
- 4355: second parameter of deallocation function must be of type "size_t"
- 4356: type must be an object type
- 4357: base class "type" has already been initialized
- 4358: base class name required -- "type" assumed (anachronism)
- 4359: *entity-kind "entity"* has already been initialized
- 4360: name of member or base class is missing
- 4361: assignment to "this" (anachronism)
- 4362: "overload" keyword used (anachronism)
- 4363: invalid anonymous union -- nonpublic member is not allowed

4364: invalid anonymous union -- member function is not allowed

4365: anonymous union at global or namespace scope must be declared static

4366: *entity-kind "entity"* **provides no initializer for:**

4367: implicitly generated constructor for class "type" cannot initialize:

4368: *entity-kind "entity"* **defines no constructor to initialize the following:**

4369: *entity-kind "entity"* has an uninitialized const or reference member

4370: entity-kind "entity" has an uninitialized const field

4371: class "type" has no assignment operator to copy a const object

4372: class "type" has no suitable assignment operator

4373: ambiguous assignment operator for class "type"

4374: const or volatile qualifier is not allowed

4375: declaration requires a typedef name

4376: unknown error

4377: "virtual" is not allowed

4378: "static" is not allowed

4379: cast of bound function to normal function pointer (anachronism)

4380: expression must have pointer-to-member type

4381: extra ";" ignored

4382: nonstandard member constant declaration (standard form is a static const integral member)

4383: a pointer to const may not be deleted

4384: no instance of overloaded "entity" matches the argument list

4385: operator delete() may not be overloaded

4386: no instance of entity-kind "entity" matches the required type

4387: delete array size expression used (anachronism)

4388: "operator->" for class %t1 returns invalid type %t2

4389: a cast to abstract class "type" is not allowed:

4390: function "main" may not be called or have its address taken

- 4391: a new-initializer may not be specified for an array
- 4392: member function "entity" may not be redeclared outside its class
- 4393: pointer to incomplete class type is not allowed
- 4394: reference to local variable of enclosing function is not allowed
- 4395: single-argument function used for postfix "xxxx" (anachronism)
- 4396: access adjustment is not allowed -- mixed accessibility for %n
- 4397: implicitly generated assignment operator cannot copy:
- 4398: cast to array type is nonstandard (treated as cast to "type")
- 4399: *entity-kind "entity"* has an operator newxxxx() but no default operator deletexxxx()
- 4400: *entity-kind* "*entity*" has a default operator deletexxxx() but no operator newxxxx()
- 4401: destructor for base class "type" is not virtual
- 4402: %n has no accessible constructors
- 4403: entity-kind "entity" has already been declared
- 4404: function "main" may not be declared inline
- 4405: member function with the same name as its class must be a constructor
- 4406: using nested entity-kind "entity" (anachronism)
- 4407: a destructor may not have parameters
- 4408: copy constructor for class "type" may not have a parameter of type "type"
- **4409:** *entity-kind "entity"* **returns incomplete type** "type"
- 4410: protected *entity-kind* "*entity*" is not accessible through a "type" pointer or object
- 4411: a parameter is not allowed
- 4412: an "asm" declaration is not allowed here
- 4413: no suitable conversion function from "type" to "type" exists
- 4414: delete of pointer to incomplete class
- 4415: no suitable constructor exists to convert from "type" to "type"
- 4416: more than one constructor applies to convert from "type" to "type":

```
4417: more than one conversion function from "type" to "type" applies:
4418: more than one conversion function from "type" to a built-in type applies:
4419: const %n
4420: reference %n
4421: %npT
4422: built-in operator "xxxx"
4423: %no (ambiguous by inheritance)
4424: a constructor or destructor may not have its address taken
4425: dollar sign ("$") used in identifier
4426: temporary used for initial value of reference to non-const (anachronism)
4427: qualified name is not allowed in member declaration
4428: enumerated type mixed with another type (anachronism)
4429: the size of an array in "new" must be non-negative
4430: returning reference to local temporary
4431: const qualifier dropped in initializing reference to non-const
4432: "enum" declaration is not allowed
4433: qualifiers dropped in binding reference of type "type" to initializer of type
"type"
4434: a reference of type "type" (not const-qualified) cannot be initialized with a
value of type "type"
4435: a pointer to function may not be deleted
4436: conversion function must be a nonstatic member function
4437: template declaration is not allowed here
4438: expected a "<"
4439: expected a ">"
4440: template parameter declaration is missing
4441: argument list for entity-kind "entity is missing
4442: too few arguments for entity-kind "entity"
4443: too many arguments for entity-kind "entity"
```

4444: template parameter for a function template must be a type

4445: *entity-kind* "*entity*" **is not used in declaring the parameter types of** *entity-kind* "*entity*"

4446: two nested types have the same name: "entity" and "entity" (declared at line xxxx) (cfront compatibility)

4447: global "entity" was declared after nested "entity" (declared at line xxxx) (cfront compatibility)

4448: template parameter %no was declared but never referenced

4449: more than one instance of entity-kind "entity" matches the required type

4450: the type "long long" is nonstandard

4451: omission of "xxxx" is nonstandard

4452: return type may not be specified on a conversion function

4453: detected during:

4454: instantiation of %nt %p

4455: implicit generation of %nt %p

4456: excessive recursion at instantiation of entity-kind "entity"

4457: "xxxx" is not a function or static data member

4458: argument of type "type" is incompatible with template parameter of type "type"

4459: initialization requiring a temporary or conversion is not allowed

4460: declaration of "xxxx" hides function parameter

4461: initial value of reference to non-const must be an Ivalue

4462: implicit definition of %nt %p

4463: "template" is not allowed

4464: "type" is not a class template

4465: static data member may not be an anonymous union

4466: "main" is not a valid name for a function template

4467: invalid reference to entity-kind "entity" (union/nonunion mismatch)

4468: a template argument may not reference a local type

4469: tag kind of xxxx is incompatible with declaration of entity-kind "entity" (declared at line xxxx) 4470: the global scope has no tag named "xxxx" 4471: entity-kind "entity" has no tag member named "xxxx" 4472: member function typedef (allowed for cfront compatibility) 4473: entity-kind "entity" may be used only in pointer-to-member declaration 4474: unknown error 4475: a template argument may not reference a non-external entity 4476: name followed by "::~" must be a class name or a type name 4477: destructor name does not match name of class "type" 4478: type used as destructor name does not match type "type" 4479: entity-kind "entity" redeclared "inline" after being called 4480: destructor name does not match left operand of "->" or "." 4481: invalid storage class for a template declaration 4482: *entity-kind* "*entity*" is an inaccessible type (allowed for cfront compatibility) 4483: a return type is not allowed 4484: invalid explicit instantiation declaration 4485: entity-kind "entity" is not an entity that can be instantiated 4486: compiler generated entity-kind "entity" cannot be explicitly instantiated 4487: inline *entity-kind* "*entity*" cannot be explicitly instantiated 4488: pure virtual %n cannot be explicitly instantiated 4489: entity-kind "entity" cannot be instantiated -- no template definition was supplied 4490: entity-kind "entity" cannot be instantiated -- it has been explicitly specialized 4491: class %t has no constructor 4492: % must be used in a parameter without a default value in entity-kind "entity"

4493: no instance of *entity-kind* "*entity*" matches the specified type

4494: declaring a void parameter list with a typedef is nonstandard 4495: global entity-kind "entity" used instead of entity-kind "entity" (cfront compatibility) 4496: template parameter "xxxxx" may not be redeclared in this scope 4497: declaration of "xxxx" hides template parameter 4498: template argument list must match the parameter list 4499: conversion function to convert from %t1 to %t2 is not allowed 4500: extra parameter of postfix "operatorxxxx" must be of type "int" 4501: an operator name must be declared as a function 4502: operator name is not allowed 4503: *entity-kind "entity"* cannot be specialized in the current scope 4504: nonstandard form for taking the address of a member function 4505: too few template parameters -- does not match previous declaration 4506: too many template parameters -- does not match previous declaration 4507: function template for operator delete(void *) is not allowed 4508: class template and template parameter may not have the same name 4509: %no2 cannot be used to designate constructor for %n2 4510: a template argument may not reference an unnamed type 4511: enumerated type is not allowed 4512: type qualifier on a reference type is not allowed 4513: a value of type "type" cannot be assigned to an entity of type "type" 4514: pointless comparison of unsigned integer with a negative constant 4515: cannot convert to incomplete class "type" 4516: const object requires an initializer 4517: object has an uninitialized const or reference member 4518: nonstandard preprocessing directive 4519: entity-kind "entity" may not have a template argument list

4520: initialization with "{...}" expected for aggregate object

4521: pointer-to-member selection class types are incompatible ("type" and "type") 4522: pointless friend declaration 4523: "." used in place of "::" to form a qualified name 4524: non-const function called for const object (anachronism) 4525: a dependent statement may not be a declaration 4526: a parameter may not have void type 4527: instantiation of %na %p 4528: processing of template argument list for %na %p 4529: this operator is not allowed in a template argument expression 4530: try block requires at least one handler 4531: handler requires an exception declaration 4532: handler is masked by default handler 4533: handler is potentially masked by previous handler for type "type" 4534: use of a local type to specify an exception 4535: redundant type in exception specification 4536: exception specification is incompatible with that of previous entity-kind "entity" (declared at line xxxx): 4537: previously specified: no exceptions will be thrown 4538: previously omitted: %t 4539: previously specified but omitted here: %t 4540: support for exception handling is disabled 4541: omission of exception specification is incompatible with previous entity-kind "entity" (declared at line xxxx) 4542: could not create instantiation request file "xxxx" 4543: non-arithmetic operation not allowed in nontype template argument 4544: use of a local type to declare a nonlocal variable 4545: use of a local type to declare a function 4546: transfer of control bypasses initialization of:

4547: %nd

4548: transfer of control into an exception handler

4549: entity-kind "entity" is used before its value is set

4550: *entity-kind "entity"* **was set but never used**

4551: *entity-kind "entity"* cannot be defined in the current scope

4552: exception specification is not allowed

4553: external/internal linkage conflict for entity-kind "entity" (declared at line

xxxx)

4554: *entity-kind "entity"* will not be called for implicit or explicit conversions

4555: tag kind of xxx is incompatible with template parameter of type "type"

4556: function template for operator new(size_t) is not allowed

4557: invalid access declaration -- inherited name "xxxx" is ambiguous

4558: pointer to member of type "type" is not allowed

4559: ellipsis is not allowed in operator function parameter list

4560: "entity" is reserved for future use as a keyword

4561: invalid macro definition:

4562: invalid macro undefinition:

4563: invalid preprocessor output file

4564: cannot open preprocessor output file

4565: IL file name must be specified if input is

4566: invalid IL output file

4567: cannot open IL output file

4568: invalid C output file

4569: cannot open C output file

4570: error in debug option argument

4571: invalid option:

4572: back end requires name of IL file

4573: could not open IL file

4574: invalid number: 4575: incorrect host CPU id 4576: invalid instantiation mode: 4577: missing include file directory name 4578: invalid error limit: 4579: invalid raw-listing output file 4580: cannot open raw-listing output file 4581: invalid cross-reference output file 4582: cannot open cross-reference output file 4583: invalid error output file 4584: cannot open error output file 4585: virtual function tables can only be suppressed when compiling C++ 4586: anachronism option can be used only when compiling C++ 4587: instantiation mode option can be used only when compiling C++ 4588: automatic instantiation mode can be used only when compiling C++ 4589: implicit template inclusion mode can be used only when compiling C++ 4590: exception handling option can be used only when compiling C++ 4591: strict ANSI mode is incompatible with K&R mode 4592: strict ANSI mode is incompatible with cfront mode 4593: missing source file name 4594: output files may not be specified when compiling several input files 4595: too many arguments on command line 4596: an output file was specified, but none is needed 4597: IL display requires name of IL file 4598: a template parameter may not have void type 4599: excessive recursive instantiation of entity-kind "entity" due to instantiate-all

4600: strict ANSI mode is incompatible with allowing anachronisms

mode

4601: a throw expression may not have void type

4602: local instantiation mode is incompatible with automatic instantiation

4603: parameter of abstract class type "type" is not allowed:

4604: array of abstract class "type" is not allowed:

4605: floating-point template parameter is nonstandard

4606: this pragma must immediately precede a declaration

4607: this pragma must immediately precede a statement

4608: this pragma must immediately precede a declaration or statement

4609: this kind of pragma may not be used here

4610: %nf1 does not match %no2 -- virtual function override intended?

4611: overloaded virtual function "entity" **is only partially overridden in** entity-kind "entity"

4612: specific definition of inline template function must precede its first use

4613: invalid error tag:

4614: invalid error number:

4615: parameter type involves pointer to array of unknown bound

4616: parameter type involves reference to array of unknown bound

4617: pointer-to-member-function cast to pointer to function

4618: struct or union declares no named members

4619: nonstandard unnamed field

4620: nonstandard unnamed member

4621: a function type cannot be used as a template argument

4622: invalid precompiled header output file

4623: cannot open precompiled header output file

4624: "xxxx" is not a type name

4625: cannot open precompiled header input file

4626: precompiled header file "xxxx" is either invalid or not generated by this version of the compiler

4627: precompiled header file "xxxx" was not generated in this directory

4628: header files used to generate precompiled header file "xxxx" have changed

4629: the command line options do not match those used when precompiled header file "xxxx" was created

4630: the initial sequence of preprocessing directives is not compatible with those of precompiled header file "xxxxx"

4631: unable to obtain mapped memory

4632: "xxxx": using precompiled header file "xxxx"

4633: "xxxx" creating precompiled header file "xxxx"

4634: memory usage conflict with precompiled header file "xxxx"

4635: invalid PCH memory size

4636: PCH options must appear first in the command line

4637: insufficient memory for PCH memory allocation

4638: precompiled header files may not be used when compiling several input files

4639: insufficient preallocated memory for generation of precompiled header file ("xxxx" bytes required)

4640: very large entity in program prevents generation of precompiled header file

4641: "xxxx" is not a valid directory

4642: cannot build temporary file name

4643: "restrict" is not allowed

4644: a pointer or reference to function type may not be qualified by "restrict"

4645: "xxxx" is an unrecognized __declspec attribute

4646: a calling convention modifier may not be specified here

4647: conflicting calling convention modifiers

4648: strict ANSI mode is incompatible with Microsoft mode

4649: cfront mode is incompatible with Microsoft mode

4650: calling convention specified here is ignored

4651: a calling convention may not be followed by a nested declarator

4652: calling convention is ignored for this type

4653: calling conventions may only be applied to function types

4654: declaration modifiers are incompatible with previous declaration

4655: the modifier "xxxxx" is not allowed on this declaration

4656: transfer of control into a try block

4657: inline specification is incompatible with previous "entity" (declared at line *xxxx*)

4658: closing brace of template definition not found

4659: wchar_t keyword option can be used only when compiling C++

4660: invalid packing alignment value

4661: expected an integer constant

4662: call of pure virtual function

4663: invalid source file identifier string

4664: a class template cannot be defined in a friend declaration

4665: "asm" is not allowed

4666: "asm" must be used with a function definition

4667: "asm" function is nonstandard

4668: ellipsis with no explicit parameters is nonstandard

4669: "&..." is nonstandard

4670: invalid use of "&..."

4671: alternative token option can be used only when compiling C++

4672: temporary used for initial value of reference to const volatile (anachronism)

4673: a reference of type "type" cannot be initialized with a value of type "type"

4674: initial value of reference to const volatile must be an Ivalue

4675: SVR4 C compatibility option can be used only when compiling ANSI C

4676: using out-of-scope declaration of entity-kind "entity" (declared at line xxxx)

4677: strict ANSI mode is incompatible with SVR4 C mode

4678: call of entity-kind "entity" declared at line xxxx) cannot be inlined

4679: *entity-kind "entity"* **cannot be inlined**

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4680: invalid PCH directory:
4681: expected __except or __finally
4682: a __leave statement may only be used within a __try
4683: detected during instantiation of %nt %p
4684: detected during implicit generation of %nt %p
4685: detected during instantiation of %na %p
4686: detected during processing of template argument list for %na %p
4687: detected during implicit definition of %nt %p
4688: "xxxx" not found on pack alignment stack
4689: empty pack alignment stack
4690: RTTI option can be used only when compiling C++
4691: entity-kind "entity", required for copy that was eliminated, is inaccessible
4692: entity-kind "entity", required for copy that was eliminated, is not callable
because reference parameter cannot be bound to rvalue
4693: <typeinfo> must be included before typeid is used
4694: "xxxx" cannot cast away const or other type qualifiers
4695: the type in a dynamic_cast must be a pointer or reference to a complete
class type, or void *
4696: the operand of a pointer dynamic_cast must be a pointer to a complete class
type
4697: the operand of a reference dynamic_cast must be an Ivalue of a complete
class type
4698: the operand of a runtime dynamic_cast must have a polymorphic class type
4699: bool option can be used only when compiling C++
4700: invalid storage class for condition declaration
4701: an array type is not allowed here
4702: expected an "="
4703: expected a declarator in condition declaration
4704: "xxxx", declared in condition, may not be redeclared in this scope
```

4705: default template arguments are not allowed for function templates

4706: expected a "," or ">"

4707: expected a template parameter list

4708: incrementing a bool value is deprecated

4709: bool type is not allowed

4710: offset of base class "entity" within class "entity" is too large

4711: expression must have bool type (or be convertible to bool)

4712: array new and delete option can be used only when compiling C++

4713: entity-kind "entity" is not a variable name

4714: __based modifier is not allowed here

4715: __based does not precede a pointer operator, __based ignored

4716: variable in __based modifier must have pointer type

4717: the type in a const_cast must be a pointer, reference, or pointer to member to an object type

4718: a const_cast can only adjust type qualifiers; it cannot change the underlying type

4719: mutable is not allowed

4720: redeclaration of entity-kind "entity" is not allowed to alter its access

4721: nonstandard format string conversion

4722: use of alternative token "<: " appears to be unintended

4723: use of alternative token "%:" appears to be unintended

4724: namespace definition is not allowed

4725: name must be a namespace name

4726: namespace alias definition is not allowed

4727: namespace-qualified name is required

4728: a namespace name is not allowed

4729: invalid combination of DLL attributes

4730: entity-kind "entity" is not a class template

4731: array with incomplete element type is nonstandard

4732: allocation operator may not be declared in a namespace

4733: deallocation operator may not be declared in a namespace

4734: *entity-kind "entity"* **conflicts with using-declaration of** *entity-kind "entity"* **(declared at line** *xxxx***)**

4735: using-declaration of *entity-kind* "*entity*" **conflicts with** *entity-kind* "*entity*"

4736: namespaces option can be used only when compiling C++

4737: using-declaration ignored -- it refers to the current namespace

4738: a class-qualified name is required

4739: argument types are: (%s)

4740: operand types are: %s

4741: using-declaration of %n ignored

4742: entity-kind "entity" has no actual member "xxxx"

4743: global-scope qualifier (leading "::") on friend declaration is nonstandard

4744: incompatible memory attributes specified

4745: memory attribute ignored

4746: memory attribute may not be followed by a nested declarator

4747: memory attribute specified more than once

4748: calling convention specified more than once

4749: a type qualifier is not allowed

4750: *entity-kind "entity"* (declared at line *xxxx*) was used before its template was declared

4751: static and nonstatic member functions with same parameter types cannot be overloaded

4752: no prior declaration of entity-kind "entity"

4753: a template-id is not allowed

4754: a class-qualified name is not allowed

4755: entity-kind "entity" may not be redeclared in the current scope

4756: qualified name is not allowed in namespace member declaration

4757: *entity-kind* "*entity*" **is not a type name**

4758: explicit instantiation is not allowed in the current scope

4759: entity-kind "entity" cannot be explicitly instantiated in the current scope

4760: entity-kind "entity" explicitly instantiated more than once

4761: typename may only be used within a template

4762: special_subscript_cost option can be used only when compiling C++

4763: typename option can be used only when compiling C++

4764: implicit typename option can be used only when compiling C++

4765: nonstandard character at start of object-like macro definition

4766: exception specification for virtual entity-kind "entity" is incompatible with that of overridden entity-kind "entity"

4767: conversion from pointer to smaller integer

4768: exception specification for implicitly declared virtual entity-kind "entity" is incompatible with that of overridden entity-kind "entity"

4769: "entity", implicitly called from entity-kind "entity", is ambiguous

4770: option "explicit" can be used only when compiling C++

4771: "explicit" is not allowed

4772: declaration conflicts with "xxxx" (reserved class name)

4773: only "()" is allowed as initializer for array entity-kind "entity"

4774: "virtual" is not allowed in a function template declaration

4775: invalid anonymous union -- class member template is not allowed

4776: template nesting depth does not match the previous declaration of entity-kind "entity"

4777: this declaration cannot have multiple "template <...>" clauses

4778: option to control the for-init scope can be used only when compiling C++

4779: "xxxx", declared in for-loop initialization, may not be redeclared in this scope

4780: reference is to *entity-kind* "*entity*" (declared at line *xxxx*) -- under old for-init scoping rules it would have been *entity-kind* "*entity*" (declared at line *xxxx*)

4781: option to control warnings on for-init differences can be used only when compiling C++

- 4782: definition of virtual entity-kind "entity" is required here
- 4783: empty comment interpreted as token-pasting operator "##"
- 4784: a storage class is not allowed in a friend declaration
- 4785: template parameter list for "entity" is not allowed in this declaration
- 4786: *entity-kind* "*entity*" is not a valid member class or function template
- 4787: not a valid member class or function template declaration
- 4788: a template declaration containing a template parameter list may not be followed by an explicit specialization declaration
- **4789: explicit specialization of** *entity-kind "entity"* **must precede the first use of** *entity-kind "entity"*
- 4790: explicit specialization is not allowed in the current scope
- 4791: partial specialization of entity-kind "entity" is not allowed
- 4792: entity-kind "entity" is not an entity that can be explicitly specialized
- 4793: explicit specialization of entity-kind "entity" must precede its first use
- 4794: template parameter "type" may not be used in an elaborated type specifier
- 4795: specializing entity-kind "entity" requires "template<>" syntax
- 4796: "template<>" syntax is required when declaring a member function template instance as a friend
- 4797: nonstandard "asm" declaration is not supported inside a template
- 4798: option "old_specializations" can be used only when compiling C++
- 4799: specializing entity-kind "entity" without "template<>" syntax is nonstandard
- 4800: this declaration may not have extern "C" linkage
- 4801: "xxxx" is not a class or function template name in the current scope
- 4802: specifying a default argument when redeclaring an unreferenced function template is nonstandard
- 4803: specifying a default argument when redeclaring an already referenced function template is not allowed
- 4804: cannot convert pointer to member of base class "type" to pointer to member of derived class "type" -- base class is virtual

4805: exception specification is incompatible with that of *entity-kind* "*entity*" (declared at line *xxxx*):'

4806: omission of exception specification is incompatible with *entity-kind "entity"* **(declared at line** *xxxxx*)

4807: unexpected end of default argument expression

4808: default-initialization of reference is not allowed

4809: uninitialized entity-kind "entity" has a const member

4810: uninitialized base class "type" has a const member

4811: const *entity-kind "entity"* requires an initializer -- class "type" has no explicitly declared default constructor

4812: const object requires an initializer -- class "type" has no explicitly declared default constructor

4813: option "implicit_extern_c_type_conversion" can be used only when compiling C++

4814: strict ANSI mode is incompatible with long preserving rules

4815: type qualifier on return type is meaningless

4816: in a function definition a type qualifier on a "void" return type is not allowed

4817: static data member declaration is not allowed in this class

4818: template instantiation resulted in an invalid function declaration

4819: "..." is not allowed

4820: option "extern_inline" can be used only when compiling C++

4821: extern inline entity-kind "entity" was referenced but not defined

4822: invalid destructor name for type "type"

4823: use of %n in a destructor call is nonstandard

4824: destructor reference is ambiguous -- both *entity-kind "entity"* **and** *entity-kind "entity"* **could be used**

4825: virtual inline entity-kind "entity" was never defined

4826: *entity-kind "entity"* was never referenced

4827: only one member of a union may be specified in a constructor initializer list

4828: support for "new[]" and "delete[]" is disabled

4829: "double" used for "long double" in generated C code

4830: *entity-kind "entity"* has no corresponding operator delete"*xxxx*" (to be called if an exception is thrown during initialization of an allocated object)

4831: support for placement delete is disabled

4832: no appropriate operator delete is visible

4833: pointer or reference to incomplete type is not allowed

4834: invalid partial specialization -- entity-kind "entity" is already fully specialized

4835: incompatible exception specifications

4836: returning reference to local variable

4837: omission of explicit type is nonstandard ("int" assumed)

4838: more than one partial specialization matches the template argument list of entity-kind "entity"

4839: %no

4840: a template argument list is not allowed in a declaration of a primary template

4841: partial specializations may not have default template arguments

4842: *entity-kind* "*entity*" **is not used in template argument list of** *entity-kind* "*entity*"

4843: the type of partial specialization template parameter %n depends on another template parameter

4844: the template argument list of the partial specialization includes a nontype argument whose type depends on a template parameter

4845: this partial specialization would have been used to instantiate *entity-kind* "entity"

4846: this partial specialization would have been made the instantiation of entity-kind "entity" ambiguous

4847: expression must have integral or enum type

4848: expression must have arithmetic or enum type

4849: expression must have arithmetic, enum, or pointer type

4850: type of cast must be integral or enum

4851: type of cast must be arithmetic, enum, or pointer

4852: expression must be a pointer to a complete object type

4853: a partial specialization of a member class template must be declared in the class of which it is a member

4854: a partial specialization nontype argument must be the name of a nontype parameter or a constant

4855: return type is not identical to return type "type" of overridden virtual function entity-kind "entity"

4856: option "guiding_decls" can be used only when compiling C++

4857: a partial specialization of a class template must be declared in the namespace of which it is a member

4858: *entity-kind* "*entity*" is a pure virtual function

4859: pure virtual entity-kind "entity" has no overrider

4860: __declspec attributes ignored

4861: invalid character in input line

4862: function returns incomplete type "type"

4863: effect of this "#pragma pack" directive is local to entity-kind "entity"

4864: "xxxx" is not a template

4865: a friend declaration may not declare a partial specialization

4866: exception specification ignored

4867: declaration of "size_t" does not match the expected type "type"

4868: space required between adjacent ">" delimiters of nested template argument lists (">>" is the right shift operator)

4869: could not set locale "xxxxx" to allow processing of multibyte characters

4870: invalid multibyte character sequence

4871: template instantiation resulted in unexpected function type of "type"1 (the meaning of a name may have changed since the template declaration -- the type of the template is "type")

4872: ambiguous guiding declaration -- more than one function template "entity" matches type "type"

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4873: non-integral operation not allowed in nontype template argument
4874: option "embedded_c++" can be used only when compiling C++
4875: Embedded C++ does not support templates
4876: Embedded C++ does not support exception handling
4877: Embedded C++ does not support namespaces
4878: Embedded C++ does not support run-time type information
4879: Embedded C++ does not support the new cast syntax
4880: Embedded C++ does not support using-declarations
4881: Embedded C++ does not support "mutable"
4882: Embedded C++ does not support multiple or virtual inheritance
4883: invalid Microsoft version number:
4884: pointer-to-member representation "xxxx" has already been set for
entity-kind "entity"
4885: "type" cannot be used to designate constructor for "type"
4886: invalid suffix on integral constant
4887: operand of __uuidof must have a class or enum type for which
__declspec(uuid("...")) has been specified
4888: invalid GUID string in __declspec(uuid("..."))
4889: option "vla" can be used only when compiling C
4890: variable length array with unspecified bound is not allowed
4891: an explicit template argument list is not allowed on this declaration
4892: an entity with linkage cannot have a type involving a variable length array
4893: a variable length array cannot have static storage duration
4894: entity-kind "entity" is not a template
4895: variable length array dimension (declared %p)
4896: expected a template argument
4897: explicit function template argument lists are not supported yet in
expression contexts
4898: nonmember operator requires a parameter with class or enum type
```

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4899: option "enum_overloading" can be used only when compiling C++
4900: using-declaration of entity-kind "entity" is not allowed
4901: qualifier of destructor name "type" does not match type "type"
4902: type qualifier ignored
4903: option "nonstd qualifier deduction" can be used only when compiling
C++
4904: a function declared "dllimport" may not be defined
4905: incorrect property specification; correct form is
__declspec(property(get=name1,put=name2))
4906: property has already been specified
4907: declspec(property) is not allowed on this declaration
4908: member is declared with declspec(property), but no "get" function was
specified
4909: the __declspec(property) "get" function "xxxx" is missing
4910: member is declared with __declspec(property), but no "put" function was
specified
4911: the __declspec(property) "put" function "xxxxx" is missing
4912: ambiguous class member reference -- entity-kind "entity" used in preference
to entity-kind "entity" (declared at line xxxx)
4913: missing or invalid segment name in __declspec(allocate("..."))
4914: declspec(allocate) is not allowed on this declaration
4915: a segment name has already been specified
4916: cannot convert pointer to member of derived class "type" to pointer to
member of base class "type" -- base class is virtual
4917: invalid directory for instantiation files:
4918: option "one_instantiation_per_object" can be used only when compiling
C++
4919: invalid output file: "xxxx"
4920: cannot open output file: "xxxx"
4921: an instantiation information file name may not be specified when
```

compiling several input files

- 4922: option "one_instantiation_per_object" may not be used when compiling several input files
- 4923: more than one command line option matches the abbreviation "--xxxx":
- 4924: --%s
- 4925: a type qualifier cannot be applied to a function type
- 4926: cannot open definition list file: "xxxx"
- 4927: late/early tiebreaker option can be used only when compiling C++
- 4928: incorrect use of va_start
- 4929: incorrect use of va_arg
- 4930: incorrect use of va_end
- 4931: pending instantiations option can be used only when compiling C++
- 4932: invalid directory for #import files:
- 4933: an import directory can be specified only in Microsoft mode
- 4934: a member with reference type is not allowed in a union
- 4935: "typedef" may not be specified here
- **4936: redeclaration of** *entity-kind* "*entity*" **alters its access**
- 4937: a class or namespace qualified name is required
- 4938: return type "int" omitted in declaration of function "main"
- **4939: pointer-to-member representation** "*xxxxx*" **is too restrictive for** *entity-kind* "*entity*"
- **4940: missing return statement at end of non-void** *entity-kind "entity"*
- 4941: duplicate using-declaration of "entity" ignored
- 4942: enum bit-fields are always unsigned, but enum "type" includes negative enumerator
- 4943: option "class_name_injection" can be used only when compiling C++
- 4944: option "arg_dep_lookup" can be used only when compiling C++
- 4945: option "friend_injection" can be used only when compiling C++
- 4946: name following "template" must be a member template
- 4947: name following "template" must have a template argument list

4948: nonstandard local-class friend declaration -- no prior declaration in the enclosing scope

4949: specifying a default argument on this declaration is nonstandard

4950: option "nonstd_using_decl" can be used only when compiling C++

4951: return type of function "main" must be "int"

4952: a nontype template parameter may not have class type

4953: a default template argument cannot be specified on the declaration of a member of a class template

4954: a return statement is not allowed in a handler of a function try block of a constructor

4955: ordinary and extended designators cannot be combined in an initializer designation

4956: the second subscript must not be smaller than the first

4957: option "designators" can be used only when compiling C

4958: option "extended_designators" can be used only when compiling C

4959: declared size for bit field is larger than the size of the bit field type; truncated to "xxxx" bits

4960: type used as constructor name does not match type "type"

4961: use of a type with no linkage to declare a variable with linkage

4962: use of a type with no linkage to declare a function

4963: return type may not be specified on a constructor

4964: return type may not be specified on a destructor

4965: incorrectly formed universal character name

4966: universal character name specifies an invalid character

4967: a universal character name cannot designate a character in the basic character set

4968: this universal character is not allowed in an identifier

4969: the identifier __VA_ARGS__ can only appear in the replacement lists of variadic macros

4970: the qualifier on this friend declaration is ignored

4971: array range designators cannot be applied to dynamic initializers

4972: property name cannot appear here

4973: "inline" used as a function qualifier is ignored

4974: option "compound_literals" can be used only when compiling C

4975: a variable-length array type is not allowed

4976: a compound literal is not allowed in an integral constant expression

4977: a compound literal of type "type" is not allowed

4978: a template friend declaration cannot be declared in a local class

4979: ambiguous "?" operation: second operand of type "type" can be converted to third operand type "type", and vice versa

4980: call of an object of a class type without appropriate operator() or conversion functions to pointer-to-function type

4981: surrogate function from conversion %np

4982: there is more than one way an object of type "type" can be called for the argument list:

4983: typedef name has already been declared (with similar type)

4984: operator new and operator delete cannot be given internal linkage

4985: storage class "mutable" is not allowed for anonymous unions

4986: invalid precompiled header file

4987: abstract class type "type" is not allowed as catch type:

4988: a qualified function type cannot be used to declare a nonmember function or a static member function

4989: a qualified function type cannot be used to declare a parameter

4990: cannot create a pointer or reference to qualified function type

4991: extra braces are nonstandard

4992: invalid macro definition:

4993: subtraction of pointer types "type" and "type" is nonstandard

4994: an empty template parameter list is not allowed in a template template parameter declaration

4995: expected "class"

4996: the "class" keyword must be used when declaring a template template parameter

4997: *entity-kind "entity"* is hidden by *"entity"* -- virtual function override intended?

4998: a qualified name is not allowed for a friend declaration that is a function definition

4999: *entity-kind "entity"* **is not compatible with** *entity-kind "entity"*

5000: a storage class may not be specified here

5001: class member designated by a using-declaration must be visible in a direct base class

5002: Sun mode is incompatible with Microsoft mode

5003: Sun mode is incompatible with cfront mode

5004: strict ANSI mode is incompatible with Sun mode

5005: Sun mode is only allowed when compiling C++

5006: a template template parameter cannot have the same name as one of its template parameters

5007: recursive instantiation of default argument

5008: a parameter of a template template parameter cannot depend on the type of another template parameter

5009: entity-kind "entity" is not an entity that can be defined

5010: destructor name must be qualified

5011: friend class name may not be introduced with "typename"

5012: a using-declaration may not name a constructor or destructor

5013: a qualified friend template declaration must refer to a specific previously declared template

5014: invalid specifier in class template declaration

5015: argument is incompatible with formal parameter

5016: option "dep_name" can be used only when compiling C++

5017: loop in sequence of "operator->" functions starting at class "type"

5018: entity-kind "entity" has no member class "xxxx"

5019: the global scope has no class named "xxxx"

5020: recursive instantiation of template default argument

5021: access declarations and using-declarations cannot appear in unions

5022: "entity" is not a class member

5023: nonstandard member constant declaration is not allowed

5024: option "ignore_std" can be used only when compiling C++

5025: option "parse_templates" can be used only when compiling C++

5026: option "dep_name" cannot be used with "no_parse_templates"

5027: language modes specified are incompatible

5028: invalid redeclaration of nested class

5029: type containing an unknown-size array is not allowed

5030: a variable with static storage duration cannot be defined within an inline function

5031: an entity with internal linkage cannot be referenced within an inline function with external linkage

5032: argument type "type" does not match this type-generic function macro

5033: variable length array %nod

5034: friend declaration cannot add default arguments to previous declaration

5035: entity-kind "entity" cannot be declared in this scope

5036: the reserved identifier "xxxxx" may only be used inside a function

5037: this universal character cannot begin an identifier

5038: expected a string literal

5039: unrecognized STDC pragma

5040: expected "ON", "OFF", or "DEFAULT"

5041: a STDC pragma may only appear between declarations in the global scope or before any statements or declarations in a block scope

5042: incorrect use of va_copy

5043: "xxxx" can only be used with floating-point types

5044: complex type is not allowed

5045: invalid designator kind

5046: floating-point value cannot be represented exactly

5047: complex floating-point operation result is out of range

5048: conversion between real and imaginary yields zero

5049: an initializer cannot be specified for a flexible array member

5050: imaginary *= imaginary sets the left-hand operand to zero

5051: standard requires that entity-kind "entity" be given a type by a subsequent

declaration ("int" assumed)

5052: a definition is required for inline entity-kind "entity"

5053: conversion from integer to smaller pointer

5054: a floating-point type must be included in the type specifier for a _Complex

or _Imaginary type

5055: #pragma error: %s

5056: #pragma info: %s

5057: #pragma warning: %s

5058: expression must be a vector type or have a constant value

5059: use of obsolete feature: %s

5060: too few initializer values

5061: vector argument requires a prototype

5062: vector type specifier is not first

5063: operand of vec_step must be a vector type

5064: types cannot be declared in anonymous unions

5065: returning pointer to local variable

5066: returning pointer to local temporary

5067: option "export" can be used only when compiling C++

5068: option "export" cannot be used with "no_dep_name"

5069: option "export" cannot be used with "implicit_include"

5070: declaration of *entity-kind "entity"* is incompatible with a declaration in another translation unit

5071: the other declaration is xxxxx''

5072: detected during compilation of secondary translation unit "xxxxx"

5073: compilation of secondary translation unit "xxxx"

5074: a field declaration cannot have a type involving a variable length array

5075: declaration of *entity-kind* "*entity*" had a different meaning during compilation of "xxxx"

5076: expected "template"

5077: "export" cannot be used on an explicit instantiation

5078: "export" cannot be used on this declaration

5079: a member of an unnamed namespace cannot be declared "export"

5080: a template cannot be declared "export" after it has been defined

5081: a declaration cannot have a label

5082: support for exported templates is disabled

5083: cannot open exported template file: "xxxx"

5084: entity-kind "entity" already defined during compilation of "xxxx"

5085: entity-kind "entity" already defined in another translation unit

5086: a non-static local variable may not be used in a __based specification

5087: the option to list makefile dependencies may not be specified when compiling more than one translation unit

5088: the option to list included files may not be specified when compiling more than one translation unit

5089: the option to generate preprocessed output may not be specified when compiling more than one translation unit

5090: a field with the same name as its class cannot be declared in a class with a user-declared constructor

5091: "implicit_include" cannot be used when compiling more than one translation unit

5092: exported template file "xxxx" is corrupted

5093: *entity-kind "entity"* cannot be instantiated -- it has been explicitly specialized in the translation unit containing the exported definition

5094: object type is: %s

5095: the object has cv-qualifiers that are not compatible with the member entity-kind "entity"

5096: no instance of *entity-kind* "*entity*" matches the argument list and object (the object has cv-qualifiers that prevent a match)

5097: an attribute specifies a mode incompatible with "type"

5098: there is no type with the width specified

5099: invalid alignment value specified by attribute

5100: invalid attribute for "type"

5101: invalid attribute for entity-kind "entity"

5102: invalid attribute for parameter

5103: attribute "xxxx" does not take arguments

5104: attribute "xxxx" requires arguments

5105: expected an attribute name

5106: there is no attribute "xxxx"

5107: attributes may not appear here

5108: invalid argument to attribute "xxxx"

5109: the "packed" attribute is ignored in a typedef

5110: in "goto *expr", expr must have type "void *"

5111: "goto *expr" is nonstandard

5112: taking the address of a label is nonstandard

5113: file name specified more than once:

5114: #warning directive: "xxxx"

5115: attribute "xxxx" is only allowed in a function definition

5116: the "transparent_union" attribute only applies to unions, and "type" is not a union

5117: the "transparent_union" attribute is ignored on incomplete types

5118: "type" cannot be transparent because entity-kind "entity" does not have the same size as the union

5119: "type" cannot be transparent because it has a field of type "type" which is not the same size as the union

5120: only parameters can be transparent

5121: the "xxxx" attribute does not apply to local variables

5122: attributes are not permitted in a function definition

5123: declarations of local labels should only appear at the start of statement expressions

5124: the second constant in a case range must be larger than the first

5125: an asm name is not permitted in a function definition

5126: an asm name is ignored "xxxx"

5128: modifier letter "xxxx" ignored in asm operand

5129: unknown asm constraint modifier "xxxx"

5130: unknown asm constraint letter '"xxxx"

5131: asm operand has no constraint letter

5132: an asm output operand must have one of the '=' or '+' modifiers

5133: an asm input operand may not have the '=' or '+' modifiers

5134: too many operands to asm statement (maximum is 30; '+' modifier adds an implicit operand)

5135: too many colons in asm statement

5136: register "xxxx" used more than once

5137: register "xxxx" is both used and clobbered

5138: register "xxxx" clobbered more than once

5139: register "xxxx" has a fixed purpose and may not be used in an asm statement

5140: register "xxxx" has a fixed purpose and may not be clobbered in an asm statement

5141: an empty clobbers list must be omitted entirely

5142: expected an asm operand

5143: expected a register to clobber

5144: "format" attribute applied to entity-kind "entity" which does not have variable arguments

5145: first substitution argument is not the first variable argument

5146: format argument index is greater than number of parameters

5147: format argument does not have string type

5148: the "template" keyword used for syntactic disambiguation may only be used within a template

5149: a debug option must be specified on the command-line for the db_opt pragma to be used

5150: more than one preinclude option specified

5151: attribute does not apply to non-function type "type"

5152: arithmetic on pointer to void or function type

5153: storage class must be auto or register

5154: "type" would have been promoted to "type" when passed through the ellipsis parameter; use the latter type instead

5155: "xxxx" is not a base class member

5156: __super cannot appear after "::"

5157: __super may only be used in a class scope

5158: __super must followed by "::"

5159: [%s instantiation contexts not shown]

5160: mangled name is too long

5161: declaration aliased to unknown entity "xxxx"

5162: declaration does not match its alias entity-kind "entity"

5163: entity declared as alias cannot have definition

5164: variable-length array field type will be treated as zero-length array field type

5165: nonstandard cast on lvalue ignored

5166: unrecognized flag name

5167: void return type cannot be qualified

5168: the auto specifier is ignored here (invalid in standard C/C++)

5169: a reduction in alignment without the "packed" attribute is ignored

5170: a member template corresponding to "entity" is declared as a template of a different kind in another translation unit

5171: excess initializers are ignored

5172: va_start should only appear in a function with an ellipsis parameter

5173: the "short_enums" option is only valid in GNU C mode

5174: invalid export information file "xxxx" at line number "xxxx"

5175: statement expressions are only allowed in block scope

5176: from translation unit

5177: an asm name is ignored on a non-register automatic variable

5178: inline function also declared as an alias; definition ignored

5179: cannot initialize __ev64_opaque__ from a brace enclosed list (first cast to a specific ev64 type)

5180: priority out of range

5181: improper object type or scope, attribute ignored

5182: inline entity-kind "entity" was declared but never referenced

5183: unrecognized UPC pragma

5184: shared block size does not match one previously specified

5185: bracketed expression is assumed to be a block size specification rather than an array dimension

5186: the block size of a shared array must be greater than zero

5187: multiple block sizes not allowed

5188: strict or relaxed requires shared

5189: THREADS not allowed in this context

5190: block size specified exceeds the maximum value of "xxxx"

5191: function returning shared is not allowed

5192: only arrays of a shared type can be dimensioned to a multiple of THREADS

5193: one dimension of an array of a shared type must be a multiple of THREADS when the number of threads is nonconstant

5194: shared type inside a struct or union is not allowed

5195: parameters may not have shared types

5196: a dynamic THREADS dimension requires a definite block size

5197: shared variables must be static or extern

5198: argument of upc_blocksize of is a pointer to a shared type (not shared type itself)

5199: affinity expression ignored in nested upc_forall

5200: branching into or out of a upc_forall loop is not allowed

5201: affinity expression must have a shared type or point to a shared type

5202: affinity has shared type (not pointer to shared)

5203: shared void* types can only be compared for equality

5204: UPC mode is incompatible with C++ and K&R modes

5205: null (zero) character in input line ignored

5206: null (zero) character in string or character constant

5207: null (zero) character in header name

5208: declaration in for-initializer hides a declaration in the surrounding scope

5209: the hidden declaration is at line "xxxx"

5210: the prototype declaration of *entity-kind "entity"* (declared at line *xxxx*) is ignored after this unprototyped redeclaration

5211: attribute ignored on typedef of class or enum types

5212: *entity-kind* "*entity*" must have external C linkage

5213: variable declaration hides declaration in for-initializer

5214: typedef "xxxx" may not be used in an elaborated type specifier

5215: call of zero constant ignored

5216: parameter "xxxx" may not be redeclared in a catch clause of function try block

5217: the initial explicit specialization of *entity-kind "entity"* must be declared in the namespace containing the template

5218: "cc" clobber ignored

5219: "template" must be followed by an identifier

5220: MYTHREAD not allowed in this context

5221: layout qualifier cannot qualify pointer to shared

5222: layout qualifier cannot qualify an incomplete array

5223: declaration of "xxxx" hides handler parameter

5224: nonstandard cast to array type ignored

5225: this pragma cannot be used in a _Pragma operator (a #pragma directive must be used)

5226: field uses tail padding of a base class

5227: GNU C++ compilers may use bit field padding

5228: use of %nd is deprecated: %s

5229: an asm name is not allowed on a nonstatic member declaration

5230: unrecognized format function type "xxxx" ignored

5231: base class "entity" uses tail padding of base class "entity"

5232: the "init_priority" attribute can only be used for definitions of static data members and namespace scope variables of class types

5233: requested initialization priority is reserved for internal use

5234: this anonymous union/struct field is hidden by *entity-kind* "*entity*" (declared at line *xxxx*)

5235: invalid error number

5236: invalid error tag

5237: expected an error number or error tag

5238: size of class is affected by tail padding

5239: labels can be referenced only in function definitions

5240: transfer of control into a statement expression is not allowed

5241: transfer of control out of a statement expression is not allowed

5242: this statement is not allowed inside of a statement expression

5243: a non-POD class definition is not allowed inside of a statement expression

5244: destructible entities are not allowed inside of a statement expression

5245: a dynamically-initialized local static variable is not allowed inside of a statement expression

5246: a variable-length array is not allowed inside of a statement expression

5247: a statement expression is not allowed inside of a default argument

5248: nonstandard conversion between pointer to function and pointer to data

5249: interface types cannot have virtual base classes

5250: interface types cannot specify "private" or "protected"

5251: interface types can only derive from other interface types

5252: "type" is an interface type

5253: interface types cannot have typedef members

5254: interface types cannot have user-declared constructors or destructors

5255: interface types cannot have user-declared member operators

5256: interface types cannot be declared in functions

5257: cannot declare interface templates

5258: interface types cannot have data members

5259: interface types cannot contain friend declarations

5260: interface types cannot have nested classes

5261: interface types cannot be nested class types

5262: interface types cannot have member templates

5263: interface types cannot have static member functions

5264: this pragma cannot be used in a __pragma operator (a #pragma directive must be used)

5265: qualifier must be base class of "type"

5266: declaration must correspond to a pure virtual member function in the indicated base class

5267: integer overflow in internal computation due to size or complexity of "type"

5268: integer overflow in internal computation

5269: __w64 can only be specified on int, long, and pointer types

5270: potentially narrowing conversion when compiled in an environment where int, long, or pointer types are 64 bits wide

5271: current value of pragma pack is "xxxx"

5272: arguments for pragma pack(show) are ignored

5273: invalid alignment specifier value

5274: expected an integer literal

5275: earlier __declspec(align(...)) ignored

5276: expected an argument value for the "xxxxx" attribute parameter

5277: invalid argument value for the "xxxx" attribute parameter

5278: expected a boolean value for the "xxxx" attribute parameter

5279: a positional argument cannot follow a named argument in an attribute

5280: attribute "xxxx" 1 has no parameter named "xxxx"

5281: expected an argument list for the "xxxx" attribute

5282: expected a "," or "]"

5283: attribute argument "xxxxx" has already been given a value

5284: a value cannot be assigned to the "xxxx" attribute

5285: a throw expression may not have pointer-to-incomplete type

5286: alignment-of operator applied to incomplete type

5287: "xxxx" may only be used as a standalone attribute

5288: "xxxx" attribute cannot be used here

5289: unrecognized attribute "xxxx"

5290: attributes are not allowed here

5291: invalid argument value for the "xxxx" attribute parameter

5292: too many attribute arguments

5293: conversion from inaccessible base class "type" is not allowed

5294: option "export" requires distinct template signatures

5295: narrow and wide string literals cannot be concatenated

5296: GNU layout bug not emulated because it places virtual base "entity" outside "entity" object boundaries

5297: virtual base "entity" placed outside "entity" object boundaries

5298: nonstandard qualified name in namespace member declaration

5299: reduction in alignment ignored

5300: const qualifier ignored

5301: return statement in function marked with "noreturn"

5302: invalid GNU asm qualifiers

5303: non-POD class type passed through ellipsis

5304: a non-POD class type cannot be fetched by va_arg

5305: the 'u' or 'U' suffix must appear before the 'l' or 'L' suffix in a fixed-point

literal

5306: option "fixed_point" can be used only when compiling C

5307: integer operand may cause fixed-point overflow

5308: fixed-point constant is out of range

5309: fixed-point value cannot be represented exactly

5310: constant is too large for long long; given unsigned long long type

(nonstandard)

5311: layout qualifier cannot qualify pointer to shared void

5312: duplicate THREADS in multidimensional array type

5313: a strong using-directive may only appear in a namespace scope

5314: entity-kind "entity" declares a non-template function -- add <> to refer to a

template instance

5315: operation may cause fixed-point overflow

5316: expression must have integral, enum, or fixed-point type

5317: expression must have integral or fixed-point type

5318: function declared with "noreturn" does return

5319: asm name ignored because it conflicts with a previous declaration

5320: class member typedef may not be redeclared

5321: taking the address of a temporary

5322: attributes are ignored on a class declaration that is not also a definition

- 5323: fixed-point value implicitly converted to floating-point type
- 5324: fixed-point types have no classification
- 5325: a template parameter may not have fixed-point type
- 5326: hexadecimal floating-point constants are not allowed
- 5327: option "named_address_spaces" can be used only when compiling C
- 5328: floating-point value does not fit in required fixed-point type
- 5329: value cannot be converted to fixed-point value exactly
- 5330: fixed-point conversion resulted in a change of sign
- 5331: integer value does not fit in required fixed-point type
- 5332: fixed-point operation result is out of range
- 5333: multiple named address spaces
- 5334: variable with automatic storage duration cannot be stored in a named address space
- 5335: type cannot be qualified with named address space
- 5336: function type cannot be qualified with named address space
- 5337: field type cannot be qualified with named address space
- 5338: fixed-point value does not fit in required floating-point type
- 5339: fixed-point value does not fit in required integer type
- 5340: value does not fit in required fixed-point type
- 5341: option "named_registers" can be used only when compiling C
- 5342: a named-register storage class is not allowed here
- 5343: *entity-kind* "*entity*" (declared at line *xxxx*) redeclared with incompatible named-register storage class
- 5344: named-register storage class cannot be specified for aliased variable
- 5345: named-register storage specifier is already in use
- 5346: option "embedded_c" cannot be combined with options to control individual Embedded C features
- 5347: invalid EDG_BASE directory:
- 5348: cannot open predefined macro file: "xxxx"

5349: invalid predefined macro entry at line xxxx: xxxx

5350: invalid macro mode name "xxxx"

5351: incompatible redefinition of predefined macro "xxxx"

5352: redeclaration of entity-kind "entity" (declared at line xxxx) is missing a

named-register storage class

5353: named register is too small for the type of the variable

5354: arrays cannot be declared with named-register storage class

5355: const_cast to enum type is nonstandard

5356: option "embedded_c" can be used only when compiling C

5357: a named address space qualifier is not allowed here

5358: an empty initializer is invalid for an array with unspecified bound

5359: function returns incomplete class type "type"

5360: entity-kind "entity" has already been initialized; the out-of-class initializer

will be ignored

5361: declaration hides entity-kind "entity"

5362: a parameter cannot be allocated in a named address space

5363: invalid suffix on fixed-point or floating-point constant

5364: a register variable cannot be allocated in a named address space

5365: expected "SAT" or "DEFAULT"

5366: *entity-kind "entity"* has no corresponding member operator deletexxxx (to be called if an exception is thrown during initialization of an allocated object)

5367: a thread-local variable cannot be declared with "dllimport" or "dllexport"

5368: a function return type cannot be qualified with a named address space

5369: an initializer cannot be specified for a flexible array member whose elements have a nontrivial destructor

5370: an initializer cannot be specified for an indirect flexible array member

5371: invalid GNU version number:

5372: variable attributes appearing after a parenthesized initializer are ignored

5373: the result of this cast cannot be used as an Ivalue

5374: negation of an unsigned fixed-point value

5375: this operator is not allowed at this point; use parentheses

5376: flexible array member initializer must be constant

5377: register names can only be used for register variables

5378: named-register variables cannot have void type

5379: __declspec modifiers not valid for this declaration

5380: parameters cannot have link scope specifiers

5381: multiple link scope specifiers

5382: link scope specifiers can only appear on functions and variables with external linkage

5383: a redeclaration cannot weaken a link scope

5384: link scope specifier not allowed on this declaration

5385: nonstandard qualified name in global scope declaration

5386: implicit conversion of a 64-bit integral type to a smaller integral type (potential portability problem)

5387: explicit conversion of a 64-bit integral type to a smaller integral type (potential portability problem)

5388: conversion from pointer to same-sized integral type (potential portability problem)

5389: the "sun_linker_scope" option is only valid in Sun mode

5390: friend specifier is not allowed in a class definition; friend specifier is ignored

5391: only static and extern variables can use thread-local storage

5392: multiple thread-local storage specifiers

5393: virtual *entity-kind* "*entity*" was not defined (and cannot be defined elsewhere because it is a member of an unnamed namespace)

5394: carriage return character in source line outside of comment or character/string literal

5395: expression must have fixed-point type

5396: invalid use of access specifier is ignored

5397: pointer converted to bool

5398: pointer-to-member converted to bool

5399: storage specifier ignored

5400: dllexport and dllimport are ignored on class templates

5401: base class dllexport/dllimport specification differs from that of the derived class

5402: redeclaration cannot add dllexport/dllimport to "entity" (declared at line xxxx)

5403: dllexport/dllimport conflict with "entity"; dllexport assumed

5404: cannot define dllimport entity

5405: dllexport/dllimport requires external linkage

5406: a member of a class declared with dllexport/dllimport cannot itself be declared with such a specifier

5407: field of class type without a DLL interface used in a class with a DLL interface

5408: parenthesized member declaration is nonstandard

5409: white space between backslash and newline in line splice ignored

5410: dllexport/dllimport conflict with "entity"; dllimport/dllexport dropped

5411: invalid member for anonymous member class -- class "type" has a disallowed member function

5412: nonstandard reinterpret cast

5413: positional format specifier cannot be zero

5414: a local class cannot reference a variable-length array type from an enclosing function

5415: member *entity-kind* "*entity*" already has an explicit dllexport/dllimport specifier

5416: a variable-length array is not allowed in a function return type

5417: variable-length array type is not allowed in pointer to member of type "type"

5418: the result of a statement expression cannot have a type involving a variable-length array

1.3 Assembler Error Messages

Assembler messages have the format:

```
"file", line #: severity: message
```

Three kinds of messages are generated. The severity values for each as they appear in messages are as follows.

warning

Warning: a message will be printed, assembly will continue, and an output file will be produced.

error

Error: a message will be printed, assembly will continue, but no output will be generated.

fatal

Fatal: a message will be printed and assembly aborted.

Assembler messages are intended to be clear in the context of the error and are not listed here. Please report unclear assembler error messages to Customer Support.

1.4 Linker Error Messages

1.4.1 Linker Message Format

Linker messages have the format:

```
DLD.EXE: message
```

Where relevant, the file and line are included in the message.

The severity level for each message is shown in parentheses in the message description. A warning (w) generates a diagnostic message, but linking continues and an output file is produced. An error (e) causes the linker to abort.

1.4.2 Linker Message Detail

"." (0x...) is assigned invalid value: 0x...

Assignment to "." creates a gap in section data. The size of this gap should not be negative and should be less 0x4000000. (e)

Absolute section has invalid name: name

Absolute section name must be ".abs.hexNumber". (e)

An unknown or incorrect option has been provided

The linker does not recognize an option flag that has been passed to it. (w)

Archive file filename does not have symbol table

An archive file must have a symbol table to be usable by the linker. Use **dar** to create the table. (e)

ASSERT failed: assertion

(Message may include the **assert** expression.) Contact Customer Support. (e)

Assignment to symbol "symbol" in the LECL file is ignored

The symbol is defined in an input object file

The linker command file cannot redefine a symbol that is already defined in an input object file. (w)

Cannot allocate 0x... bytes of memory for "name"

The **MEMORY** directive in the linker command language is used to specify the regions from which the linker can allocate memory. When there is not enough space to contain a group, section, or **NEXT** directive, an error message is generated. (e)

Cannot allocate branch island

The linker cannot calculate the address or size of a branch island. The circular dependencies are too complex. (e)

Cannot calculate address of group

Complex circular dependencies cannot be resolved. Linker command language and implicit linking rules constitute an equation system which can be unsolvable, resulting in this or similar error message. (e)

Cannot calculate address of section section

Complex circular dependencies cannot be resolved. Linker command language and implicit linking rules constitute an equation system which can be unsolvable, resulting in this or similar error message. (e)

Cannot calculate OVERFLOW size expression

Complex circular dependencies cannot be resolved. An expression value depends on the address or size of a symbol or section, which in turn depends directly or implicitly on the expression value. Example:

```
X = SIZEOF(Y); Y (DATA) : { . = . + X; }
```

Linker command language and implicit linking rules constitute an equation system which can be unsolvable, resulting in this or similar error message. (e)

Cannot calculate size of group

Complex circular dependencies cannot be resolved. Linker command language and implicit linking rules constitute an equation system which can be unsolvable, resulting in this or similar error message. (e)

Cannot create branch island - section section is too large

Branch islands are created between input sections. If an input section is too large it might not be possible to create an island for that branch.

Cannot create Branch Island for Arm to Thumb call, function name Contact Customer Support. (e)

Cannot create Branch Island for Thumb to Arm call, function name Contact Customer Support. (e)

Cannot create position independent branch island: __SDA2_BASE_ is undefined -Xpic-only needs the symbol __SDA2_BASE_ to be defined. (e)

Cannot evaluate expression

Complex circular dependencies cannot be resolved. Linker command language and implicit linking rules constitute an equation system which can be unsolvable, resulting in this or similar error message. (e)

Cannot evaluate fill value expression

Complex circular dependencies cannot be resolved. Linker command language and implicit linking rules constitute an equation system which can be unsolvable, resulting in this or similar error message. (e)

Cannot evaluate value of symbol symbol

Complex circular dependencies cannot be resolved. Linker command language and implicit linking rules constitute an equation system which can be unsolvable, resulting in this or similar error message. (e)

Cannot find matching input sections for "..."

Input section specification does not match any input. (w)

Cannot find overflow output section "section"

Invalid section name in **OVERFLOW** statement. No such section defined in linker command file. (e)

Cannot get current directory name

Call to **getcwd()** failed. (e)

Cannot rename "filename", error: message

The host operating system reported an error renaming the file. Check the permissions on the directory where the file resides. This usually means that you are not permitted to write in that directory. (e)

Cannot write relocation table: relocation type 0x... is not supported by COFF

This can occur when input and output have different formats (ELF to COFF) and some relocations cannot be converted. (e)

Cannot allocate memory (NEXT)

The **MEMORY** directive in the linker command language is used to specify the regions from which the linker can allocate memory. When there is not enough space to contain a group, section, or **NEXT** directive, an error message is generated. (e)

Cannot calculate size of section "section": "." (0x...) is assigned invalid value: 0x...

Can't calculate size of section section: it depends on section address ...

Can't calculate size of section section: it depends on section address....

The section might require alignment specification

Complex circular dependencies cannot be resolved. Linker command language and implicit linking rules constitute an equation system which can be unsolvable, resulting in this or similar error message. (e)

Can't create file name

Can't create file name: ...

The host operating system returned an error when **dld** tried to create a file. The permissions in the current directory probably don't allow your **dld** command to write in the directory. (e)

Can't create tempfile name: ...

The host operating system returned an error when **dld** tried to create a file. The permissions in the current directory probably don't allow your **dld** command to write in the directory. (e)

Can't find file: filename

The linker cannot locate the specified file. (e)

Can't find library: libname.a

The linker cannot locate the specified library. (e)

Can't find output section section

Invalid section name in linker command language expression. (e)

Can't find section section

Invalid section name in linker command language expression. (e)

Can't lseek on name: ...

Possibly an external task has shortened the file. More likely, this represents an internal error in the **dld** code. Please collect a test case to reproduce the problem and contact Customer Support. (e)

Can't open filename: ...

The host operating system returned an error when **dld** tried to read the file. Check the permissions on the file and the full pathname to the file. Perhaps there is a spelling error in the path. (e)

Can't open tempfile name: ...

The host operating system returned an error when **dld** tried to read the file. Check the permissions on the file and the full pathname to the file. Perhaps there is a spelling error in the path. (e)

Can't search unused sections, main entry symbol "symbol" is undefined

This warning should not be generated since the current linker deletes such symbols silently. (w)

Can't search unused sections, main entry symbol "symbol" has absolute address

This warning should not be generated since the current linker deletes such symbols silently. (w)

COMMON object is eclipsed by a function definition:

Function name: name

File: filename

A symbol of type **function** is defined with the same name as a **COMMON** object. (w)

Compression switch function "function" is undefined

PowerPC compressed code only. When **-Xmixed-compression** is on, symbols **__switch_to_uncompressed** and **__switch_to_compressed** must be defined in an input object files. (e)

Don't know where to allocate input section:

no matching input specification found in linker command file.

Section name: section

File: filename

Change linker command file to include explicit instructions on how to link this section. If the "section name" referred to in the message is .ctors or .dtors, you may be using an old linker command file that specifies .init and .fini instead of .ctors and .dtors. (w)

Don't know where to put COMMONs! No .bss and no COMMON directive Found a COMMON variable but linker command file has no .bss nor COMMON. (e)

Don't know where to put small COMMONs! No .sbss and no SCOMMON directive

Found a small **COMMON** variable but linker command file has no **.sbss** nor **SCOMMON**. (e)

End of memory

All internal structures used in the linker are dynamically allocated. When the host operating system cannot provide more memory, the linker aborts with an error message. On UNIX, change the amount of memory your shell allows with the **limit** or **ulimit** command; if that does not work, increase your swap area. On Windows, increase your swap area (virtual memory). (e)

Environment variable "RTAPROJECT" must be set

The variable must be set when **-Xgenerate-vmap** is used. (This option is not intended to be set by the user.) (e)

Failed to read file name: ...

The host operating system reported a read error. Perhaps the file's permissions were changed by another task after **dld** opened it successfully. (e)

Failed to read file *name*: file is empty

The host operating system reported less data in the input file than **dld** expected. Probably the file is corrupted or was only partially written because the file system filled up before its writes were completed. You should recreate the file and retry your **dld** command. (e)

Failed to read file name from archive *name*

The host operating system reported a read error. Perhaps the file's permissions were changed by another task after **dld** opened it successfully. (e)

Failed to read from file name: ...

Failed to read from file name(...): ...

The host operating system reported a read error. Perhaps the file's permissions were changed by another task after **dld** opened it successfully. (e)

Failed to read from file name: end of file

The host operating system reported less data in the input file than **dld** expected. Probably the file is corrupted or was only partially written because the file system filled up before its writes were completed. You should recreate the file and retry your **dld** command. (e)

Failed to write to file name: ...

The host operating system reported a write error. Perhaps the file's permissions were changed by another task after **dld** opened it successfully. Perhaps the file partition has filled up, leaving insufficient room for the file. (e)

File filename does not have symbol table section

File filename(...) does not have symbol table section

Invalid input file: no symbol table. (e)

File filename has invalid relocation section

File filename(...) has invalid relocation section

Invalid input file: invalid reference to relocation information. (e)

File has wrong byte order, file filename

Invalid ELF header: Byte order neither big-endian nor little-endian. (e)

File has wrong class, file filename

Invalid or unsupported ELF class in input file header. (e)

File has wrong version, file filename

Invalid or unsupported ELF version in input file header. (e)

File is not an ELF file, file filename

Linker assumed file to be ELF but it does not have valid ELF header. (e)

File filename is not of known format

Supported formats are COFF, ELF, archive, and linker command language. (e)

File "filename", section "section", offset 0x...: Invalid relocation:

Input object file has relocation entry which cannot be processed. (e)

File type is not COFF, file filename

Contact Customer Support. (e)

File type is not ELF, file filename

Contact Customer Support. (e)

Generation of relocation entries without a symbol table is not possible Invalid -s option. (e)

... has BIND address, "> area-name" specification is ignored Contact Customer Support. (w)

Illegal -B option

-B must be followed by "=". (e)

Illegal expression

Contact Customer Support. (e)

Illegal filename *prefix*[COMMON], only * is allowed

Input specification must be *[COMMON], not xyz.o[COMMON]. (e)

Illegal option option

Option is not recognized. (w or e)

Illegal option -Xoption

Option is not recognized. (e)

Illegal usage of HEADERSZ in LECL file

Contact Customer Support. (e)

Illegal -Y option

-Y must be followed by ",". (e)

In file "filename", Section "section

Section offset 0x...

Symbol "symbol"

Invalid relocation entry

Input file has broken symbol table or relocation information. (e)

In file filename, symbol symbol has invalid value:

symbol is undefined (state 0x...), but value is not zero - 0x...

Invalid input file: The symbol table is defective. (w)

In LECL file "filename", line number,

name is not allocable, "> name" specification is ignored

Section or group is not allocatable; see ELF for section attributes. (w)

Input contains mix of little-endian and big-endian object files:

Aborted...

Linking a mix of little-endian and big-endian object files is not supported. (e)

Input contains mix of PPC COFF and ELF object files:

PPC COFF and ELF object files have incompatible calling conventions

Mixing PowerPC COFF and PowerPC ELF is dangerous. (w)

Input files contain code for mixed processors:

Only one file for each processor type is listed

Mixing code generated for different CPU types is dangerous. (w)

Insufficient memory

All internal structures used in the linker are dynamically allocated. When the host operating system cannot provide more memory, the linker aborts with an error message. On UNIX, change the amount of memory your shell allows with the **limit** or **ulimit** command; if that does not work, increase your swap area. On Windows, increase your swap area (virtual memory). (e)

Internal error: cannot calculate COFF header size

Contact Customer Support. (e)

Internal error: cannot calculate ELF header size

Contact Customer Support. (e)

Internal error: can't ADD symbol to non-hashed table

Contact Customer Support. (e)

Internal error: error counting undefines

Contact Customer Support. (e)

Internal error: illegal output file type

Contact Customer Support. (e)

Internal error: illegal/unsupported output format ...

Contact Customer Support. (e)

Internal error: no output file type set

Contact Customer Support. (e)

Internal error: not relocinfo

Contact Customer Support. (e)

Internal error: output buffer overflow

Contact Customer Support. (e)

Internal error: should not happen

Contact Customer Support. (e)

Invalid archive format, file filename

Archive file has invalid format. (e)

Invalid archive symbol table, file: filename

Invalid input file: The symbol table is defective. (e)

Invalid file header, file filename in archive archive

Contact Customer Support. (e)

Invalid fill pattern alignment, must be 1, 2, or 4

Invalid fill specification in section definition (SECTIONS command). (e)

Invalid fill pattern size, must be 1, 2, or 4

Invalid fill specification in section definition (SECTIONS command). (e)

Invalid option format: option

Valid format is *-optionName*[=*number*]. (e)

Invalid relocation info:

File "filename"

Section "section"

Section address 0x...size 0x...

Relocating reference at address 0x...

Can't relocate

Input object file has broken relocation information. (e)

Invalid section header in file "filename", section name "name"

Invalid input file: Invalid COMDAT section header. (e)

Invalid value of -Xmax-long-branch= option

The option sets the maximum branch offset which does not need a branch island. Some targets (like the PowerPC) have short and long branch instructions. Valid values are 2..0x7fffffff; using the option without a value is an error. (e)

Invalid value of -Xmax-short-branch= option

Valid values are 2..0x7ffffffff. Using the option without a value is an error. (e)

Machine type not supported, file filename

Machine type not supported, file filename(...)

Invalid input file: unsupported target CPU. (e)

Memory area "area-name" is full

Memory area specified in "> area-name" is full. (e)

Memory area "area-name" is undefined

Invalid name in "> area-name" specification. (e)

Memory block extends over 32 bit address range: ...

 $memory\ address + memory\ size >= 0x100000000.\ (w)$

Next alignment with zero!

Invalid argument of **NEXT()**. (e)

No main entry point defined

Executable output needs an entry point. (e)

No section names in file filename

Invalid input file: no section names string table. (e)

No string table in file filename

Invalid input file: no string table. (e)

Nothing to link

No object files are given in the command line. (e)

Only one COMMON allowed in LECL file

More than one input specification like *[COMMON] is not allowed in the linker command file. (e)

Only one SCOMMON allowed in LECL file

More than one input specification like *[SCOMMON] is not allowed in the linker command file. (e)

Out of memory reading archive archive

All internal structures used in the linker are dynamically allocated. When the host operating system cannot provide more memory, the linker aborts with an error message. On UNIX, change the amount of memory your shell allows with the **limit** or **ulimit** command; if that does not work, increase your swap area. On Windows, increase your swap area (virtual memory). (e)

Output file format not specified

Contact Customer Support. (e)

Output section "section" contains mix of compiled for compression and normal sections: The output section will not be prepared for compression

Mixing compressed and normal code in one section is illegal. (w)

Output sections: have overlapping load addresses

Incompatible specification of output sections. (e)

Output sections: have overlapping run-time addresses

Incompatible specification of output sections. (e)

Overlapping memory block block

Two or more MEMORY directives define the same memory area. (w)

Redeclaration of symbol

More than one definition of a symbol which is not **COMMON** or weak.

Register number in REGISTER() section specification must be in 0...*n* range Invalid register specification. (e)

Relocation error in file filename: section section refers to local symbol in section section and section is not taken to output

Linker failed to remove unused sections properly. file a SPR. Contact Customer Support. (e)

Relocation error in file *filename*:

section section refers to local symbol symbol at section section and section is purged COMDAT section

Linker failed to remove unused **COMDAT** sections. Contact Customer Support. (e)

Relocation info is not properly sorted, file *filename*, section *section* Relocation info is not properly sorted, file *filename*(...), section *section*

Input file has broken relocation information. (e)

Section .data (DATA) is not defined

COFF output must have a .data section. (e)

Section e_shstrndx is not a SHT_STRTAB in file "filename"

Section e_shstrndx is not a SHT_STRTAB in file "filename(...)"

Invalid input file: invalid ELF header. (e)

Section section extends over 32-bit address range

 $section \ address + section \ size >= 0x100000000. (w)$

Section .text (TEXT) is not defined

COFF output must have a .text section. (e)

Symbol "symbol" can't be declared relative

Symbol is declared as "... @ ... = ...

Section "section" is empty - can't be used for relative declaration

A section must have some input section to make relative declaration possible. (w)

Symbol "symbol" can't be declared relative

Symbol is declared as "... @ ... = ..."

Symbol "symbol" is absolute - can't be used for relative declaration

Base symbol must be declared inside a section. (w)

Symbol definition "name" not found

Symbol name is used in linker command file but symbol is undefined. (e)

Symbol definitions missing at index index in name

Contact Customer Support. (e)

Symbol "symbol" has unknown binding type

Contact Customer Support. (e)

Symbol symbol has unknown section index

Invalid symbol table in input ELF file. (w)

Symbol symbol has unknown symbol type

Input file has a symbol of an unknown or unsupported type. (e)

Symbol symbol in name is defined in unknown section

Invalid section table in input ELF file. (w)

Symbol symbol is declared with more than one size

Symbol symbol is declared with more than one size (n and m)

Conflicting definition for a **COMMON** variable. (w)

Symbol symbol is undefined but not used

This warning should not be generated since the current linker deletes such symbols silently. (w)

Symbol name missing. Must be defined when using shared libraries.

This message is no longer used. (e)

Symbol or section "name" not found

Invalid name in relative symbol definition in linker command file. (e)

Symbol _SDA_BASE_ is undefined

 $Symbol_SDA2_BASE_\ is\ undefined$

Symbol _SDA3_BASE_ is undefined

The symbol _SDAx_BASE_ is needed to process SDA (Small Data Area) relocations. (e)

Target architecture is not specified

Unknown target. (e)

Undefined symbol "symbol"

Undefined symbol "symbol" in file "filename"

Undefined symbol "symbol" in file "filename(...)"

An undefined symbol is referenced. (w)

Undefined symbols found - no output written

The **MEMORY** directive in the linker command language is used to specify the regions from which the linker can allocate memory. When there is not enough

space to contain a group, section, or **NEXT** directive, an error message is generated. (e)

Unknown relocation type in name

Contact Customer Support. (e)

Unsupported file format: "name"

Supported formats are COFF, ELF, archive, and linker command language. (e)

Unsupported file type in archive

Supported formats in archives are COFF and ELF. (e)

Unsupported output file format

Selected combination of object-file format and target is not supported. (e)

Unsupported relocation type ...

Unsupported relocation type in file "filename"

Input file has unsupported relocation type. (e)

Unused symbols search failure, symbol: symbol

The linker failed while attempting to find and delete unused symbols in object files. This could be caused by a linker bug, or by an object file that is corrupt, invalid, or in an unsupported format. (e)

Use -Xmixed-compression command line option to enable generation of compression switches

PowerPC compressed code only. The switches are codes which change the CPU mode from compressed code to normal code and back. (e)

Value of "." is undefined outside a section or group

Illegal use of "." in linker command file. (e)

-Xstop-on-warning is on, linking aborted

The linker stopped after issuing a warning because the **-Xstop-on-warning** option is enabled. (e)

Wind River Compiler Error Messages Reference, 5.6