



THE
DEVELOPER'S
CONFERENCE

Trilha C/C++

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Sócio-Desenvolvedor da



Entendendo a Compilação



Onde sou? Quem estou?

- Segurança da Informação
 - Sistema de Controle de Usuários e Aplicações
 - Criptografia de Discos



Onde sou? Quem estou?

- Análise de Trojans
 - Engenharia Reversa
 - Crash Dump Analysis



Onde sou? Quem estou?

- Mercado Financeiro
 - Alto Desempenho
 - Análise de Risco



Onde sou? Quem estou?



- Mercado Financeiro
 - Alto Desempenho
 - Algoritmos
 - Cotações
 - Mobile

Onde sou? Quem estou?

The image features a dark background with a financial candlestick chart. A prominent dashed white line slopes downwards from the top left, labeled '78.60%'. To the left of the chart, the text 'IntelOrder' is displayed in white, with 'Intel' in a standard font and 'Order' in a bold, orange font. Below this, the text 'Gerenciador de Ordens' is written in a smaller white font. A solid orange horizontal line is positioned just below the 'IntelOrder' text.

IntelOrder

Gerenciador de Ordens

Onde sou? Quem estou?

InteliMobile

Plataforma Móvel para iPhone



Ativo	Ult. %	OfC	OfV
IBOV IBOVESPA	52532.51 +2.7%	--	--
PETR4 PETROBRAS PN	20.33 +1.3%	20.33 Qtd. 1k	20.37 Qtd. 3k
PETR3	22.25	22.20	22.20

Onde sou? Quem estou?

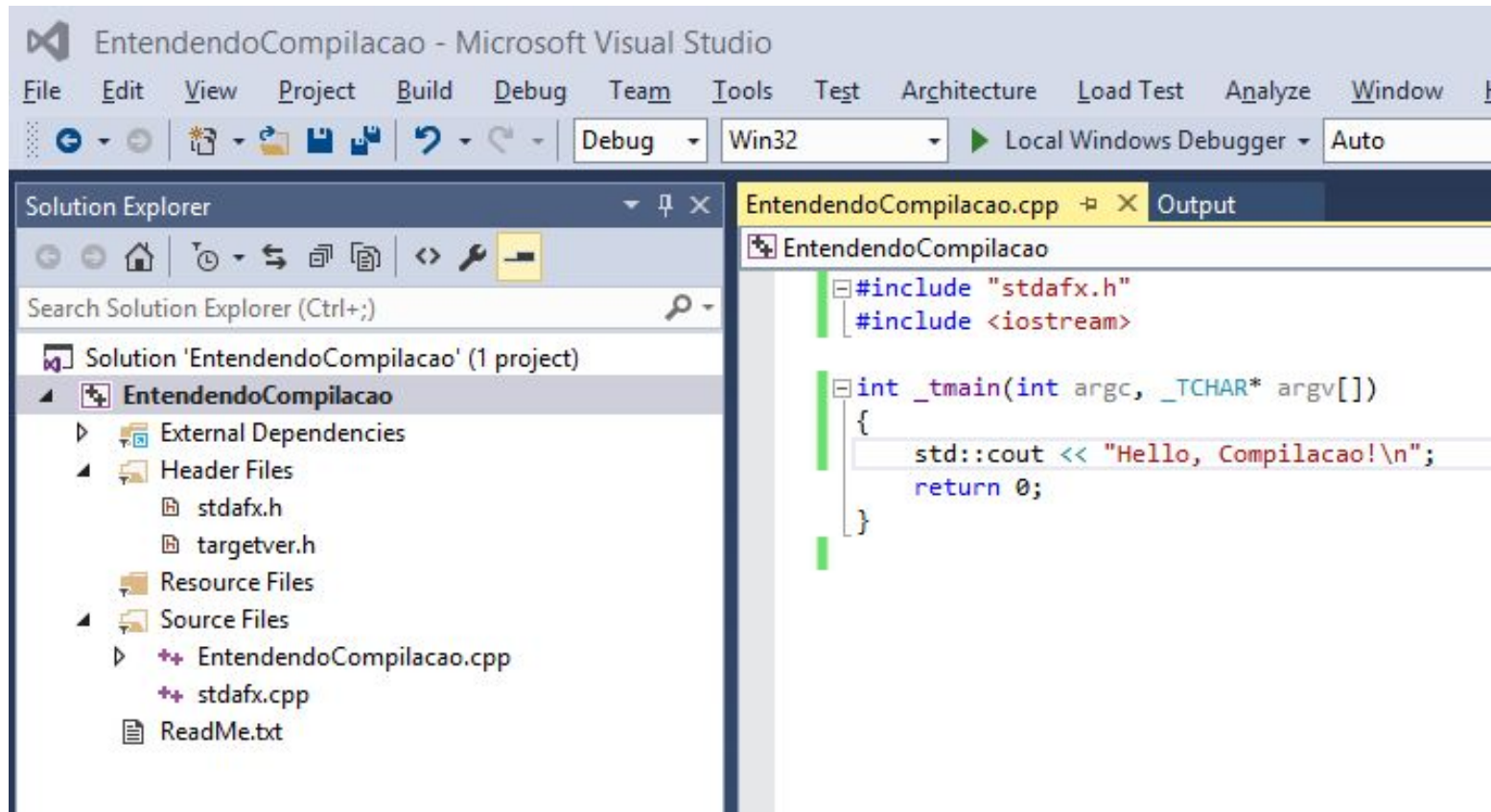
A horizontal banner with a black background. On the left, the text 'IntelMarket' is displayed in white and orange. Below it, the text 'Flexibilidade em Market Data' is followed by a bulleted list. The right side of the banner features a grayscale image of a tunnel formed by binary code (0s and 1s) receding into the distance.

IntelMarket

Flexibilidade em Market Data

- Balanceamento de Carga
- Certificado UMDf

Vamos ao que interessa?



Three Easy Steps

- Preprocessamento
- Compilação
- Linkedição

#include <Preprocessamento>

- Não faz parte da linguagem/sintaxe
- Uso excessivo desencorajado
- Substituição de arquivos e símbolos
- #
- #
- #
- ...

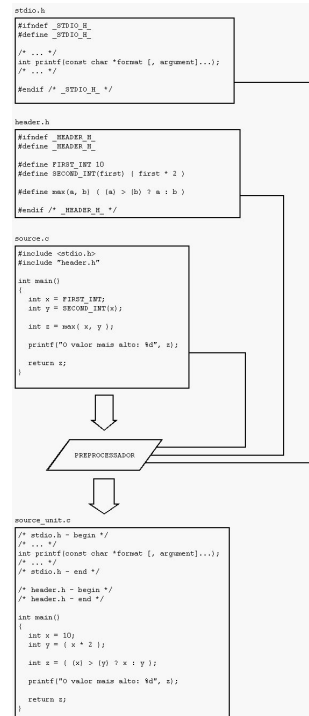
#include <Preprocessamento>

```
#ifndef __MEUHEADER__ // se já estiver definido, caio fora até endif
#define __MEUHEADER__

// conteúdo do header

#endif // __MEUHEADER__
```

#include <Preprocessamento>



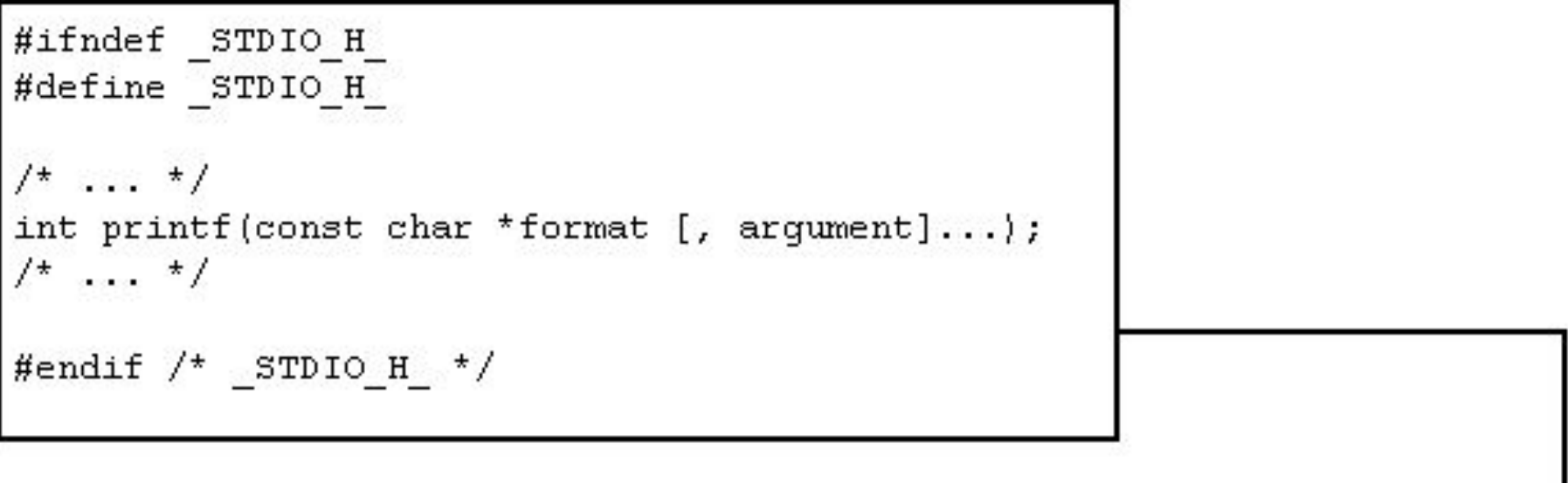
#include <Preprocessamento>

stdio.h

```
#ifndef _STDIO_H_
#define _STDIO_H_

/* ... */
int printf(const char *format [, argument]...);
/* ... */

#endif /* _STDIO_H_ */
```



#include <Preprocessamento>

header.h

```
#ifndef _HEADER_H_
#define _HEADER_H_

#define FIRST_INT 10
#define SECOND_INT(first) ( first * 2 )

#define max(a, b) ( (a) > (b) ? a : b )

#endif /* _HEADER_H_ */
```


#include <Preprocessamento>

source.c

```
#include <stdio.h>
#include "header.h"

int main()
{
    int x = FIRST_INT;
    int y = SECOND_INT(x);

    int z = max( x, y );

    printf("O valor mais alto: %d", z);

    return z;
}
```

#include <Preprocessamento>

source_unit.c

```
/* stdio.h - begin */
/* ... */
int printf(const char *format [, argument]...);
/* ... */
/* stdio.h - end */

/* header.h - begin */
/* header.h - end */

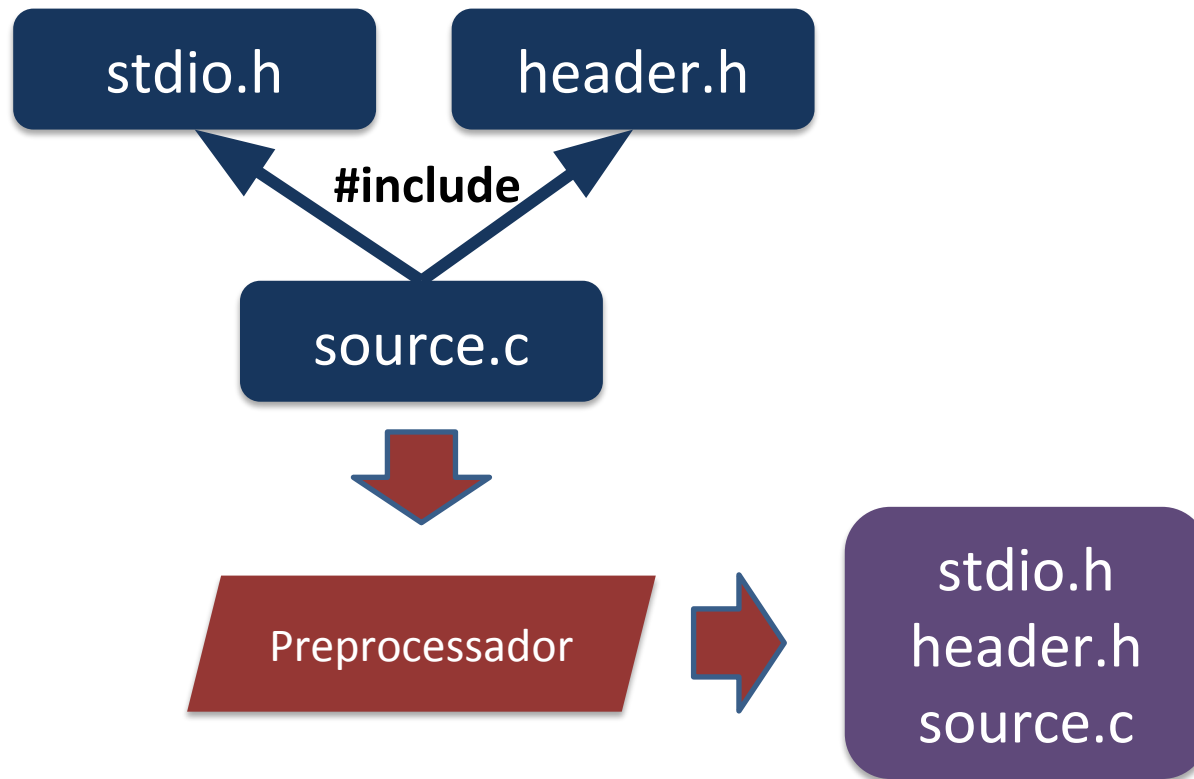
int main()
{
    int x = 10;
    int y = ( x * 2 );

    int z = ( (x) > (y) ? x : y );

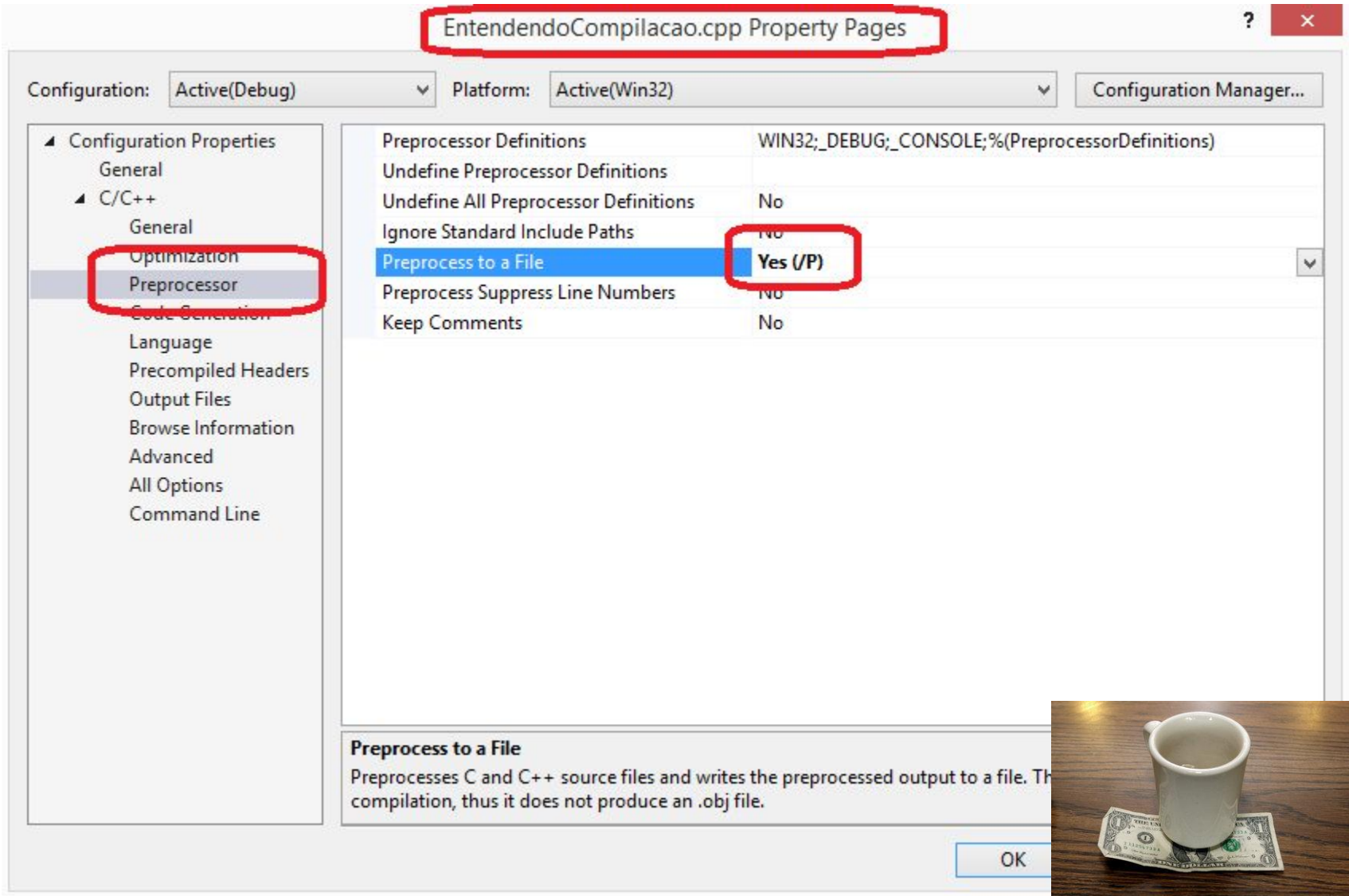
    printf("O valor mais alto: %d", z);

    return z;
}
```

#include <Preprocessamento>



#include <Preprocessamento>





Compilação

```
int cannotConvertError(const char* message)
{
    int ret = message[0]; return ret;
}
```

```
int ret = cannotConvertError(3);
```

error C2664: 'cannotConvertError' : cannot convert parameter 1 from 'int' to 'const char *'



Compilação

```
if( test() )  
    something;  
    something-else;  
else  
    else-something;
```

error C2181: illegal else without matching if



Compilação

```
while( (x < z) && func(x, func2(y) != 2 )  
{  
    something;  
}
```

error C2143: syntax error : missing ')' before '{'



Compilação



Developer Network

Technologies ▾

Downloads ▾

Programs ▾

Community ▾

Documentation ▾

Samples

- MSDN Library
- Development Tools and Languages
- Visual Studio 2013
- Visual C++
- Development Tools
- Building C/C++ Programs
- C/C++ Building Reference
- C/C++ Build Errors
 - ▀ Compiler Errors C2100 through C2199

Compiler Error C2100

Compiler Error C2104

Compiler Error C2105

Compiler Error C2106

Compiler Error C2107

Compiler Error C2108

Compiler Error C2109

Compiler Error C2112

Compiler Error C2117

Compiler Error C2118

Compiler Error C2120

Compiler Error C2143

Visual Studio 2013

Other Versions ▾

5 out of 9 rated this helpful - [Rate this topic](#)

syntax error : missing 'token1' before 'token2'

The compiler expected a specific token (that is, a language element other than white space) and fo

For information about this error when it occurs when you are using a function-try block, see [Knowl](#)

Check the [C++ Language Reference](#) to determine where code is syntactically incorrect. Because the

C2143 can occur in different situations.

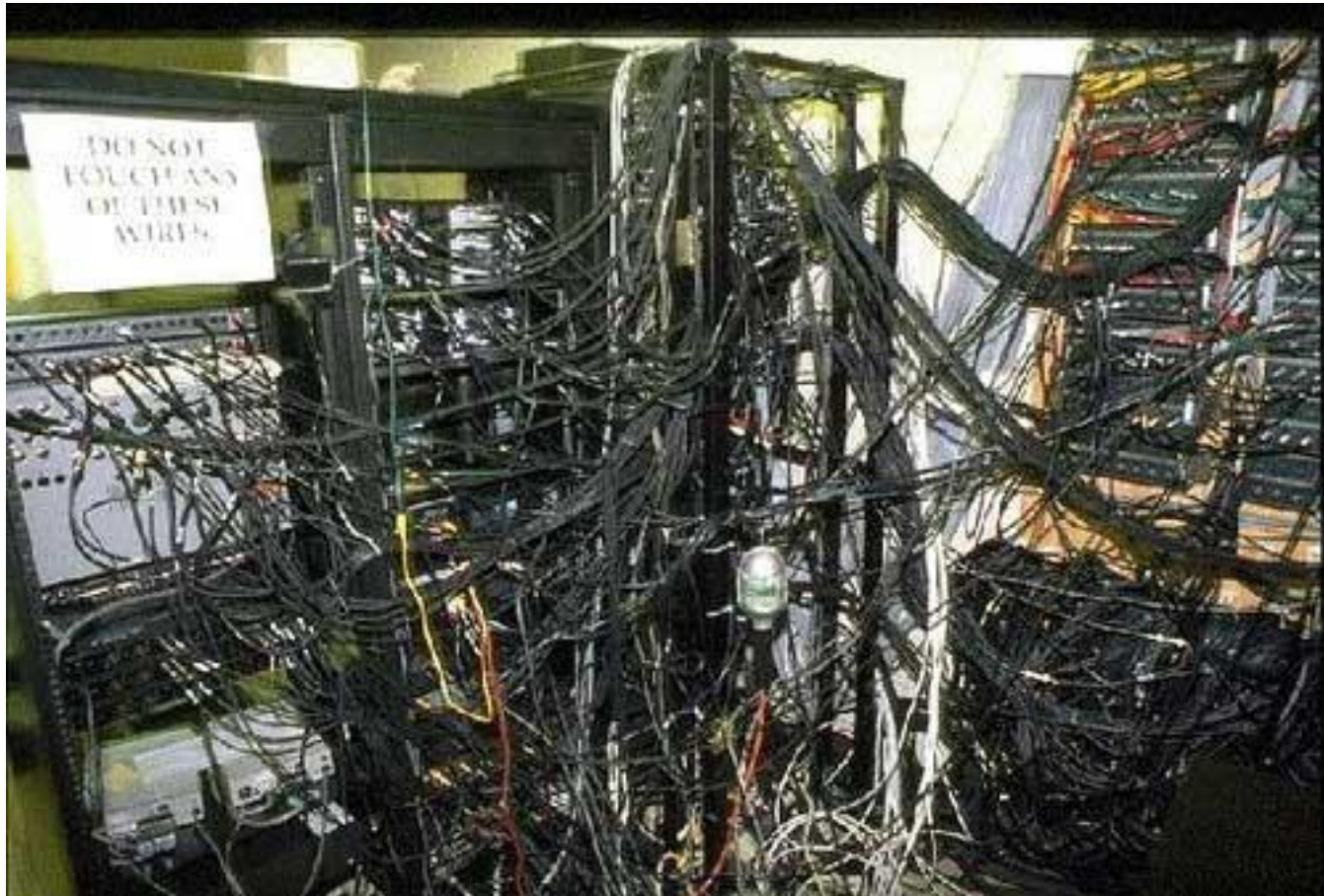
It can occur when an operator that can qualify a name (::, ->, and .) must be followed by the keywc

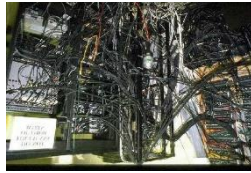
C++

```
class MyClass
{
    template<class Ty, typename PropTy>
    struct PutFuncType : public Ty::PutFuncType
    {
    };
};
```

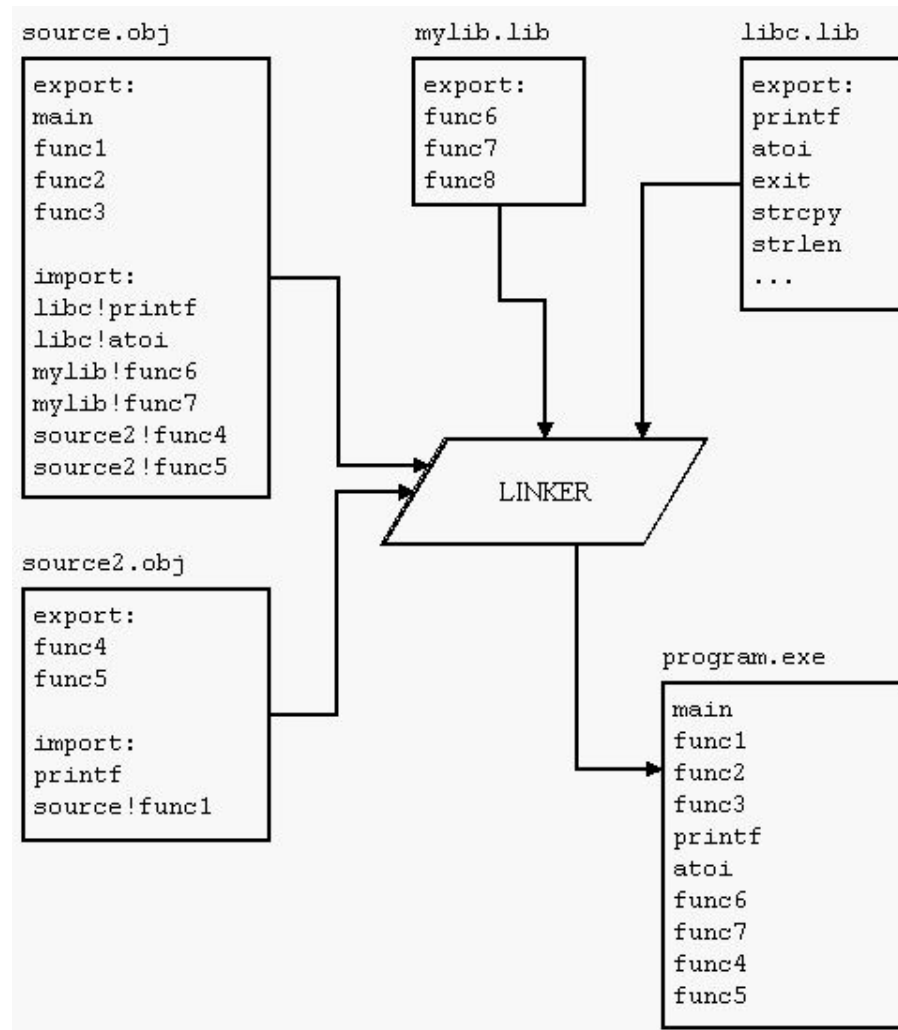


Linkedição



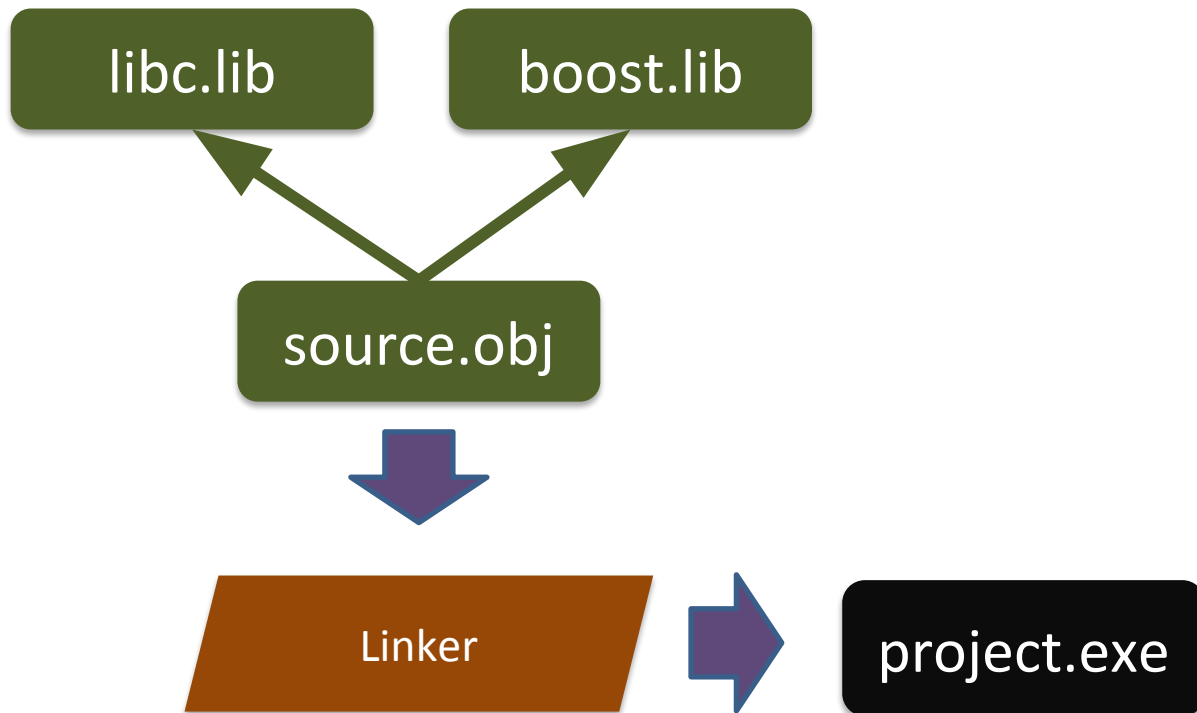


Linkedição





Linkedição



Perguntas?

e-mail

☐ wanderley@caloni.com.br

twitter

saite

The diagram illustrates the structure of the email address 'wanderley@caloni.com.br'. A large bracket above the address is labeled 'e-mail'. A smaller bracket below the '@caloni' part is labeled 'twitter'. Another bracket below the '.com.br' part is labeled 'saite'.