

ACH2001 - Introdução à Programação

Instalação do GCC no Windows 10

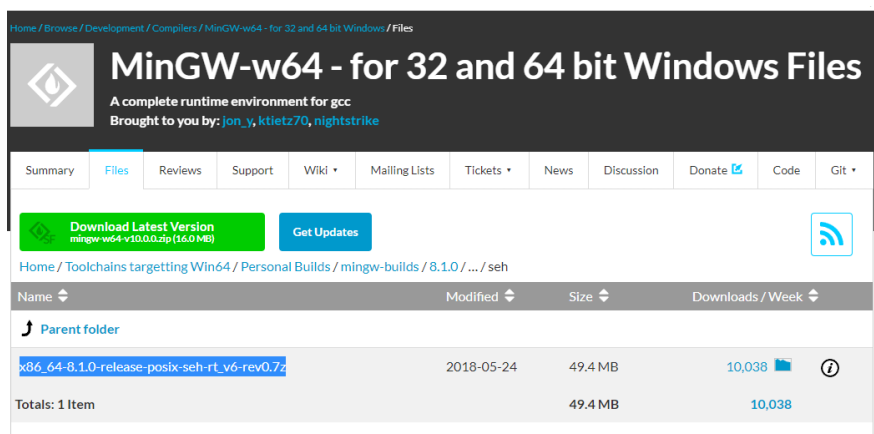
Nesse tutorial é apresentado o passo-a-passo da instalação do gcc com o MinGW-W64. Outra forma de instalação pode ser encontrada no seguinte tutorial:

<https://code.visualstudio.com/docs/cpp/config-mingw>

1. No caso do Sistema ser de 64 bits (ver em Sistema), pode-se escolher a primeira opção de download. Caso contrário, opte pelo segundo link para 32 bits.

- a. MinGW 64 bits (**x86_64-8.1.0-release-posix-seh-rt_v6-rev0.7z**):

<https://sourceforge.net/projects/mingw-w64/files/Toolchains%20targetting%20Win64/Personal%20Builds/mingw-builds/8.1.0/threads-posix/seh/>



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MinGW-w64 - for 32 and 64 bit Windows Files

A complete runtime environment for gcc
Brought to you by: [jon_y](#), [ktietz70](#), [nightstrike](#)

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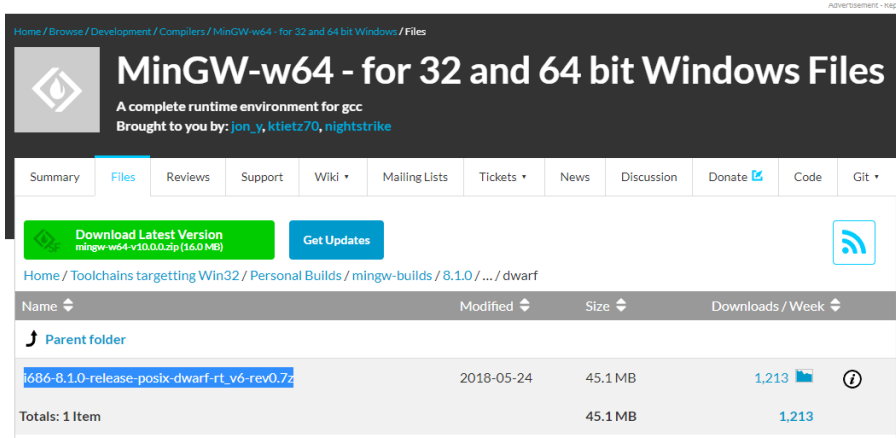
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Name	Modified	Size	Downloads / Week
Parent folder			
x86_64-8.1.0-release-posix-seh-rt_v6-rev0.7z	2018-05-24	49.4 MB	10,038
Totals: 1 Item		49.4 MB	10,038

- b. MinGW 32 bits (**i686-8.1.0-release-posix-dwarf-rt_v6-rev0.7z**):

<https://sourceforge.net/projects/mingw-w64/files/Toolchains%20targetting%20Win32/Personal%20Builds/mingw-builds/8.1.0/threads-posix/dwarf/>



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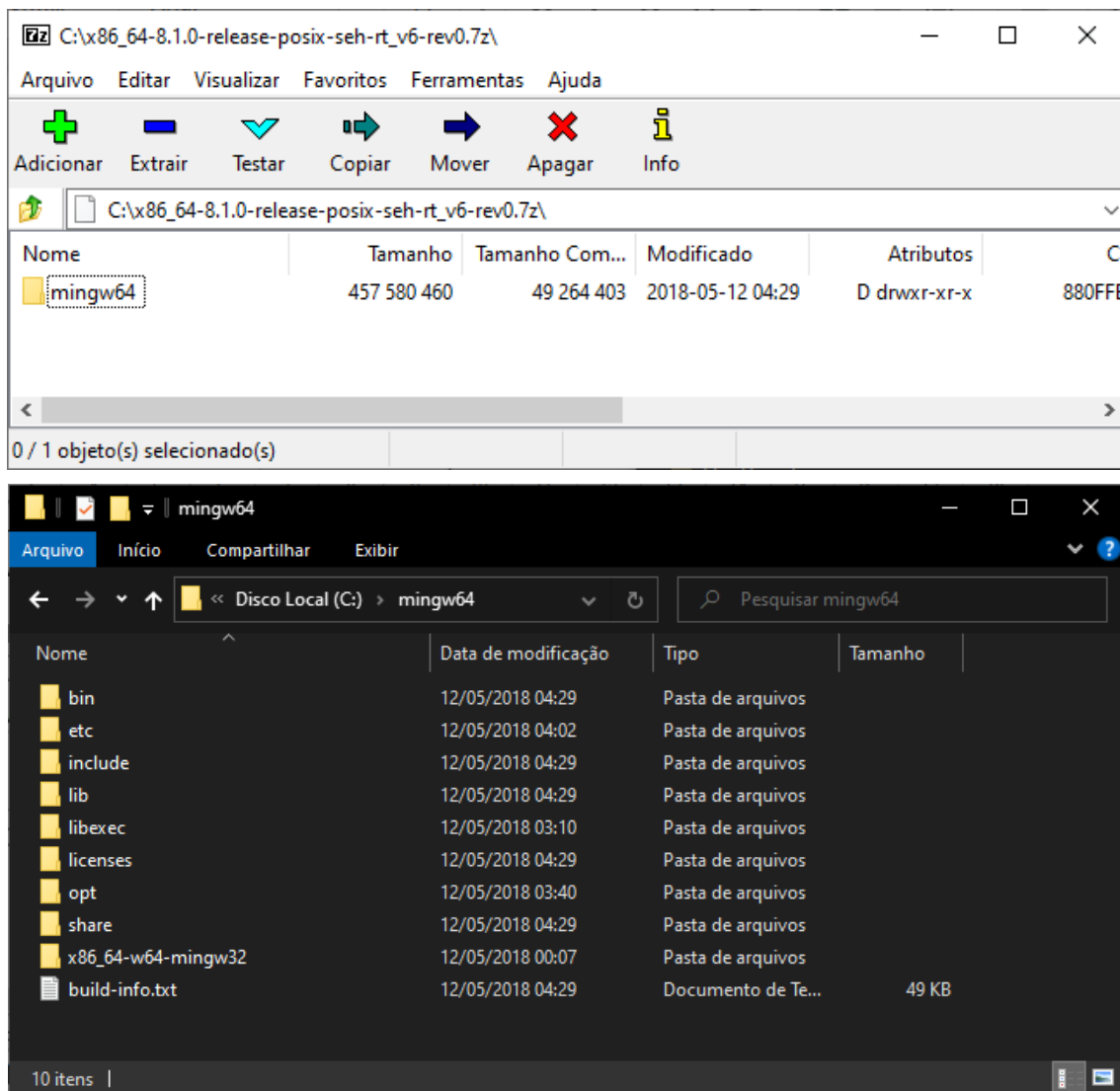
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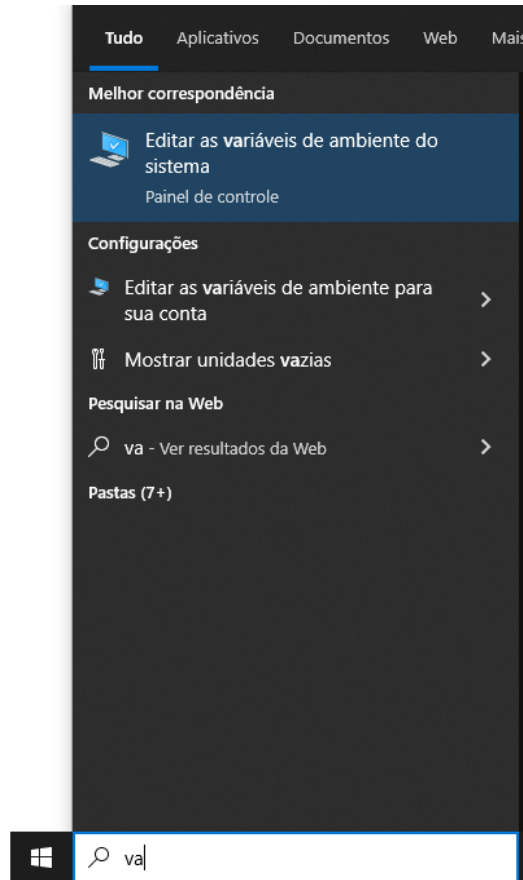
Home / Toolchains targetting Win32 / Personal Builds / mingw-builds / 8.1.0 / ... / dwarf

Name	Modified	Size	Downloads / Week
Parent folder			
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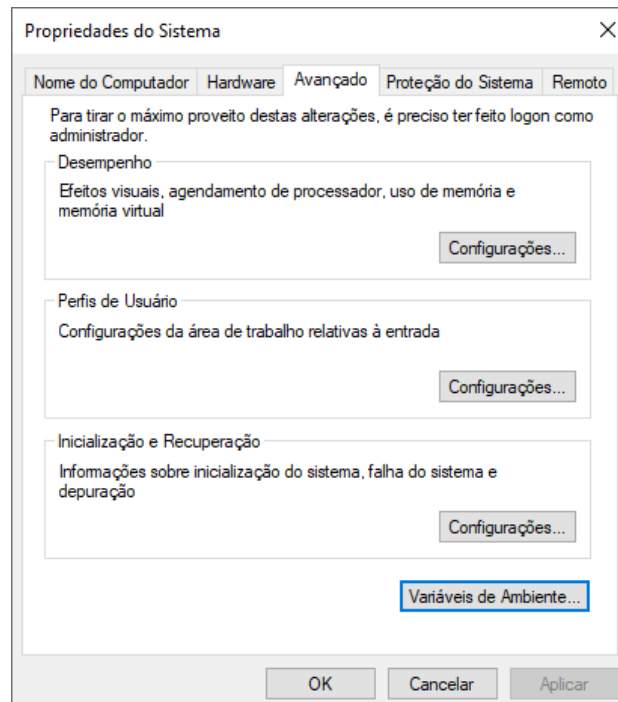
2. Em um **Disco local** (por exemplo o C:).
 - a. **Descompacte** o arquivo que foi obtido a partir de um dos links do passo anterior.



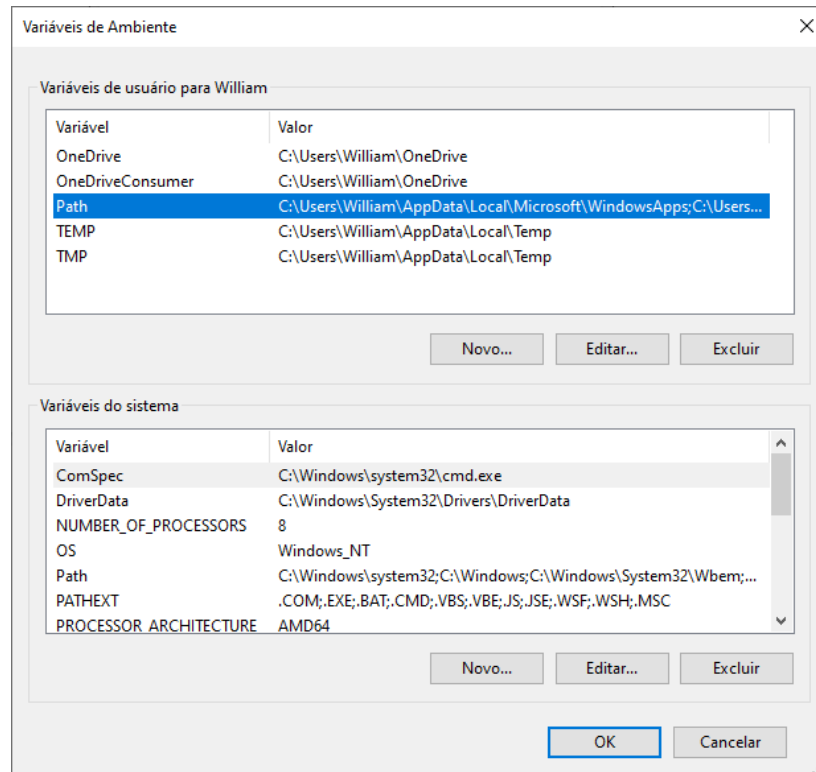
3. Na barra de tarefas.
 - a. Digite “**Variáveis de ambiente**”
 - b. Clique em “**Editar as variáveis de ambiente do sistema**”.



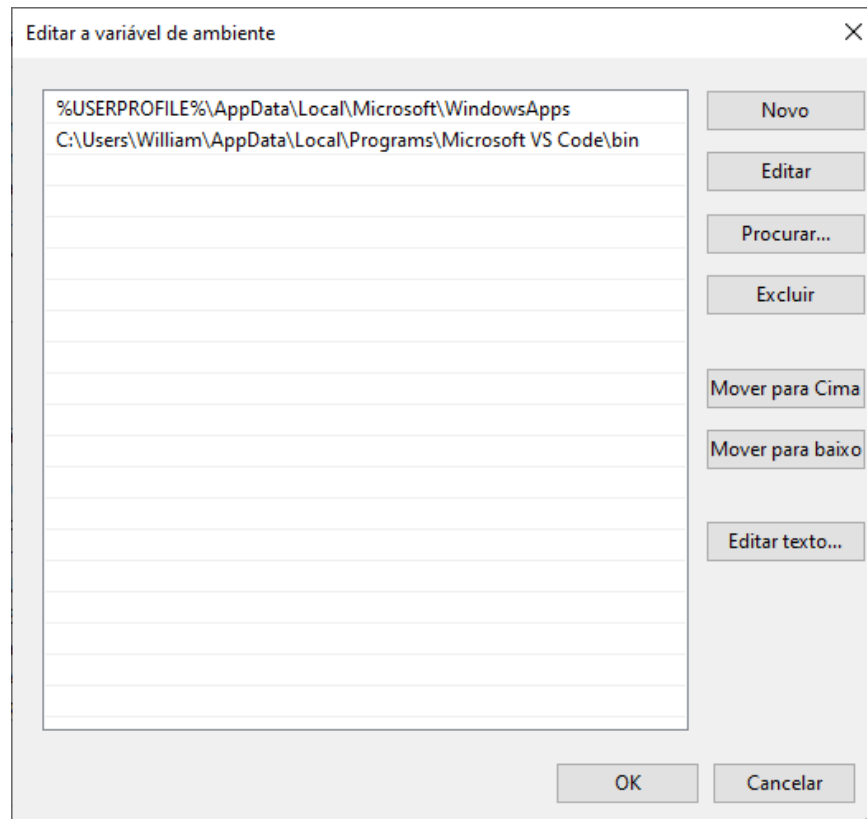
4. Em “**Propriedades do Sistema**”
 - a. Clique em “**Variáveis de Ambiente...**”



5. Nas “**Variáveis de usuário para ...**”.
 - a. Clique em **Path**
 - b. Clique no botão **Editar**.

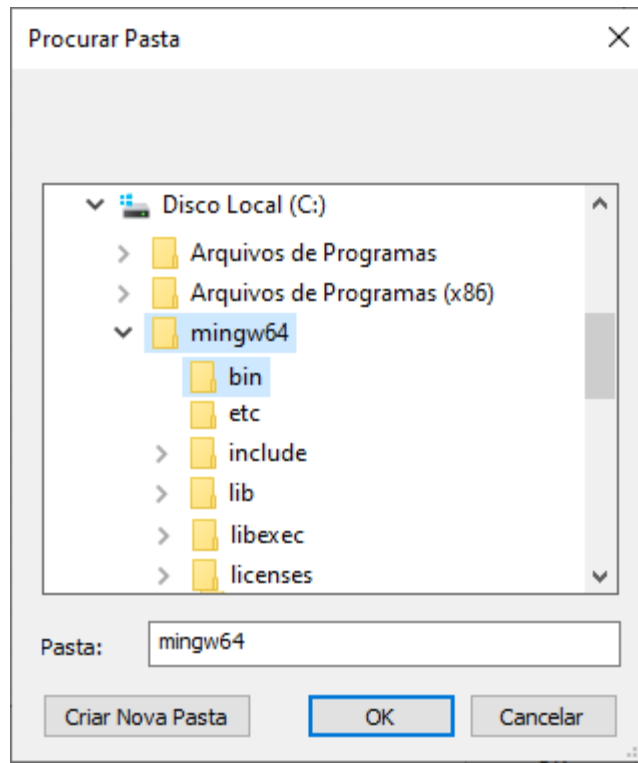


6. Em “**Editar a variável de ambiente**”.
 - a. Clique no botão **Novo**.
 - b. Clique no botão **Procurar**.



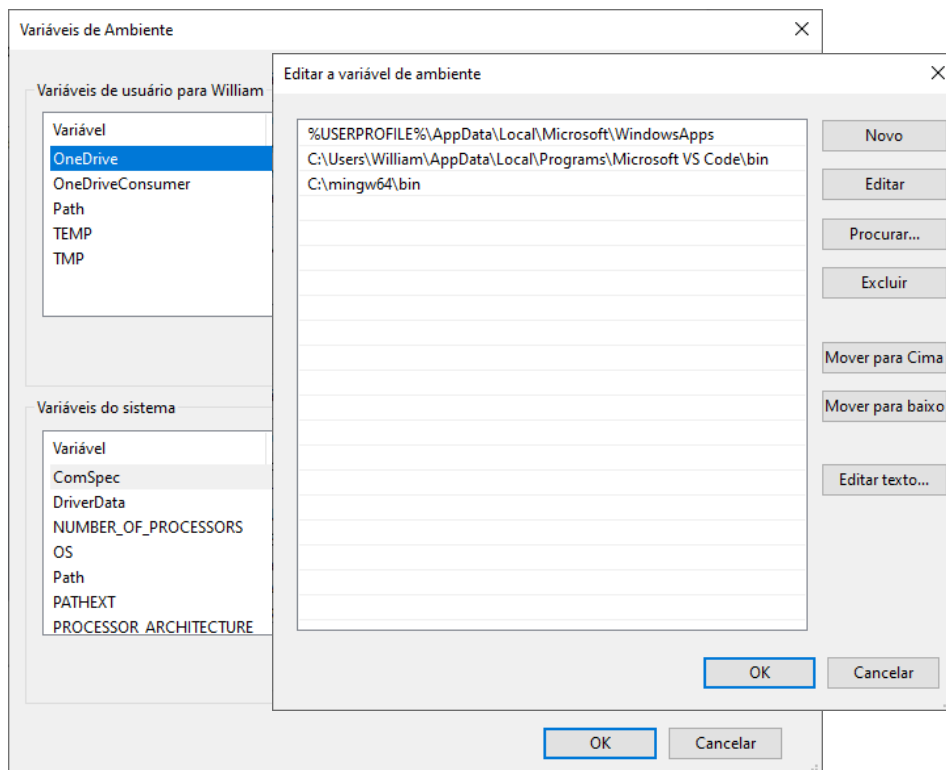
7. Em **Procurar Pasta**

- a. **Procure** o diretório descompactado (mingw64).
- b. Clique no diretório **bin** para marcar.
- c. Clique em **OK**.



8. Verifique se foi adicionado o caminho (**mingw64/bin**).

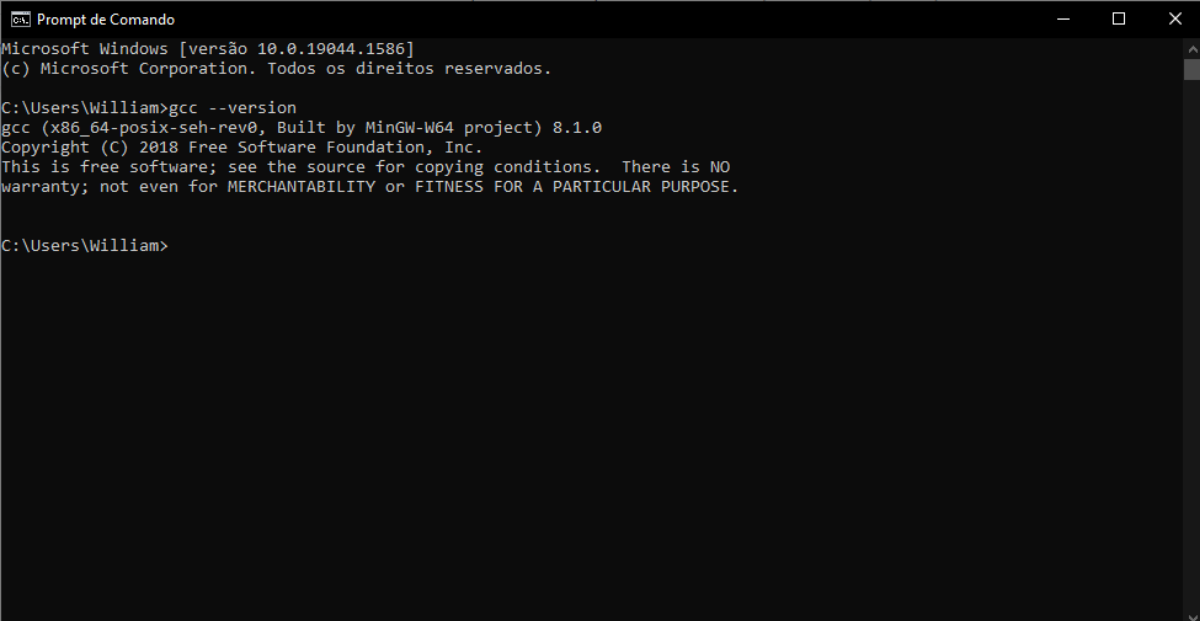
- a. Clique em **OK** e **OK novamente**.



9. Verificar a instalação.

- a. Abra o **Prompt de Comando**.
- b. Digite "**gcc --version**" e pressione **ENTER**.
- c. Se a mensagem abaixo aparecer, então o gcc está instalado.

```
gcc (x86_64-posix-seh-rev0, Built by MinGW-W64 project) 8.1.0
Copyright (C) 2018 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There
is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR
PURPOSE.
```



```
Prompt de Comando
Microsoft Windows [versão 10.0.19044.1586]
(c) Microsoft Corporation. Todos os direitos reservados.

C:\Users\William>gcc --version
gcc (x86_64-posix-seh-rev0, Built by MinGW-W64 project) 8.1.0
Copyright (C) 2018 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR
PURPOSE.

C:\Users\William>
```