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Instalação e configuração no Mac OS X

Instalação e configuração no Mac OS X

O que é necessário?

Instalação e configuração no Mac OS X

O que é necessário?

- Compilador C
- IDE

Instalação e configuração no Mac OS X

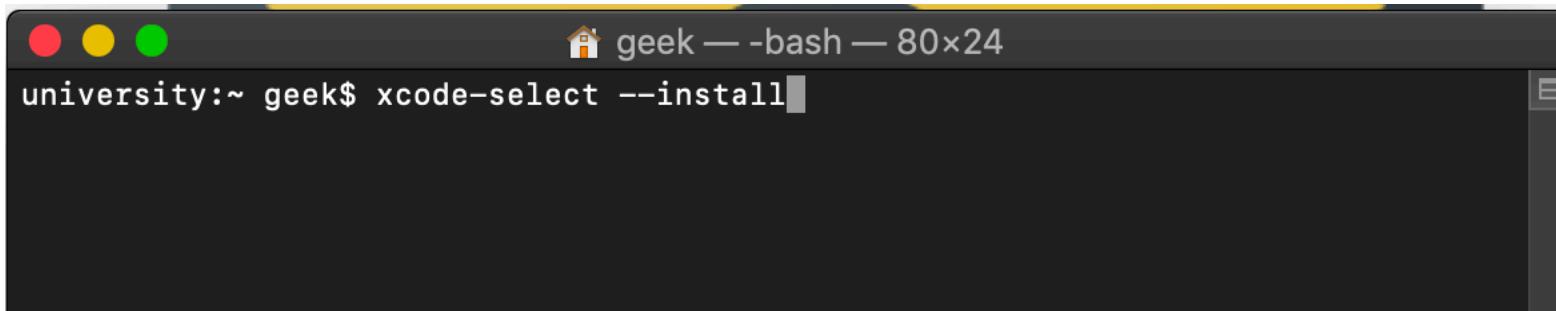
Compilador C

Instalação e configuração no Mac OS X

Compilador C

a) Abra o terminal e execute o seguinte comando:

xcode-select --install

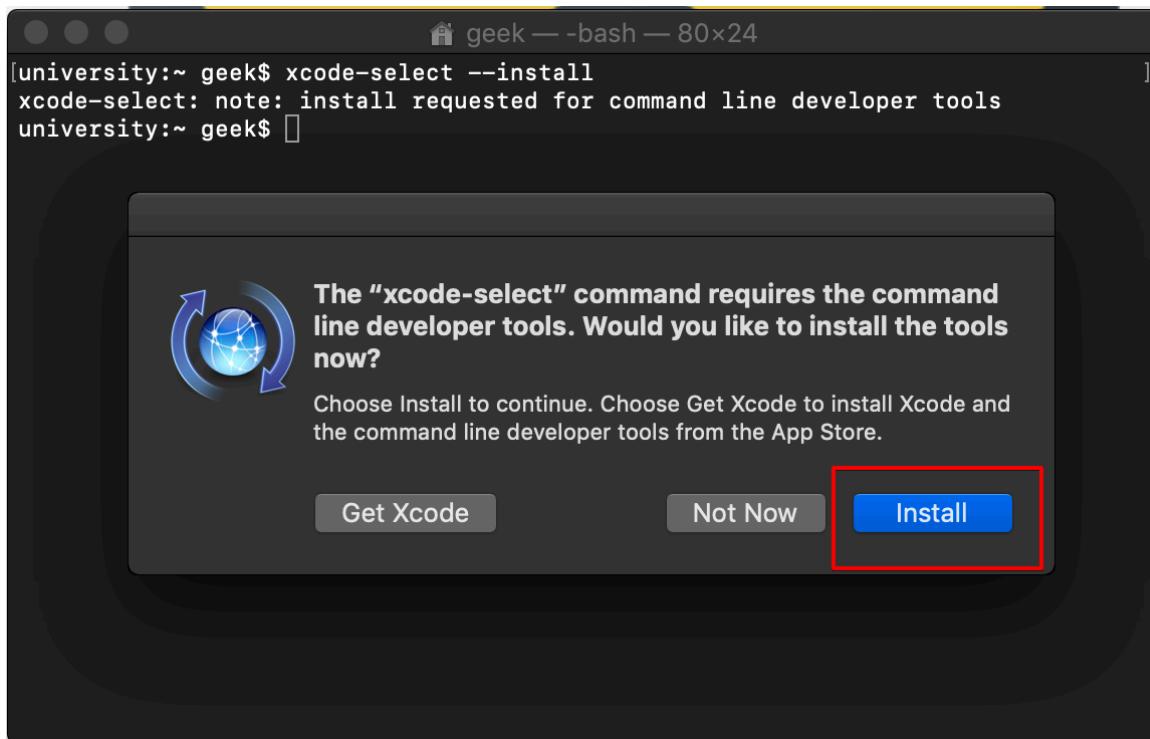


Instalação e configuração no Mac OS X

Compilador C

b) Se for aberta a janela abaixo, precisamos instalar o Command Line Tools.

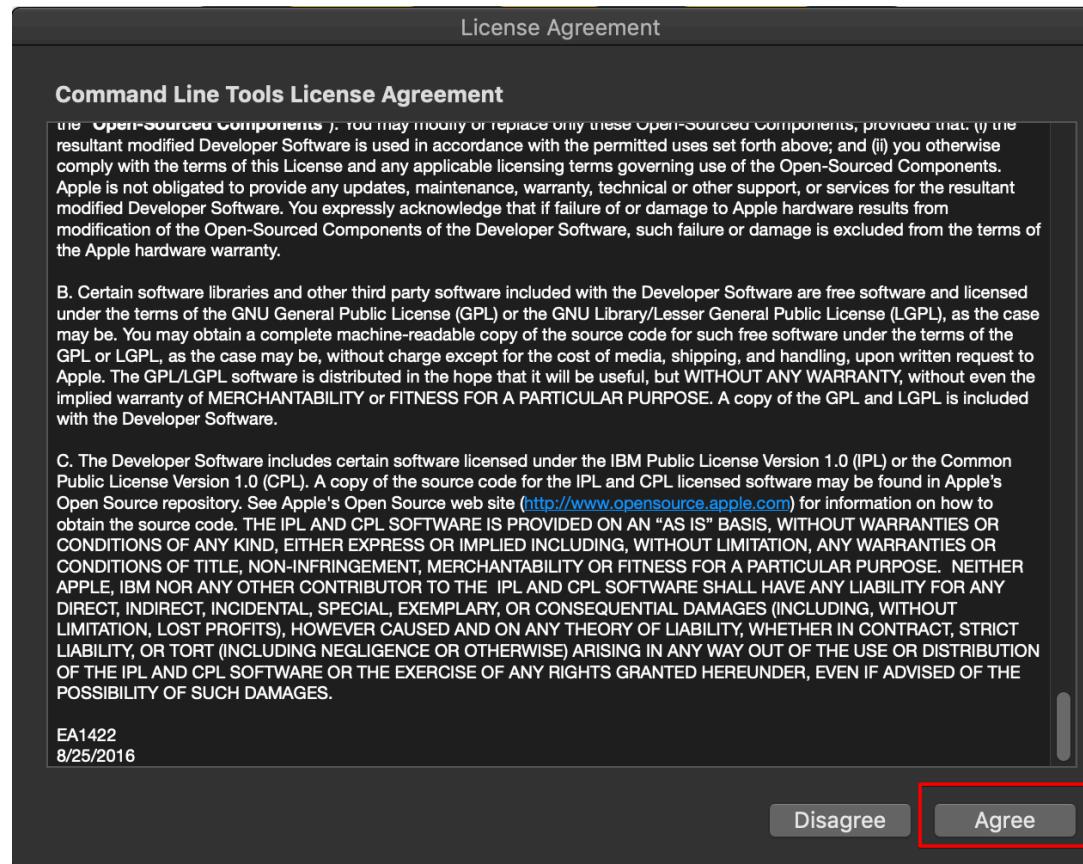
Clique no botão 'Install'



Instalação e configuração no Mac OS X

Compilador C

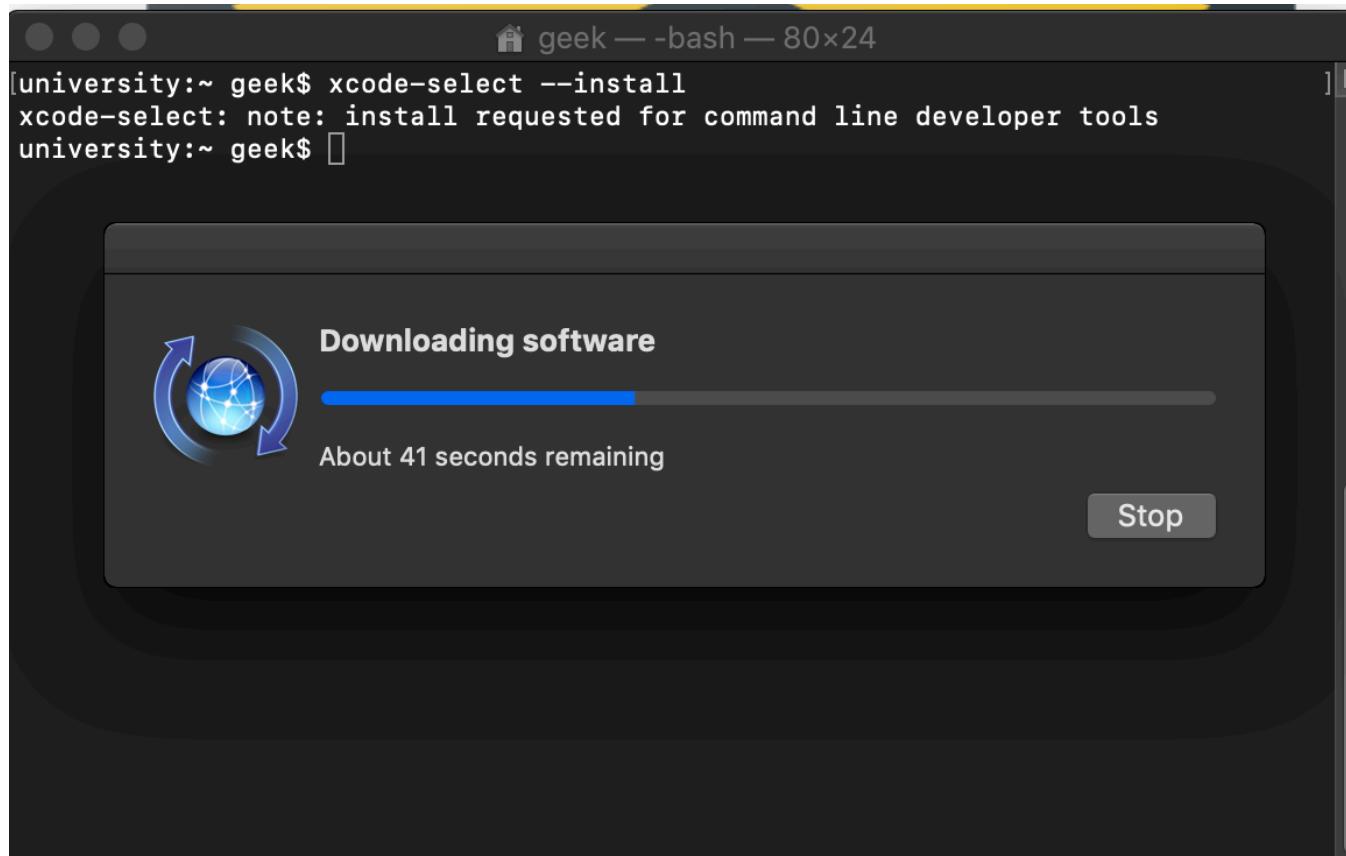
- c) Aceite os termos da licença clicando em 'Agree'



Instalação e configuração no Mac OS X

Compilador C

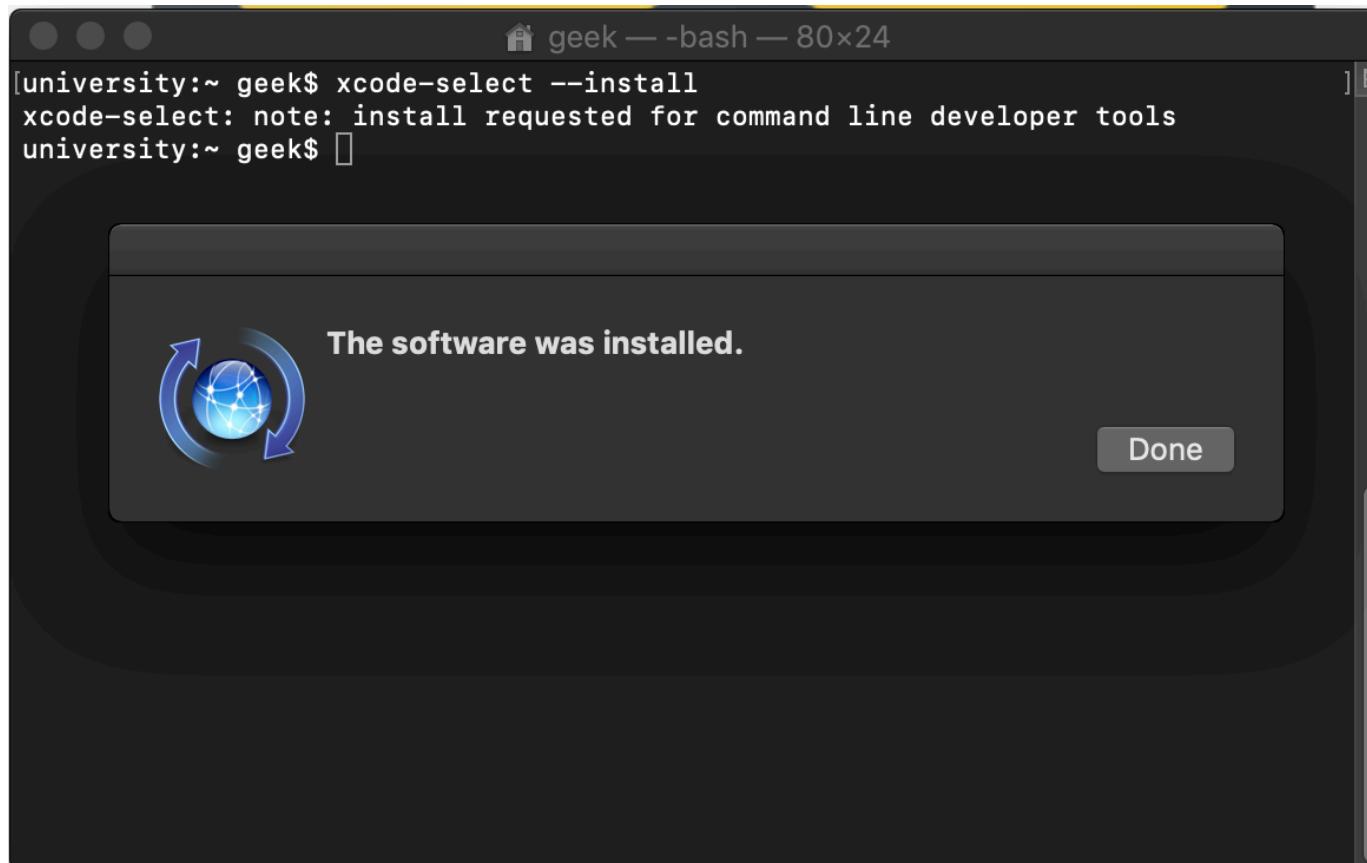
d) Aguarde a atualização do repositório de pacotes e instalação do software.



Instalação e configuração no Mac OS X

Compilador C

- e) Verifique se o software foi instalado com sucesso. Clique em 'Done'

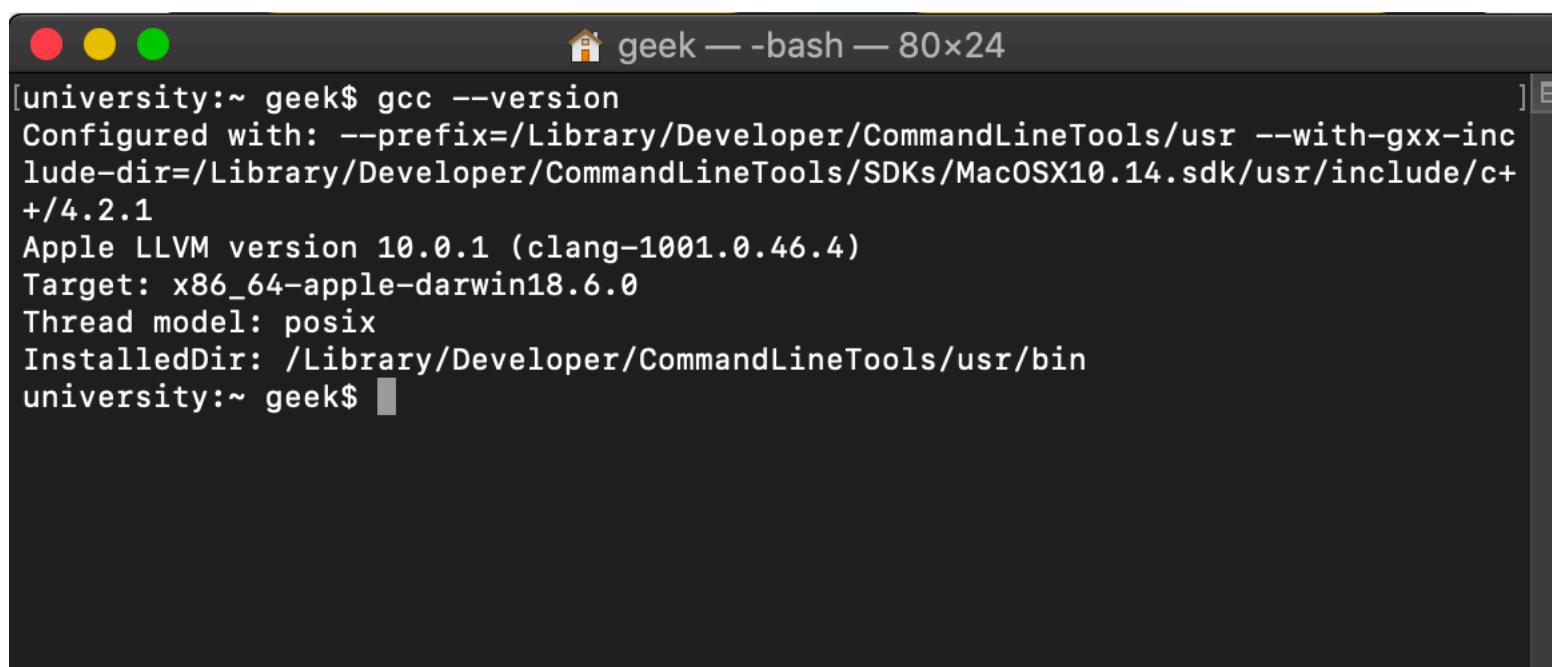


Instalação e configuração no Mac OS X

Compilador C

f) Verifique se o compilador para a linguagem C foi instalado com sucesso com o comando:

gcc —version



A screenshot of a macOS terminal window titled "geek — -bash — 80x24". The window shows the output of the "gcc --version" command. The output includes configuration details like prefix and include paths, the Apple LLVM version (10.0.1), target architecture (x86_64-apple-darwin18.6.0), thread model (posix), and the installed directory (/Library/Developer/CommandLineTools/usr/bin). The terminal has a dark theme with red, yellow, and green window controls.

```
[university:~ geek$ gcc --version
Configured with: --prefix=/Library/Developer/CommandLineTools/usr --with-gxx-include-dir=/Library/Developer/CommandLineTools/SDKs/MacOSX10.14.sdk/usr/include/c++/4.2.1
Apple LLVM version 10.0.1 (clang-1001.0.46.4)
Target: x86_64-apple-darwin18.6.0
Thread model: posix
InstalledDir: /Library/Developer/CommandLineTools/usr/bin
university:~ geek$ ]
```

Instalação e configuração no Mac OS X

IDE

Instalação e configuração no Mac OS X

IDE

Para a IDE, precisamos de 3 coisas:

- 1 - <https://www.oracle.com/technetwork/java/javase/downloads/jdk12-downloads-5295953.html>
- 2 - <https://www.eclipse.org>
- 3 - <https://www.eclipse.org/cdt/>



Instalação e configuração no Mac OS X

IDE

1 - Java JDK

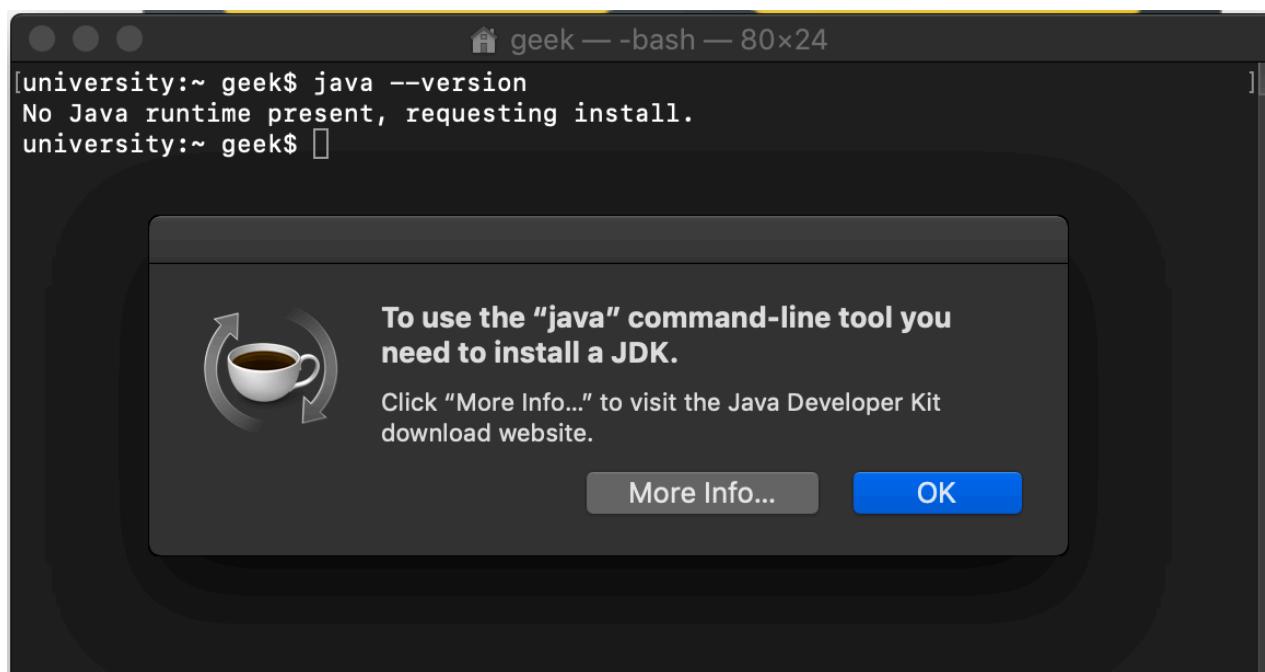
Instalação e configuração no Mac OS X

IDE

1 - Java JDK

a) Abra o terminal e execute o comando abaixo:

java —version

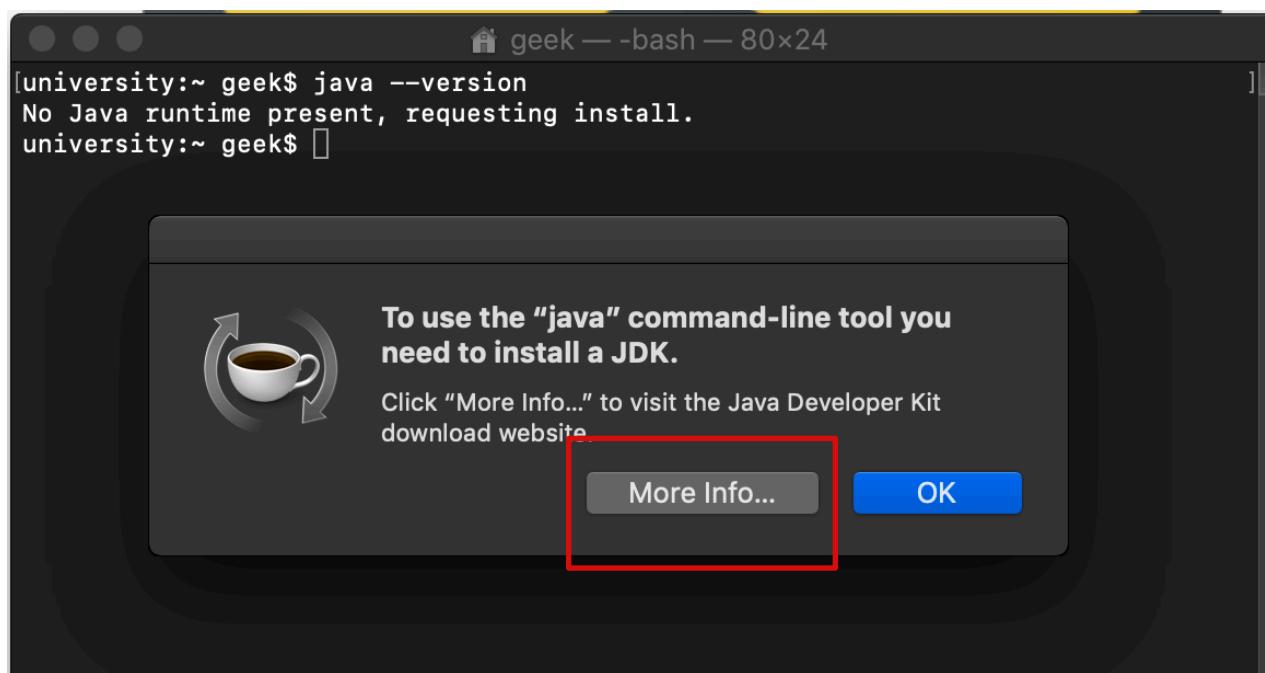


Instalação e configuração no Mac OS X

IDE

1 - Java JDK

b) Clique no botão ‘More Info...’ para fazer download.

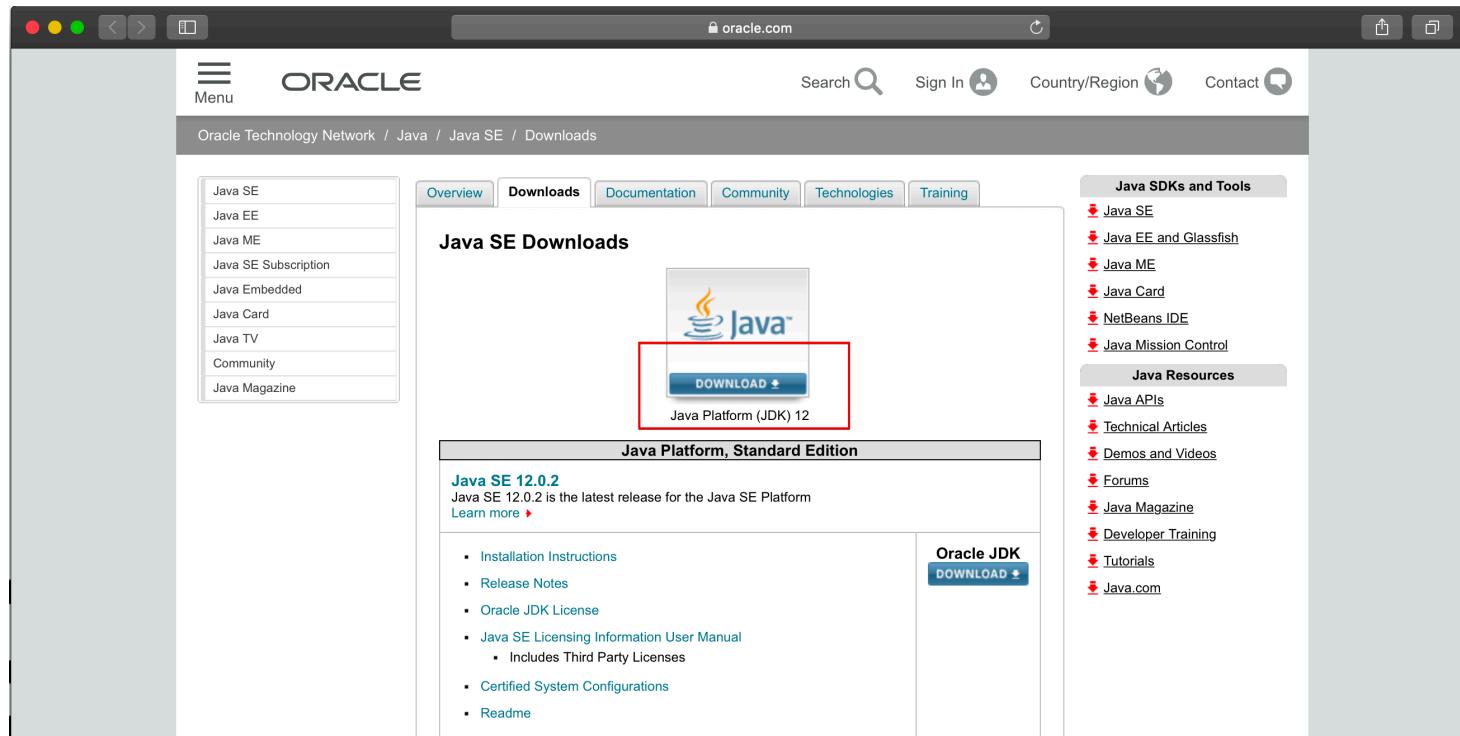


Instalação e configuração no Mac OS X

IDE

1 - Java JDK

c) Será aberto o site da Oracle para download do Java. Clique no botão de download.

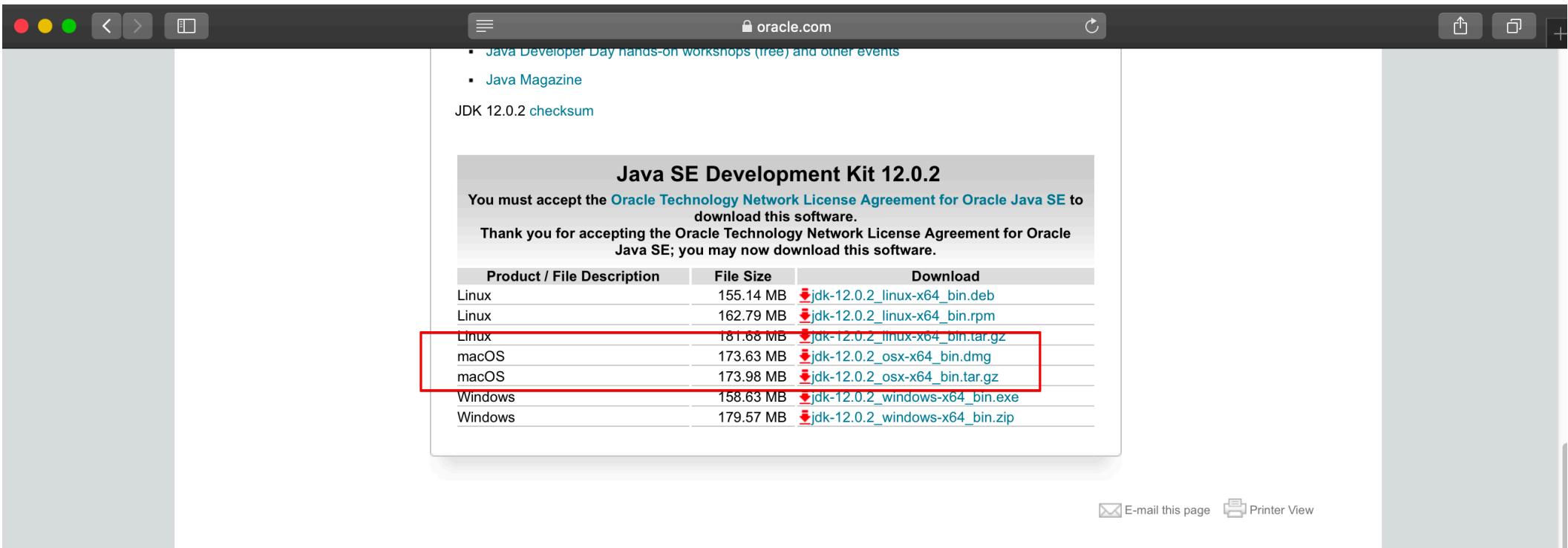


Instalação e configuração no Mac OS X

IDE

1 - Java JDK

d) Na tela de download, aceite a licença e clique na opção com extensão 'dmg' para MacOS



The screenshot shows a web browser window with the URL oracle.com. The main content is the Java SE Development Kit 12.0.2 download page. A red box highlights the 'macOS' row in the download table, specifically the 'osx-x64_bin.dmg' link.

Product / File Description	File Size	Download
Linux	155.14 MB	jdk-12.0.2_linux-x64_bin.deb
Linux	162.79 MB	jdk-12.0.2_linux-x64_bin.rpm
Linux	181.68 MB	jdk-12.0.2_linux-x64_bin.tar.gz
macOS	173.63 MB	jdk-12.0.2_osx-x64_bin.dmg
macOS	173.98 MB	jdk-12.0.2_osx-x64_bin.tar.gz
Windows	158.63 MB	jdk-12.0.2_windows-x64_bin.exe
Windows	179.57 MB	jdk-12.0.2_windows-x64_bin.zip

At the bottom of the page are links for "E-mail this page" and "Printer View".

Instalação e configuração no Mac OS X

IDE

1 - Java JDK

e) Aguarde o download finalizar.

The screenshot shows a Mac OS X desktop with a browser window open to oracle.com. The page displays the Java SE Development Kit 12.0.2 download page. A file named "jdk-12.0.2_osx-x64_bin.dmg" is shown in the Downloads window, which is highlighted with a red box. The file is currently being downloaded at 3 MB/sec, with 29,4 MB of 182,1 MB already transferred.

Java SE Development Kit 12.0.2

You must accept the [Oracle Technology Network License Agreement for Oracle Java SE](#) to download this software.

Thank you for accepting the Oracle Technology Network License Agreement for Oracle Java SE; you may now download this software.

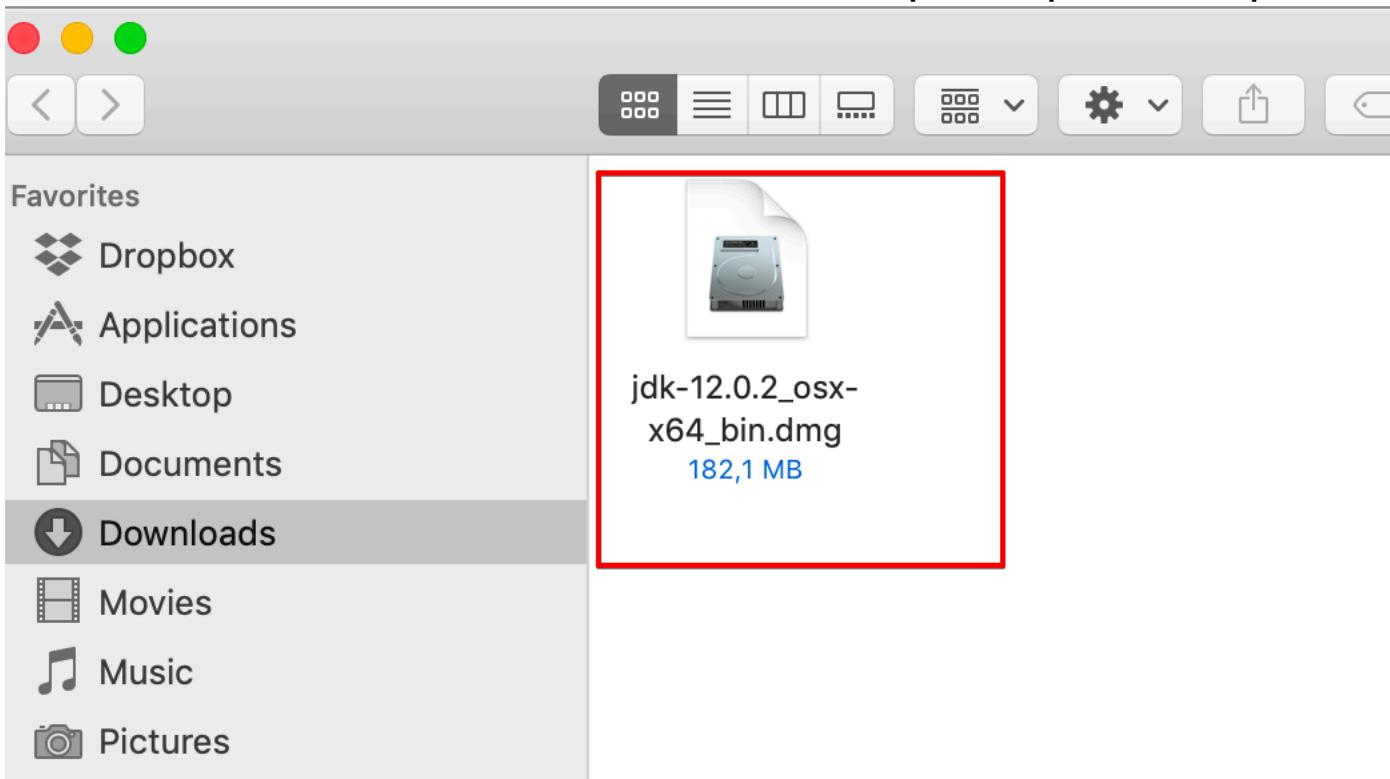
Product / File Description	File Size	Download
Linux	155.14 MB	jdk-12.0.2_linux-x64_bin.deb
Linux	162.79 MB	jdk-12.0.2_linux-x64_bin.rpm
Linux	181.68 MB	jdk-12.0.2_linux-x64_bin.tar.gz
macOS	173.63 MB	jdk-12.0.2_osx-x64_bin.dmg
macOS	173.98 MB	jdk-12.0.2_osx-x64_bin.tar.gz
Windows	158.63 MB	jdk-12.0.2_windows-x64_bin.exe
Windows	179.57 MB	jdk-12.0.2_windows-x64_bin.zip

Instalação e configuração no Mac OS X

IDE

1 - Java JDK

f) Quando o download for finalizado, dê um duplo clique no arquivo.

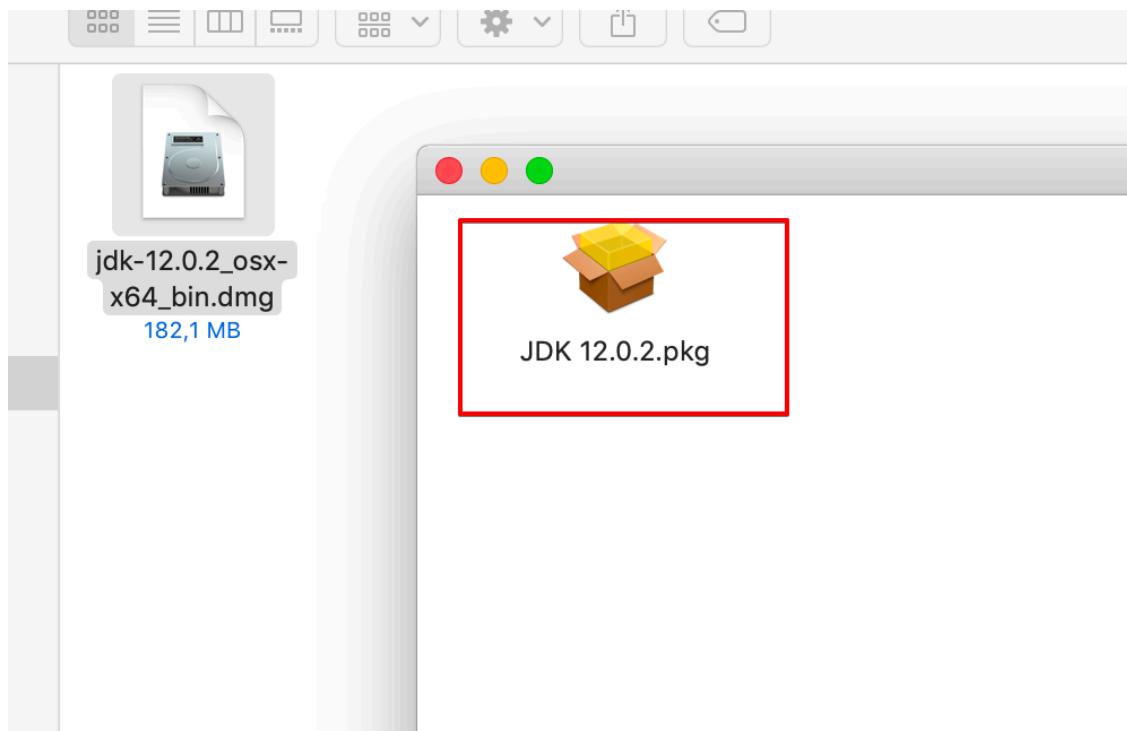


Instalação e configuração no Mac OS X

IDE

1 - Java JDK

g) Com a imagem do arquivo montada, dê um duplo clique no pacote de instalação.

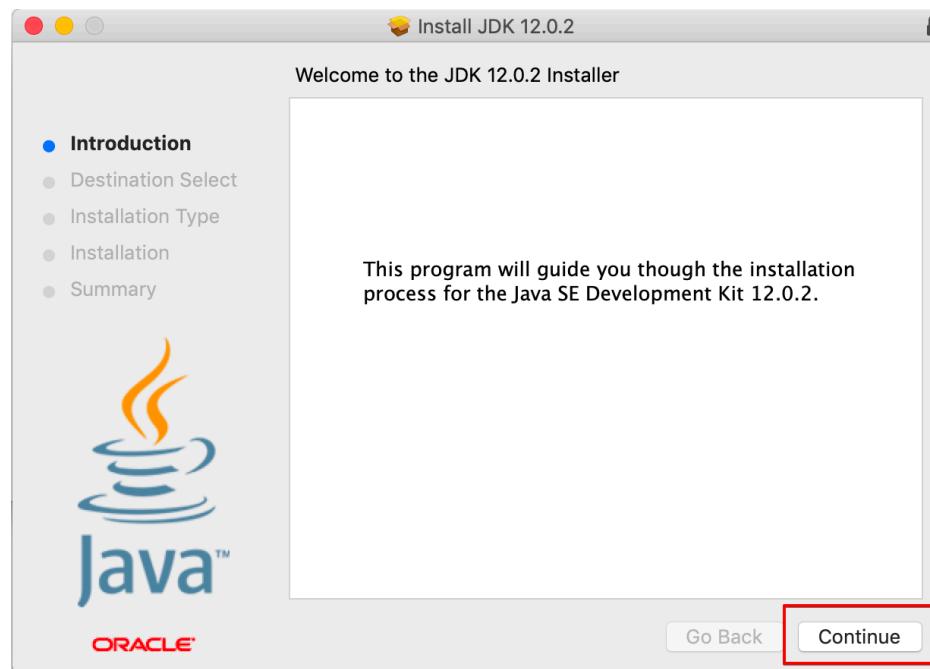


Instalação e configuração no Mac OS X

IDE

1 - Java JDK

h) Com o instalador aberto, clique em 'Continue'



Instalação e configuração no Mac OS X

IDE

1 - Java JDK

i) Clique em 'Install'

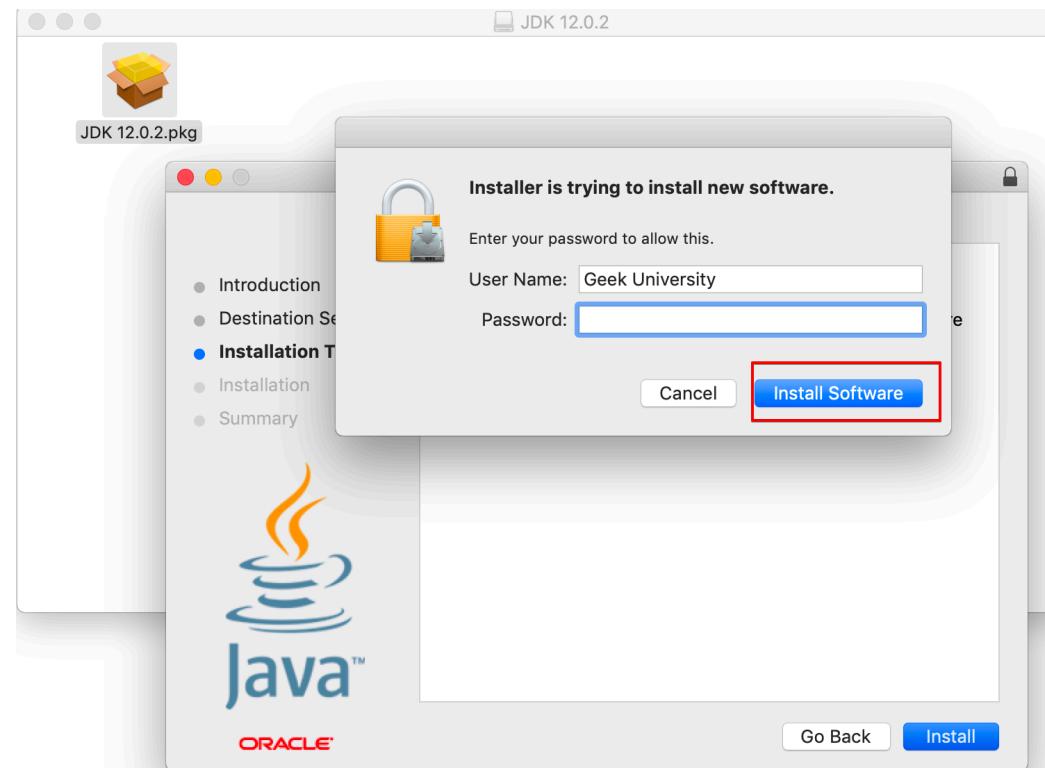


Instalação e configuração no Mac OS X

IDE

1 - Java JDK

j) Se solicitada, informe sua senha e clique em 'Install Software'

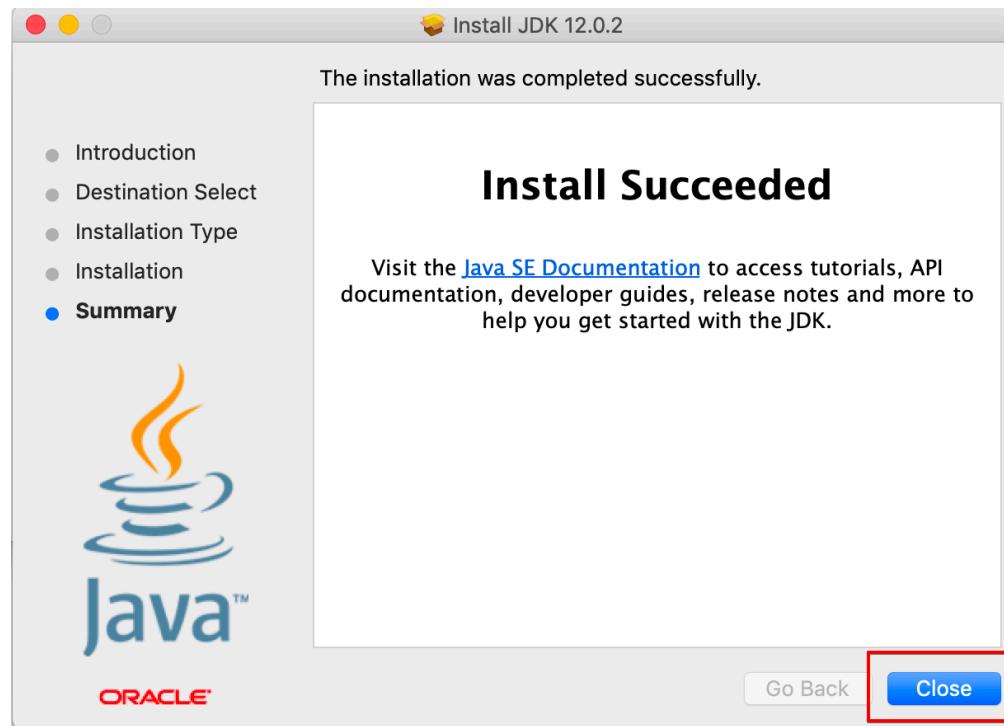


Instalação e configuração no Mac OS X

IDE

1 - Java JDK

k) Ao finalizar com sucesso a instalação clique em 'Close'

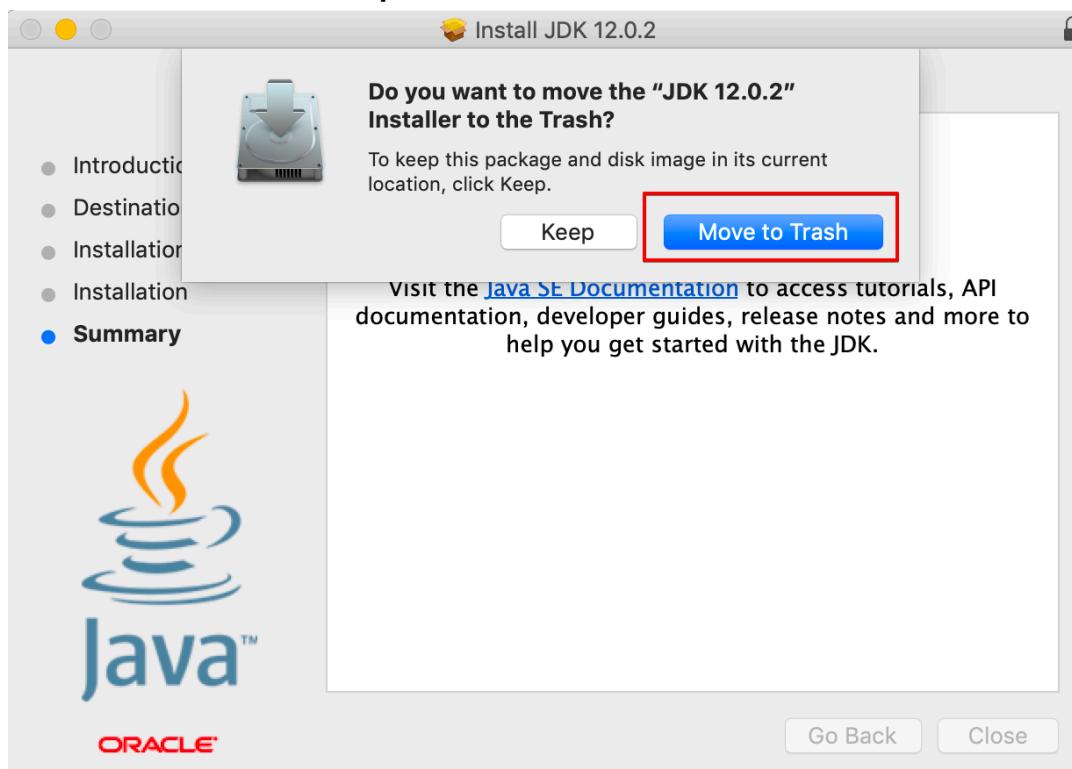


Instalação e configuração no Mac OS X

IDE

1 - Java JDK

I) Se aparecer a tela abaixo, clique em 'Move to Trash'



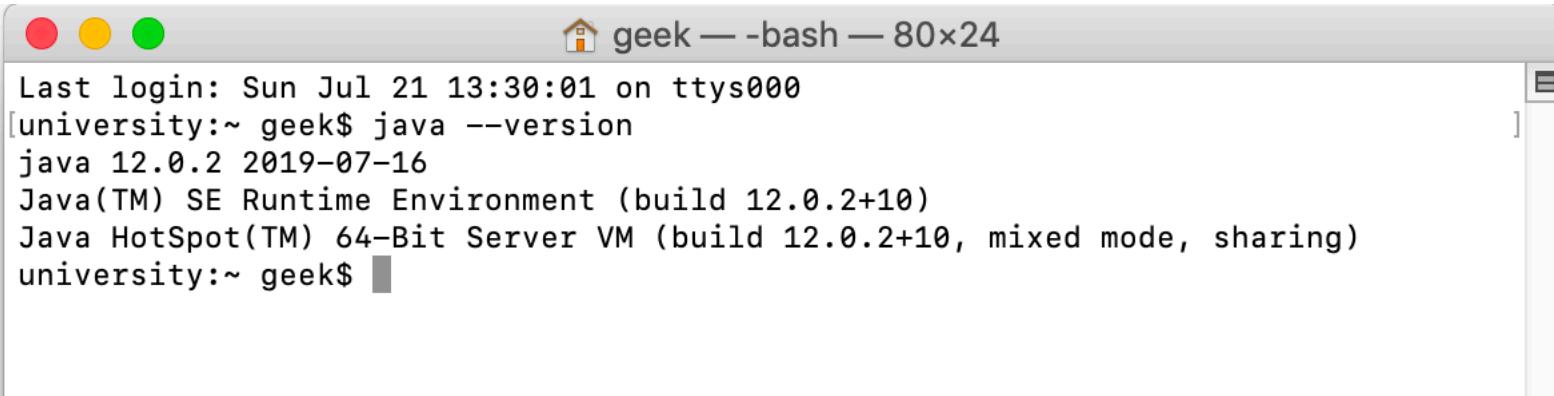
Instalação e configuração no Mac OS X

IDE

1 - Java JDK

m) Abra novamente o terminal e verifique se o Java está instalado com o comando abaixo:

java --version



A screenshot of a Mac OS X terminal window titled "geek — bash — 80x24". The window shows the following text output:

```
Last login: Sun Jul 21 13:30:01 on ttys000
[university:~ geek$ java --version
java 12.0.2 2019-07-16
Java(TM) SE Runtime Environment (build 12.0.2+10)
Java HotSpot(TM) 64-Bit Server VM (build 12.0.2+10, mixed mode, sharing)
university:~ geek$
```

Instalação e configuração no Mac OS X

IDE

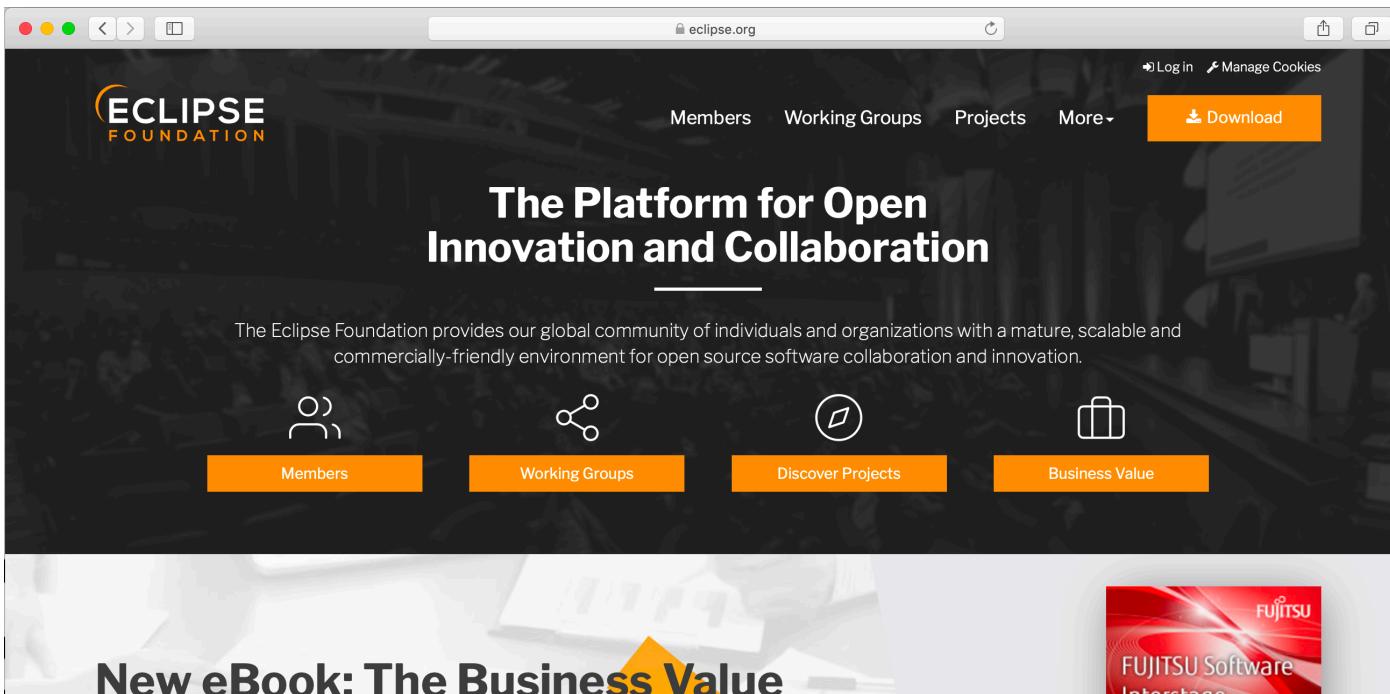
2 - Eclipse

Instalação e configuração no Mac OS X

IDE

2 - Eclipse

a) Abra o navegador em www.eclipse.org

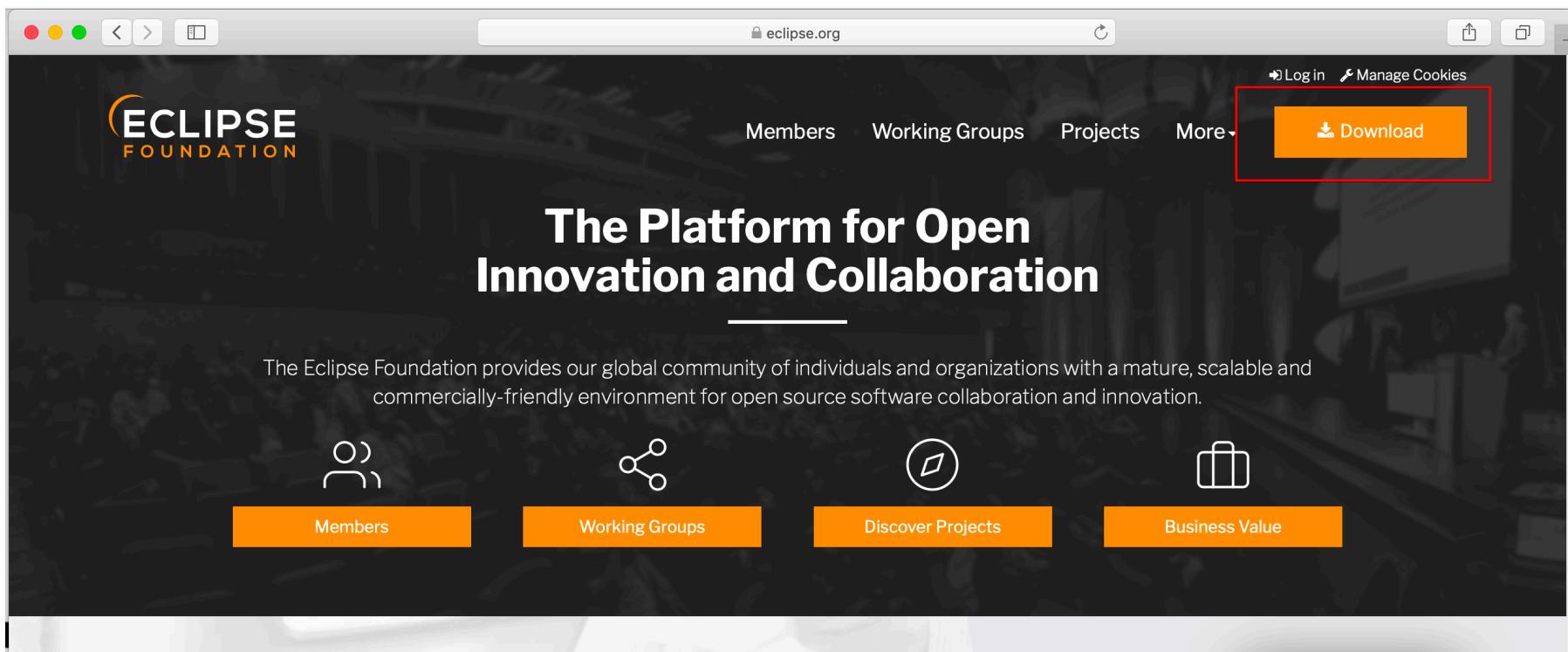


Instalação e configuração no Mac OS X

IDE

2 - Eclipse

b) Clique no botão 'Download'

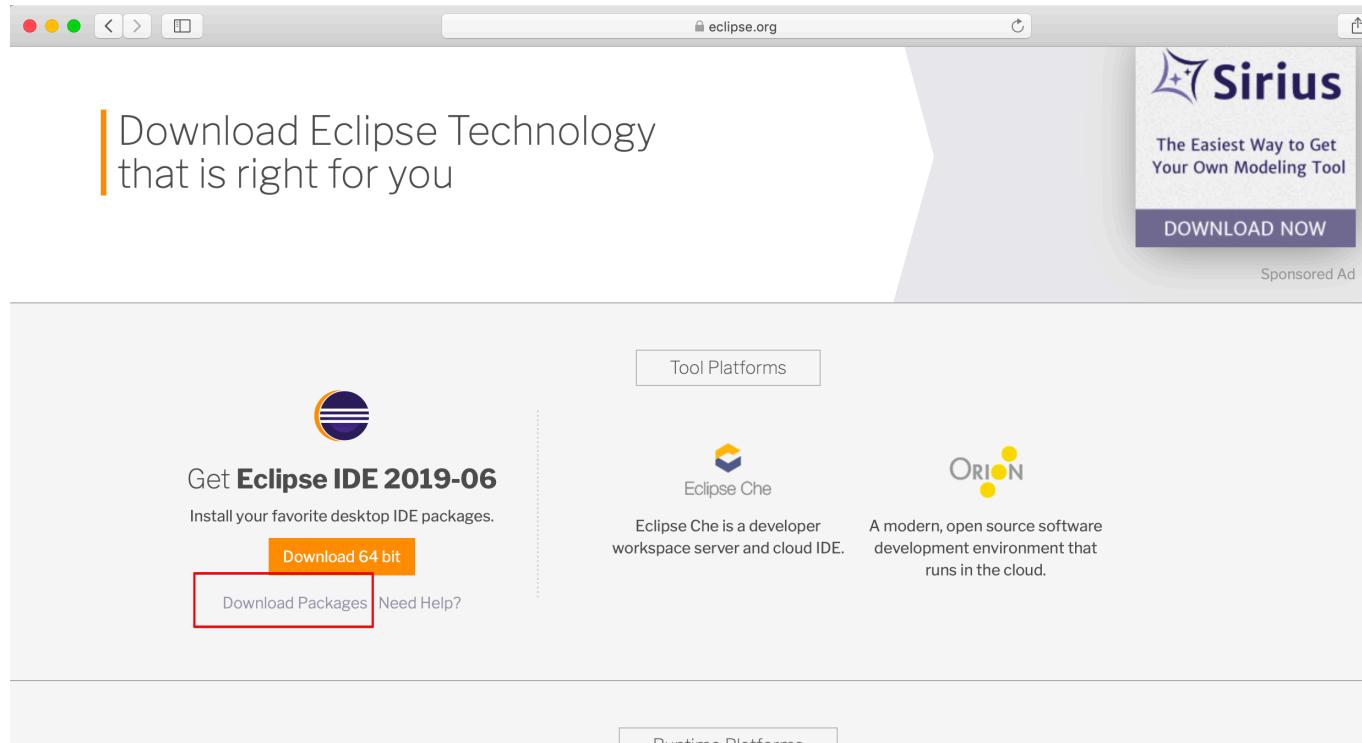


Instalação e configuração no Mac OS X

IDE

2 - Eclipse

c) Clique em 'Download Packages'

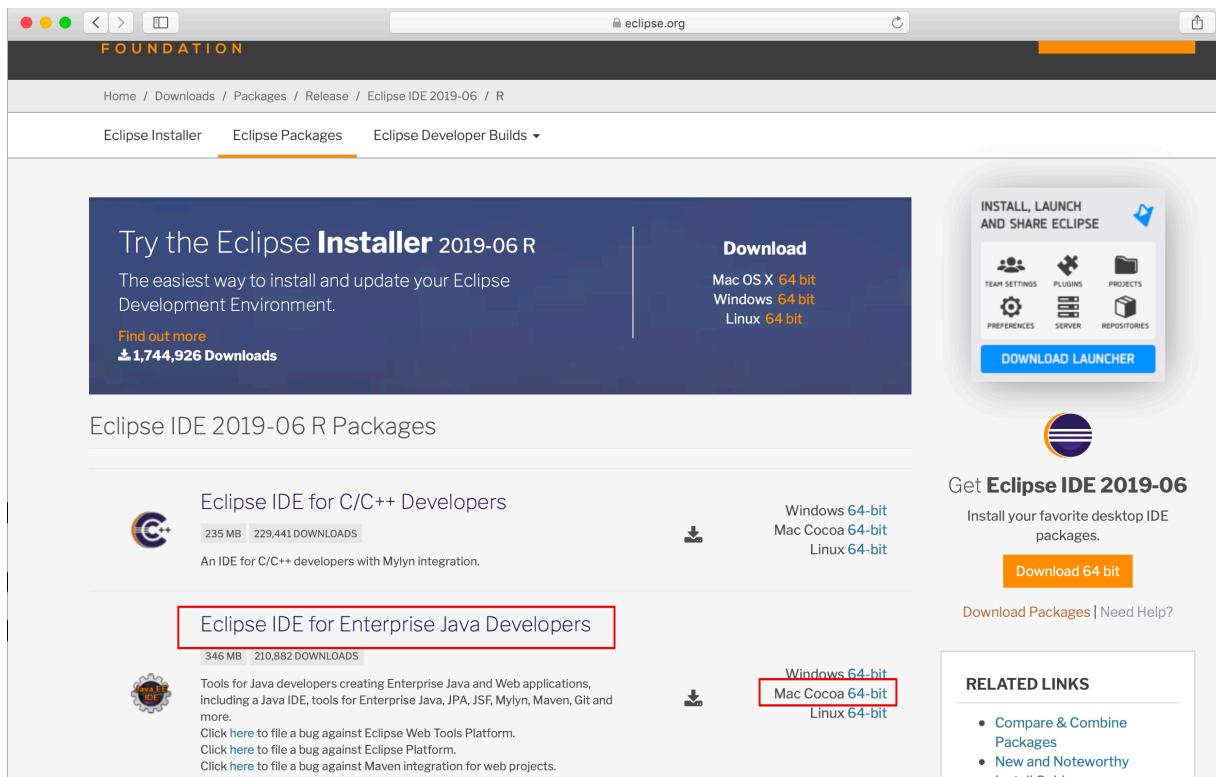


Instalação e configuração no Mac OS X

IDE

2 - Eclipse

d) Selecione o download do ‘Eclipse IDE for Enterprise Java Developers’

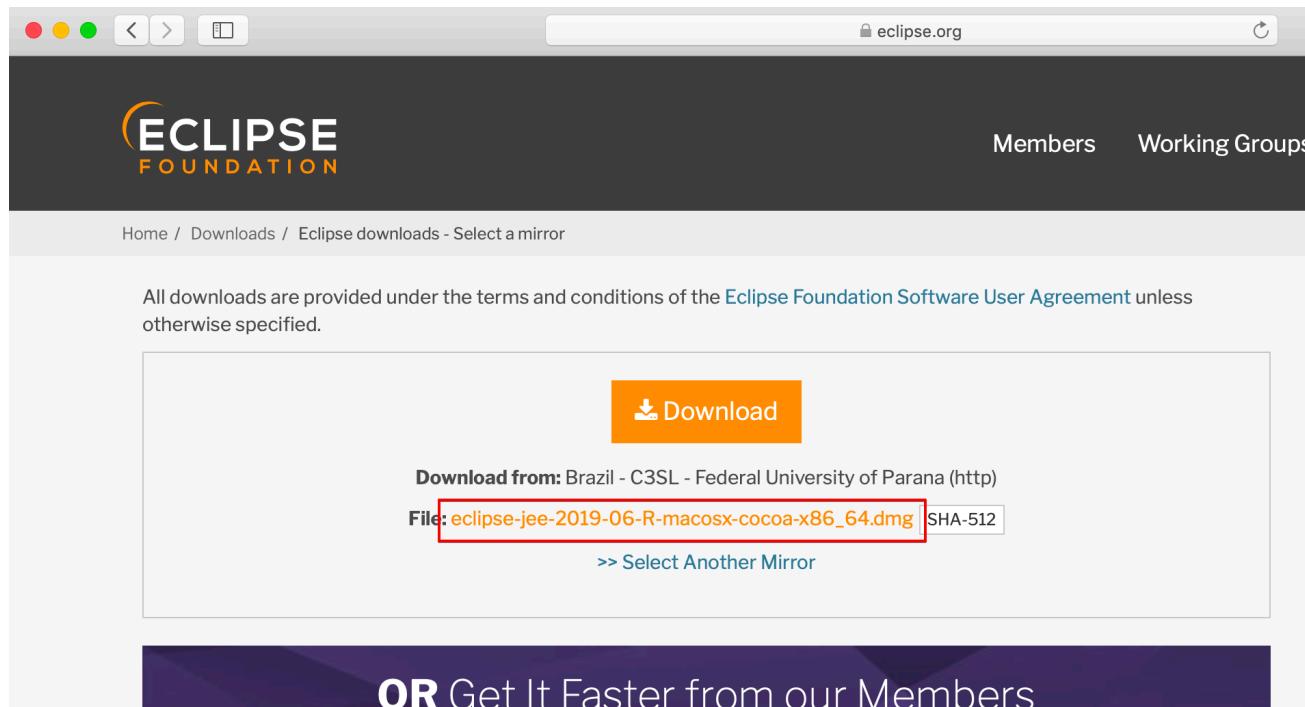


Instalação e configuração no Mac OS X

IDE

2 - Eclipse

e) Clique no arquivo para iniciar o download.

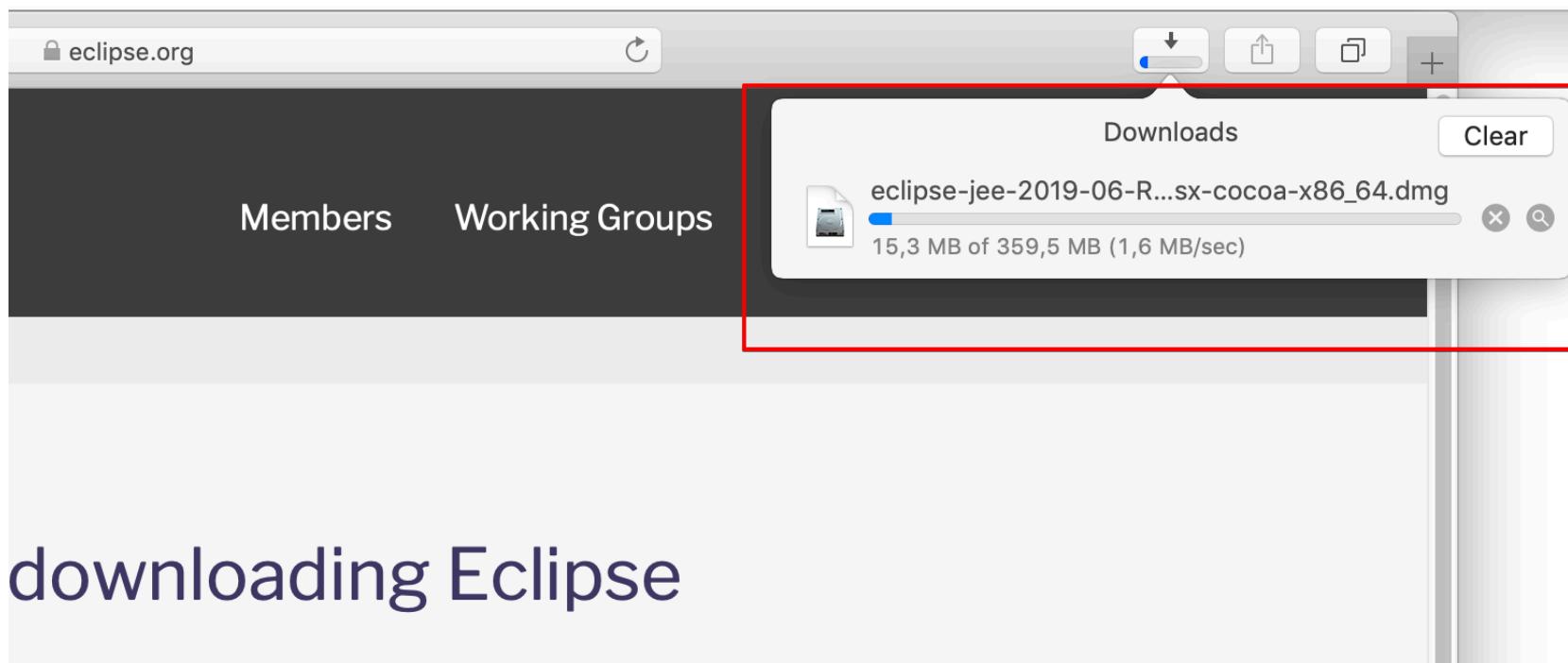


Instalação e configuração no Mac OS X

IDE

2 - Eclipse

f) Aguarde a finalização do download.

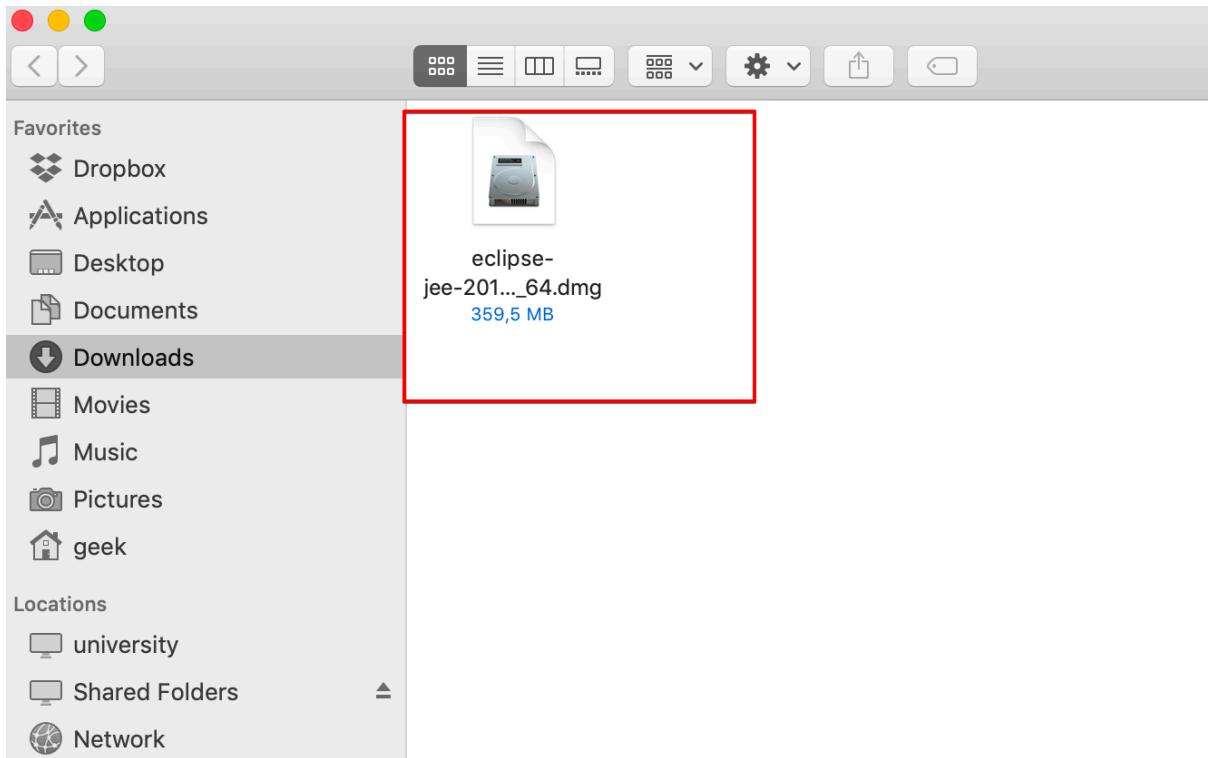


Instalação e configuração no Mac OS X

IDE

2 - Eclipse

g) Dê um clique duplo no arquivo.

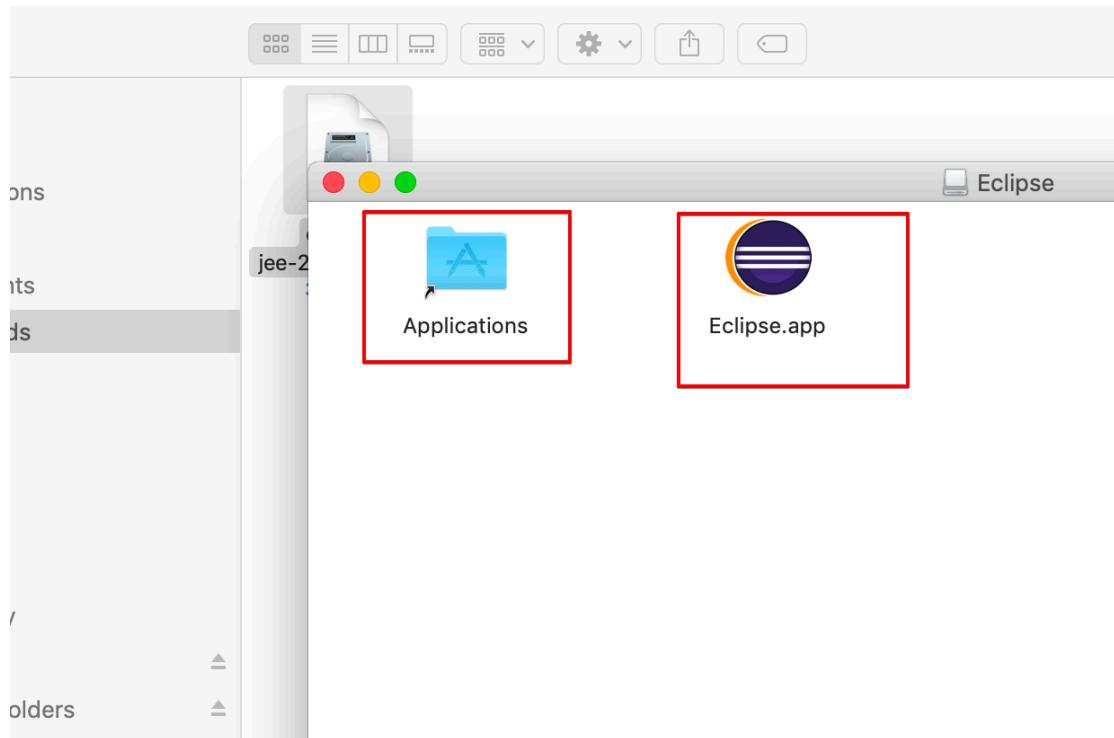


Instalação e configuração no Mac OS X

IDE

2 - Eclipse

h) Clique e arraste o Eclipse para o diretório de aplicações.



Instalação e configuração no Mac OS X

IDE

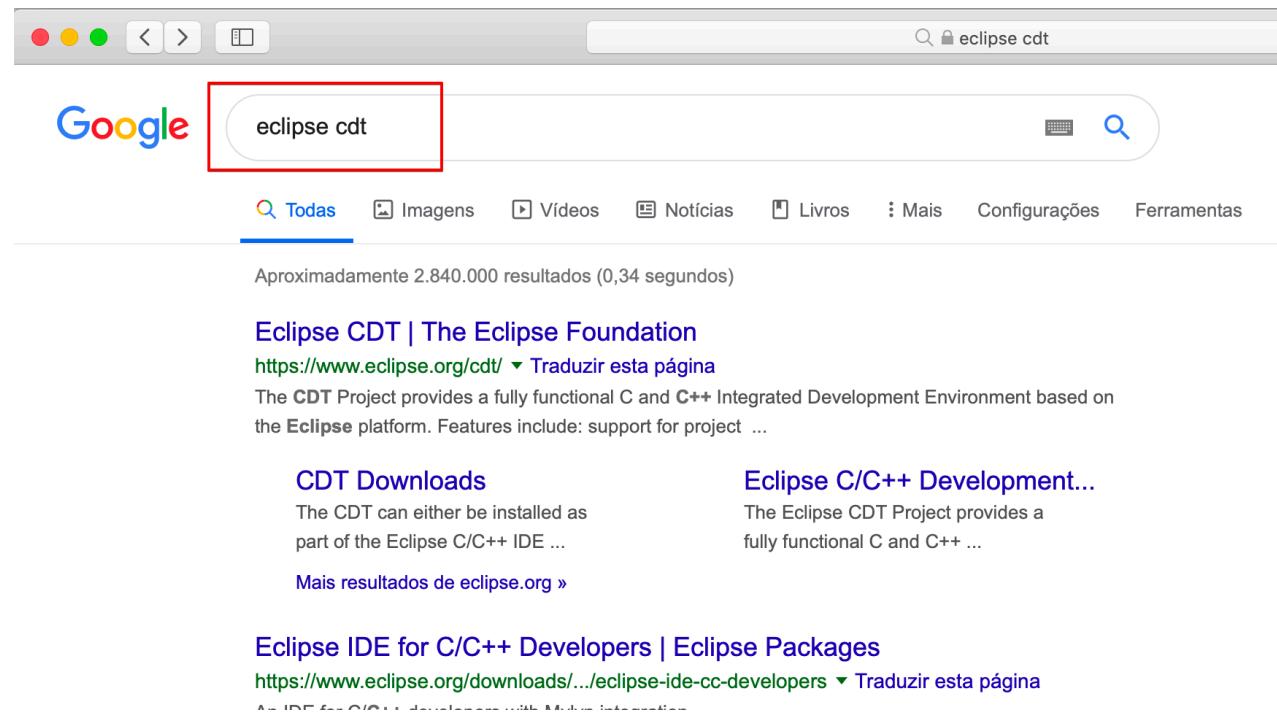
3 - CDT

Instalação e configuração no Mac OS X

IDE

3 - CDT

a) Abra o google e pesquise por 'eclipse cdt'

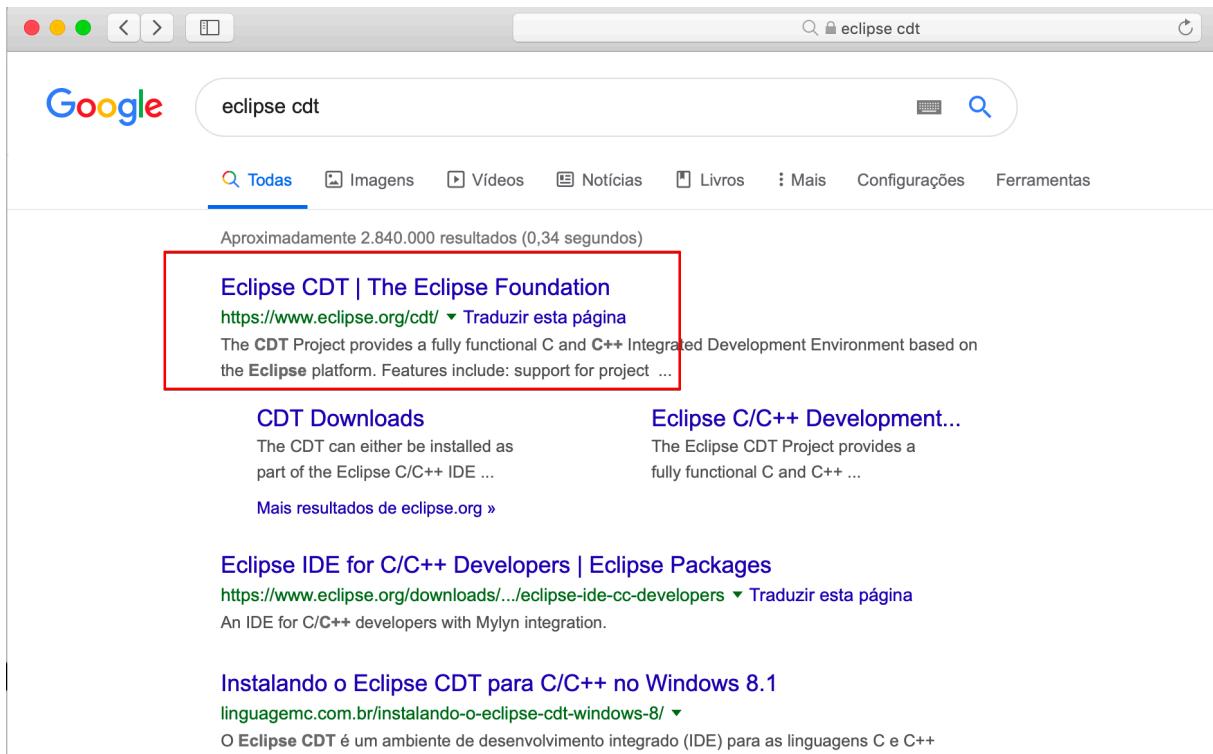


Instalação e configuração no Mac OS X

IDE

3 - CDT

b) Clique no primeiro link

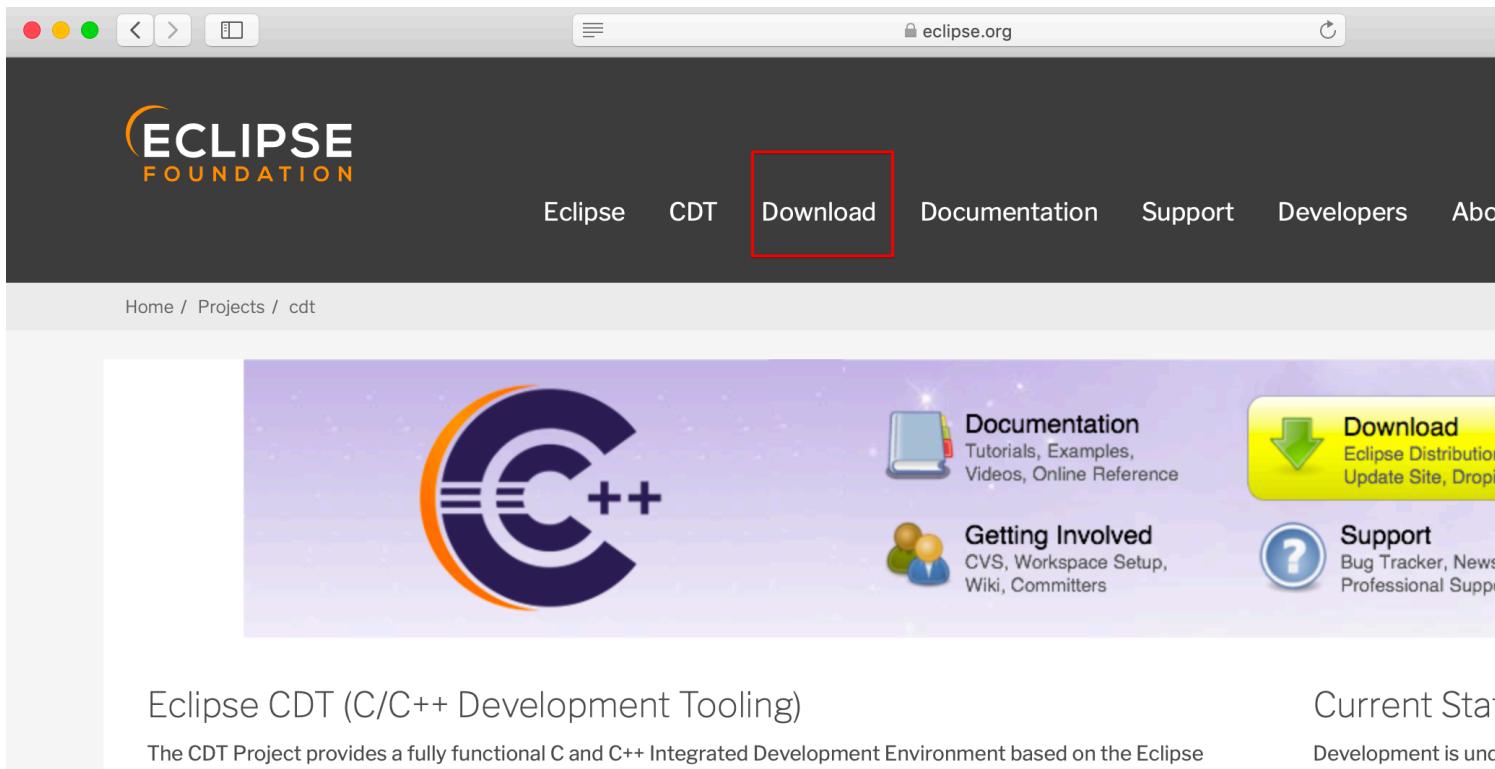


Instalação e configuração no Mac OS X

IDE

3 - CDT

c) Clique no menu 'Download'

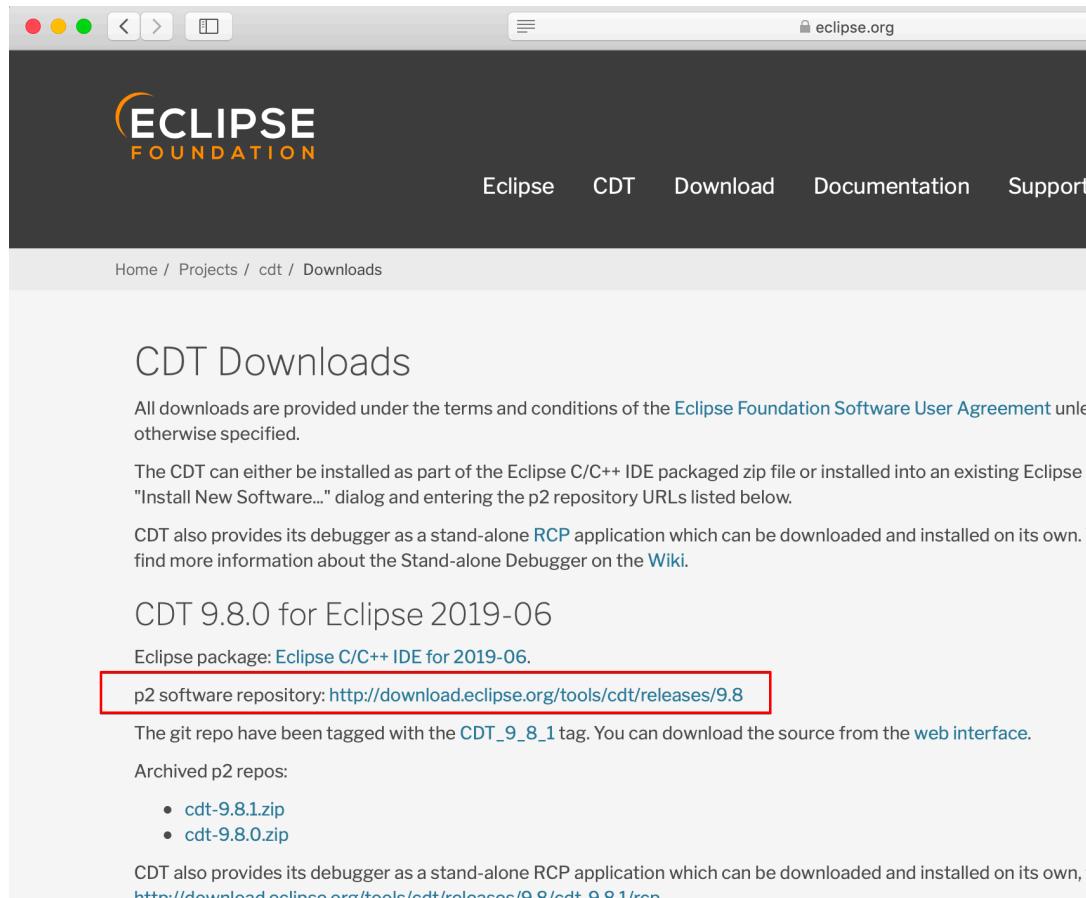


Instalação e configuração no Mac OS X

IDE

3 - CDT

d) Copie o link 'p2'



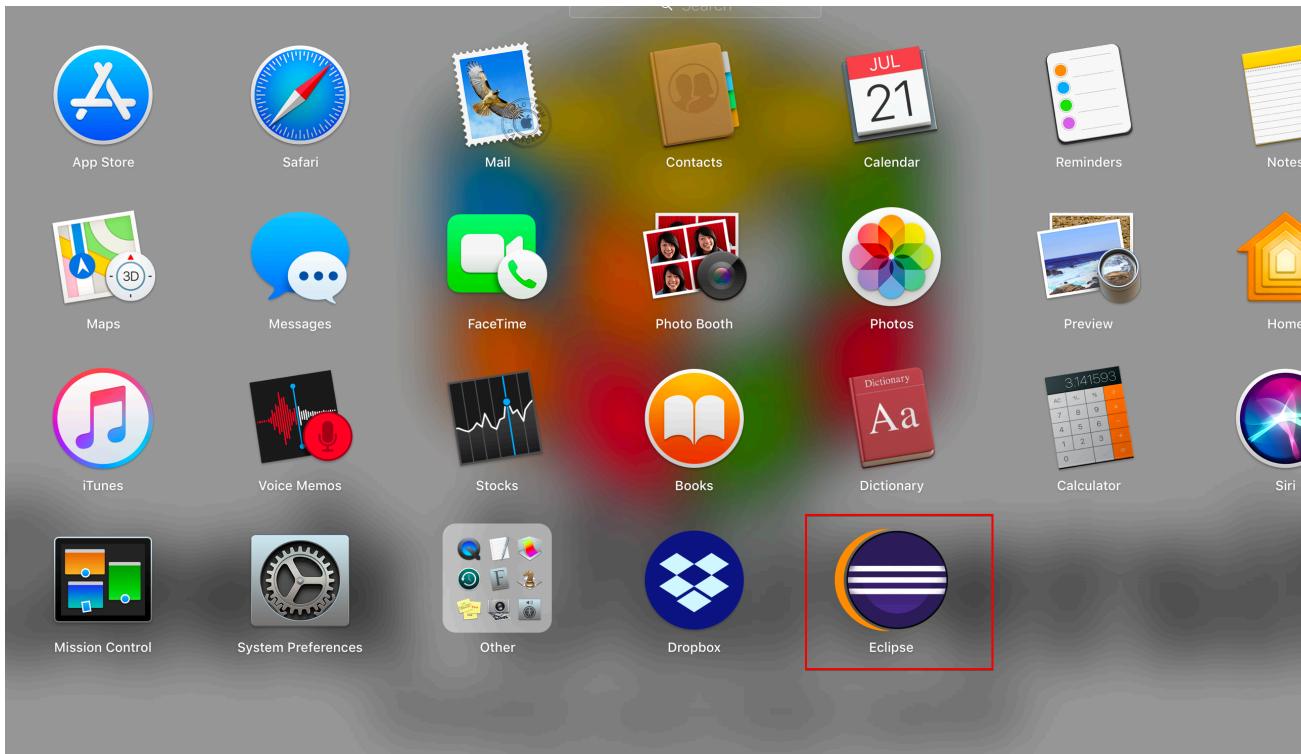
The screenshot shows a Mac OS X browser window displaying the Eclipse.org website. The URL in the address bar is 'eclipse.org'. The page is titled 'CDT Downloads'. It features a dark header with the 'ECLIPSE FOUNDATION' logo and navigation links for 'Eclipse', 'CDT', 'Download', 'Documentation', and 'Support'. Below the header, a breadcrumb trail shows 'Home / Projects / cdt / Downloads'. The main content area is titled 'CDT Downloads' and contains text about download terms and conditions. It describes how CDT can be installed via the Eclipse IDE's 'Install New Software...' dialog or as a stand-alone RCP application. A red box highlights the 'p2 software repository' link, which points to 'http://download.eclipse.org/tools/cdt/releases/9.8'. Below this, it mentions a git repository tagged 'CDT_9_8_1' and provides links to archived p2 repositories ('cdt-9.8.1.zip' and 'cdt-9.8.0.zip'). The bottom of the page reiterates the stand-alone RCP application information.

Instalação e configuração no Mac OS X

IDE

3 - CDT

e) Abra o Eclipse

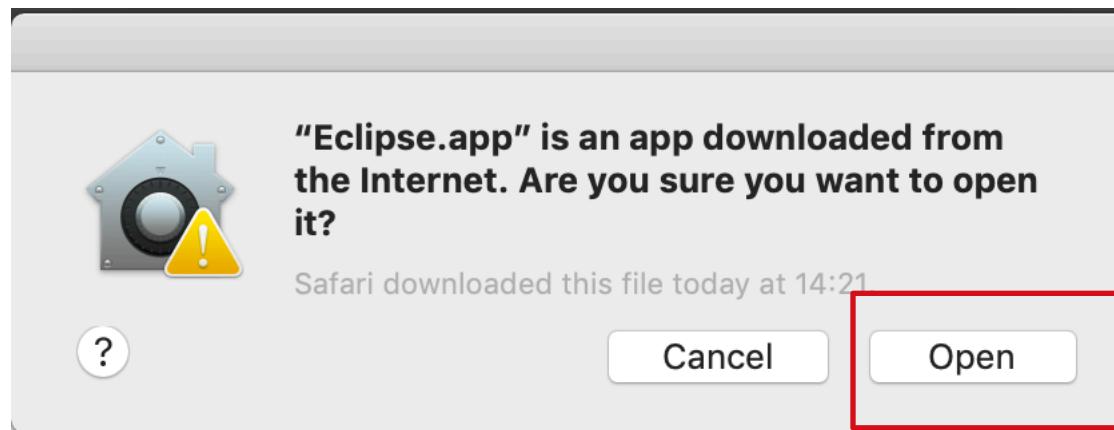


Instalação e configuração no Mac OS X

IDE

3 - CDT

f) Se aparecer a tela abaixo, selecione 'Open'

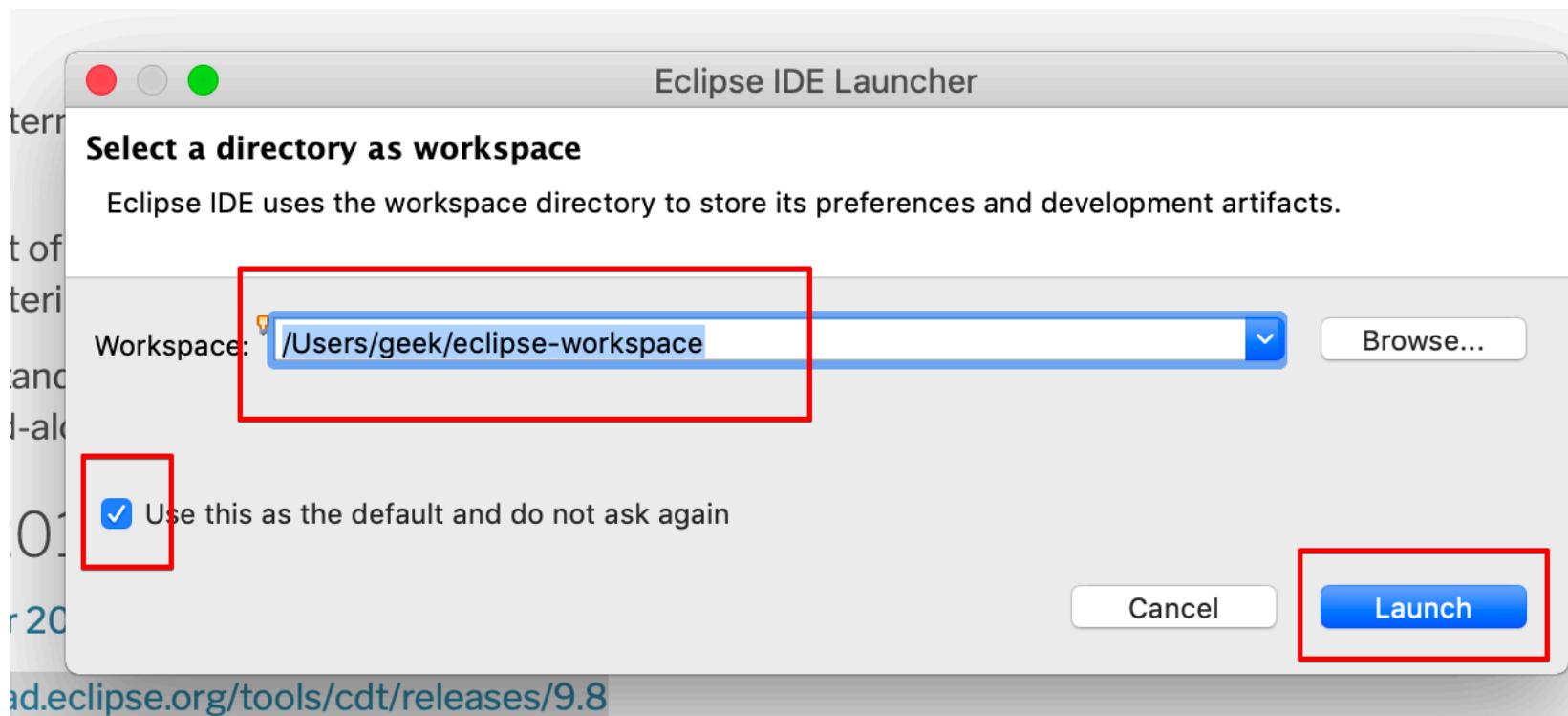


Instalação e configuração no Mac OS X

IDE

3 - CDT

g) Ao carregar o Eclipse pela primeira vez será apresentada algumas informações. Clique em 'Launch'

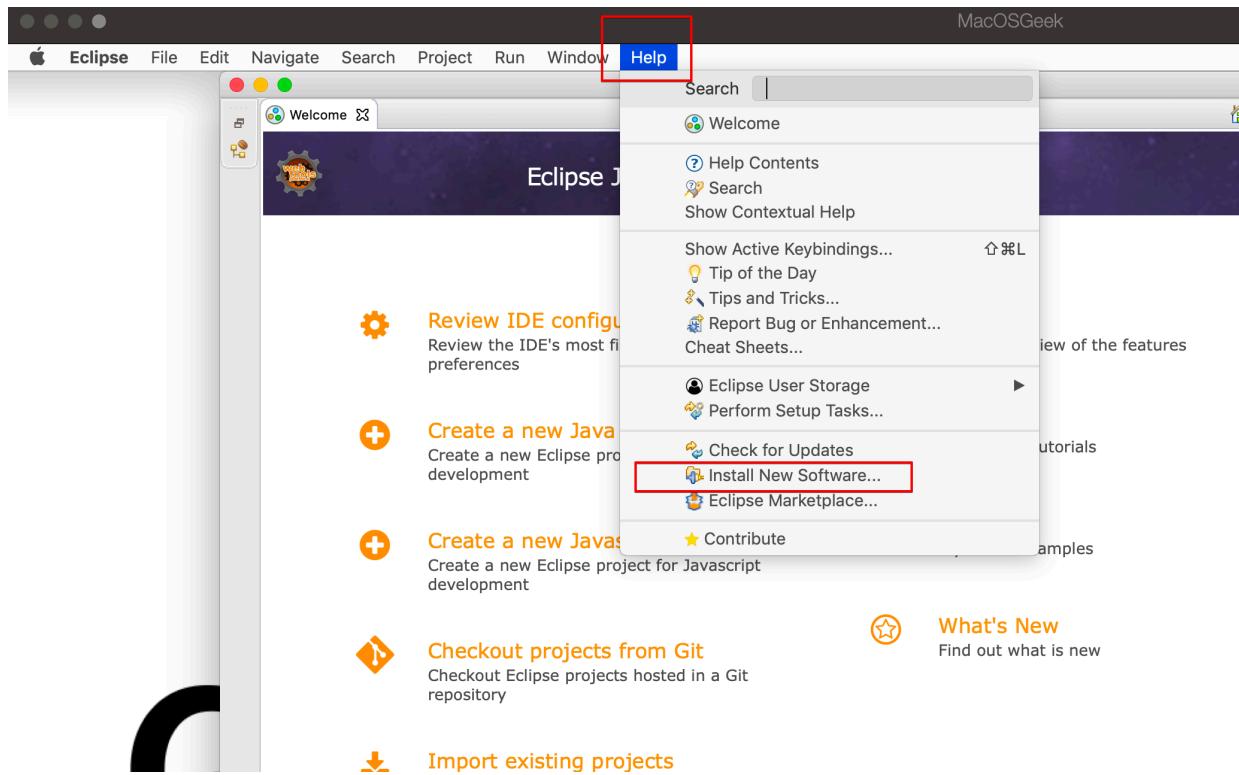


Instalação e configuração no Mac OS X

IDE

3 - CDT

h) Acesse o menu 'Help' -> 'Install New Software'

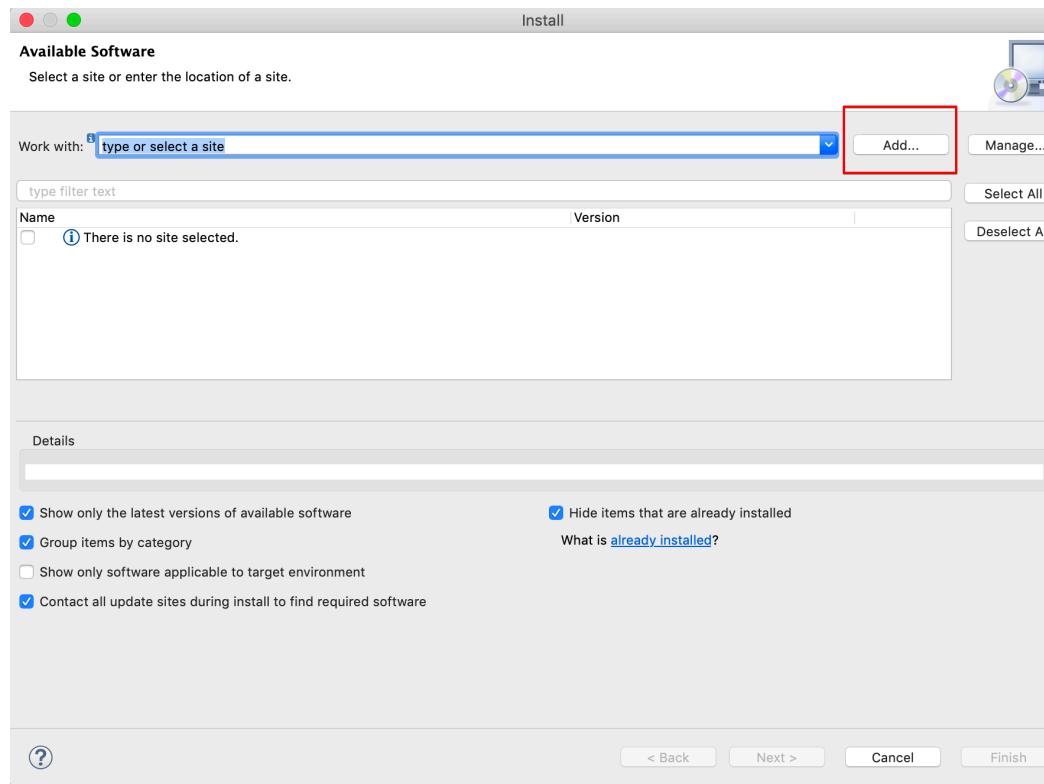


Instalação e configuração no Mac OS X

IDE

3 - CDT

i) Clique no botão ‘Add...’

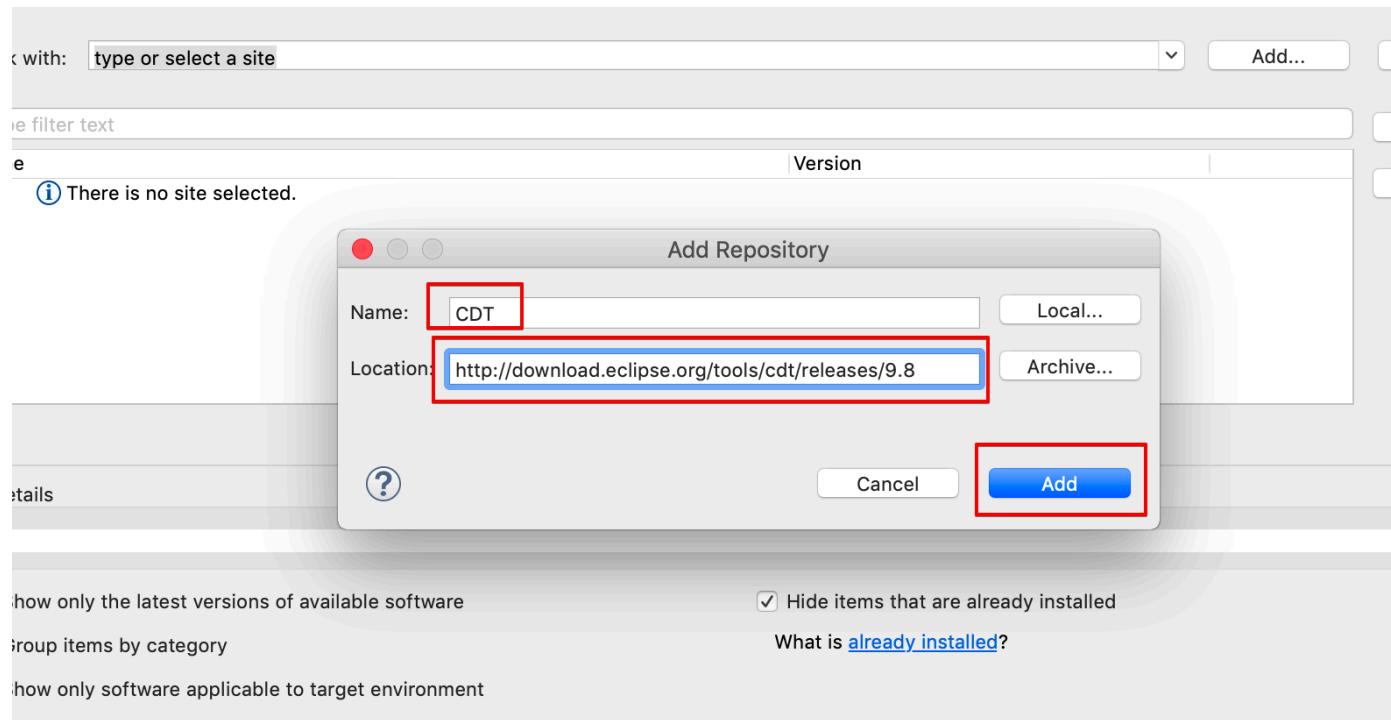


Instalação e configuração no Mac OS X

IDE

3 - CDT

j) Em 'Name' coloque 'CDT', em 'Location' coloque o link 'p2' copiado anteriormente e clique em 'Add'

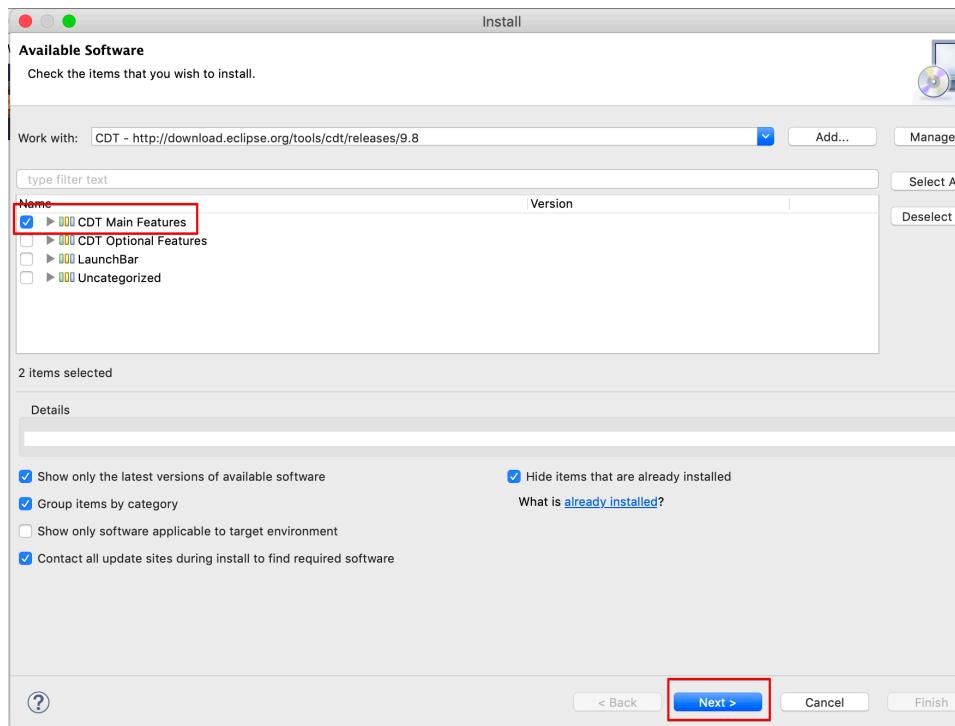


Instalação e configuração no Mac OS X

IDE

3 - CDT

k) Marque a caixa ‘CDT Main Features’ e clique em ‘Next >’

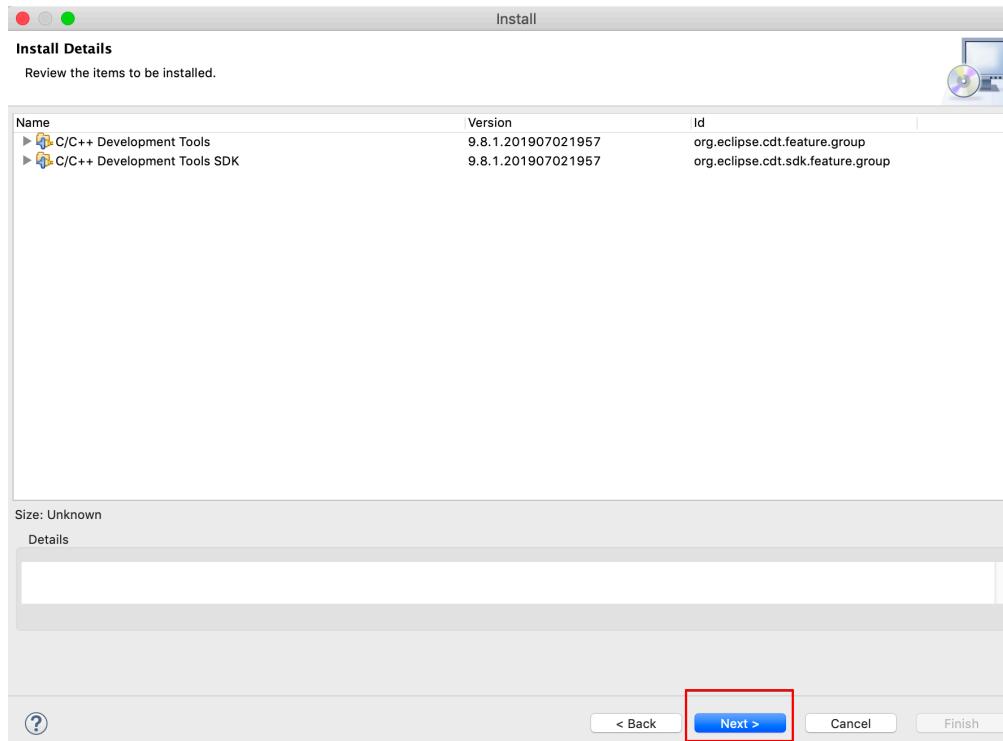


Instalação e configuração no Mac OS X

IDE

3 - CDT

I) Na próxima tela clique em 'Next >'

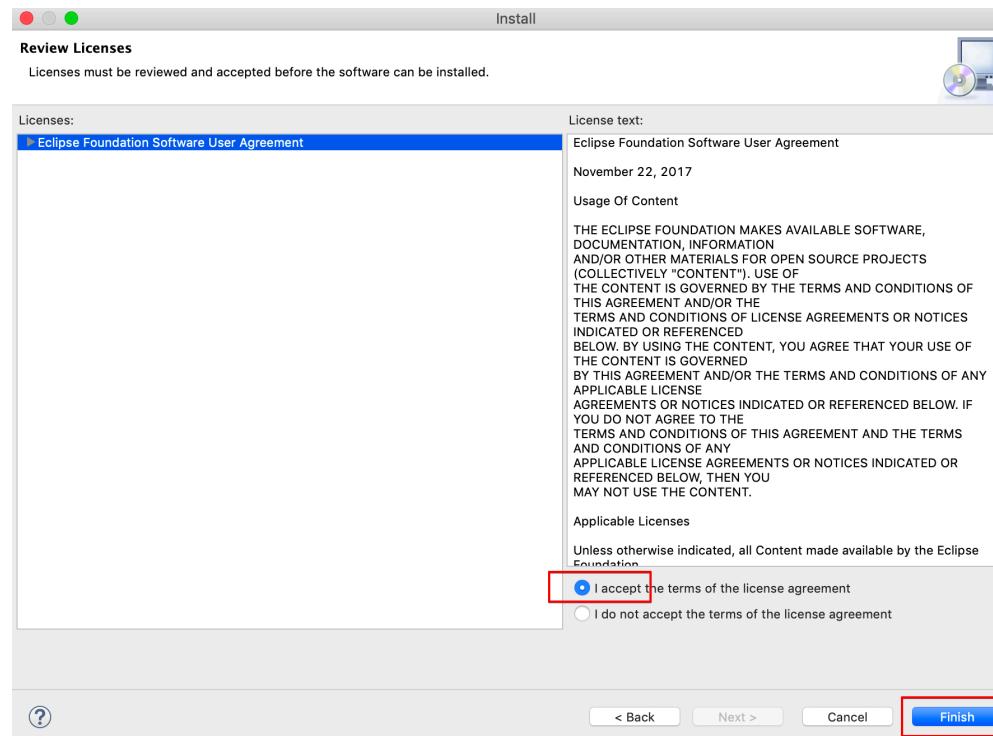


Instalação e configuração no Mac OS X

IDE

3 - CDT

m) Aceite a licença e clique em 'Finish'

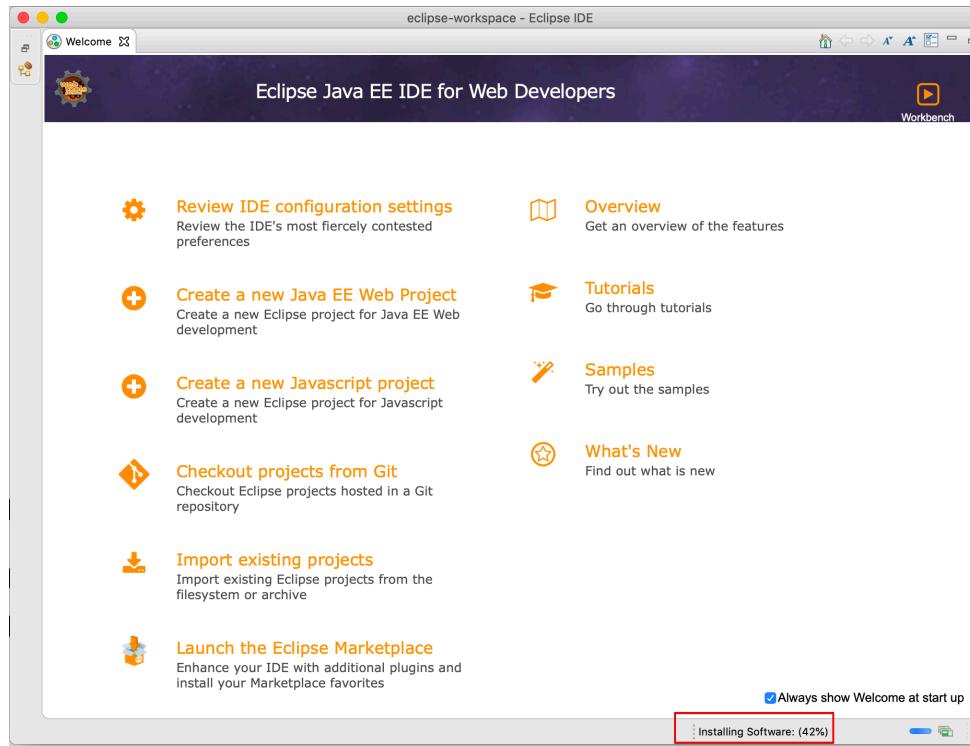


Instalação e configuração no Mac OS X

IDE

3 - CDT

n) Aguarde o processo de download e instalação.

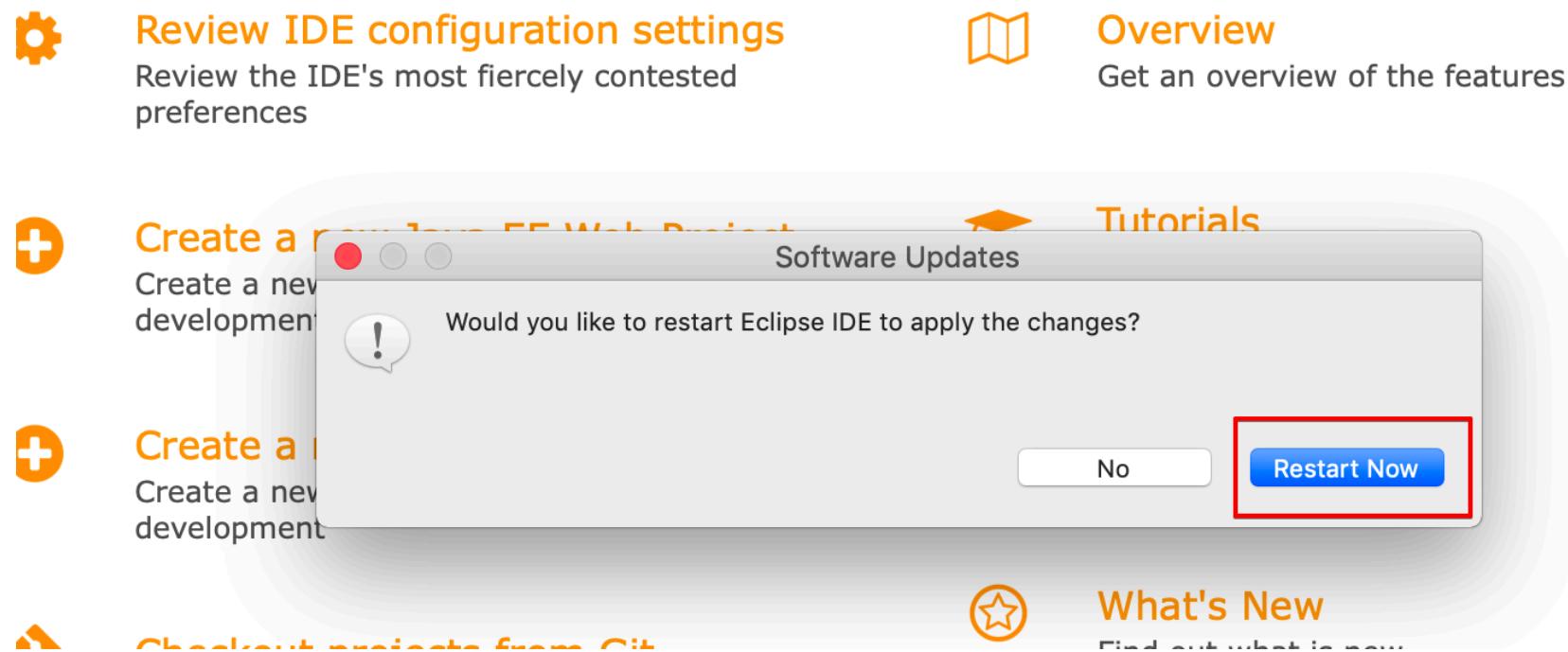


Instalação e configuração no Mac OS X

IDE

3 - CDT

- o) Ao final, clique em 'Restart Now' para reiniciar o Eclipse com as novas configurações.

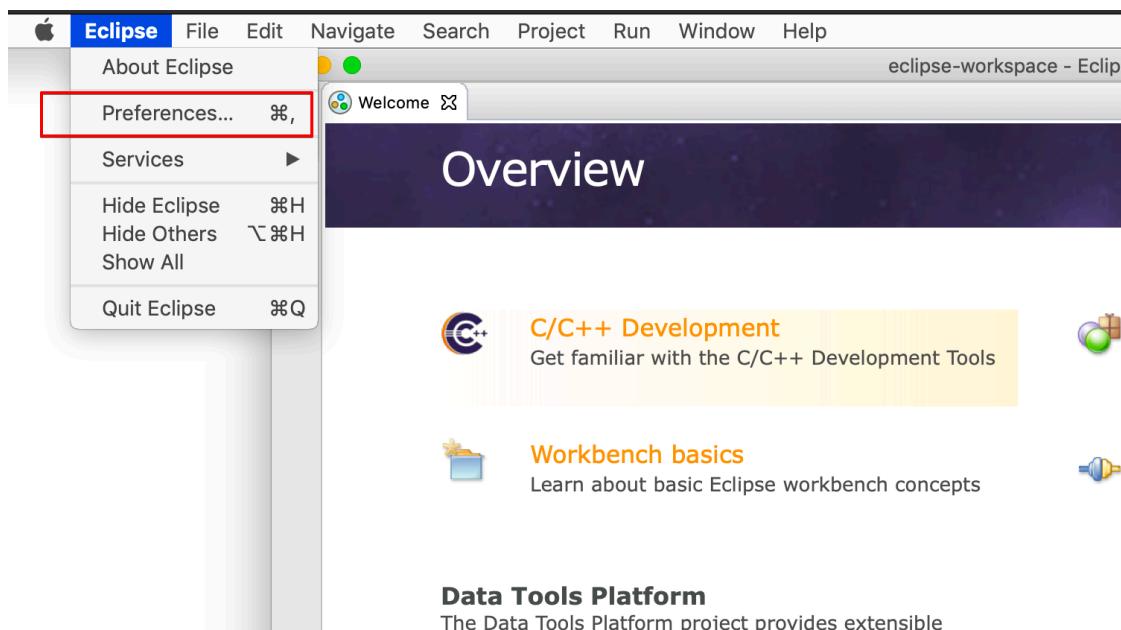


Instalação e configuração no Mac OS X

IDE

3 - CDT

p) Após reiniciar o Eclipse, acesse o menu Eclipse -> Preferences

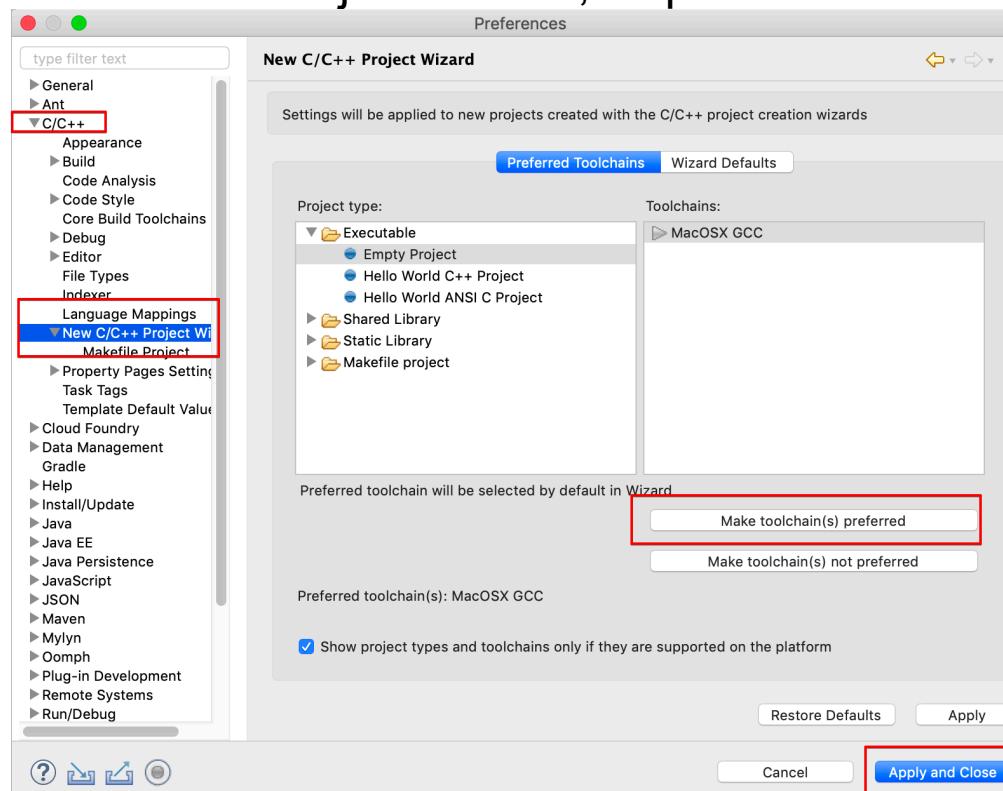


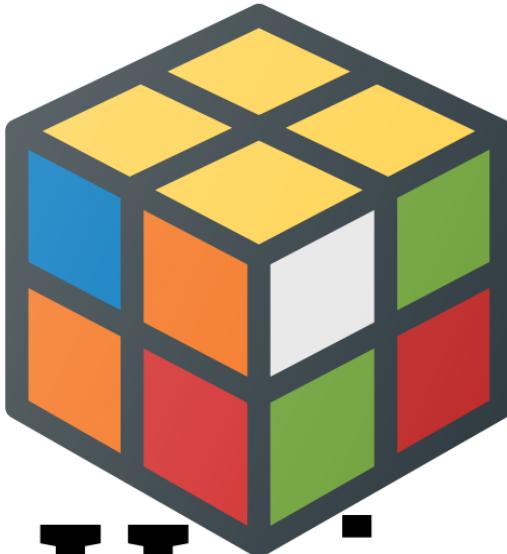
Instalação e configuração no Mac OS X

IDE

3 - CDT

q) Acesse C/C++ -> New C/C++ Project Wizard, clique no botão ‘Make toolchain(s) preferred’ e em ‘Apply and Close’





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