

Análise e Projeto Orientado a Objetos

Configuração do Ambiente de Desenvolvimento

2021/01

JDK

Scene Builder

Eclipse IDE

Java FX








Referências

Java Development Kit (JDK)

1. Fazer o download do instalador em

<https://www.oracle.com/br/java/technologies/javase-jdk15-downloads.html>.

Neste exemplo será utilizada a versão 15.0.2.

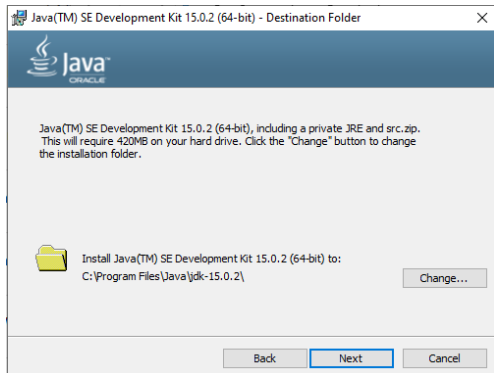
Linux x64 Debian Package	154.81 MB	 jdk-15.0.2_linux-x64_bin.deb
Linux x64 RPM Package	162.03 MB	 jdk-15.0.2_linux-x64_bin.rpm
Linux x64 Compressed Archive	179.35 MB	 jdk-15.0.2_linux-x64_bin.tar.gz
macOS Installer	175.93 MB	 jdk-15.0.2_osx-x64_bin.dmg
macOS Compressed Archive	176.51 MB	 jdk-15.0.2_osx-x64_bin.tar.gz
Windows x64 Installer	159.71 MB	 jdk-15.0.2_windows-x64_bin.exe
Windows x64 Compressed Archive	179.28 MB	 jdk-15.0.2_windows-x64_bin.zip

Java Development Kit (JDK)

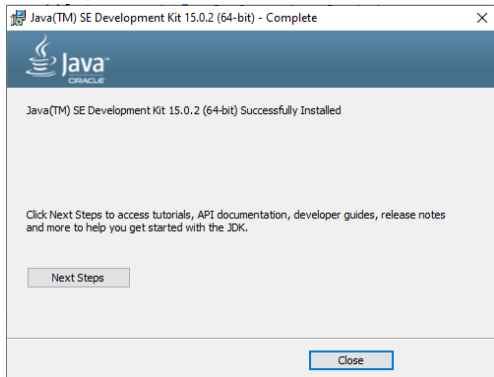
2. Executar o instalador, observando o local de instalação da JDK.



Java Development Kit (JDK)

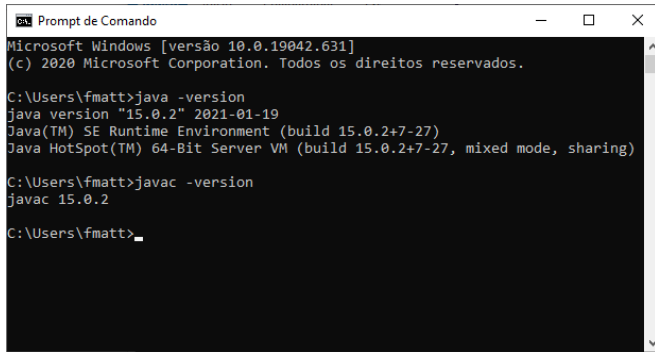


Java Development Kit (JDK)



Java Development Kit (JDK)

3. Confirme a instalação da JDK, digitando, em um prompt de comando os comandos “java -version” e “javac -version”.



```

C:\> Prompt de Comando

Microsoft Windows [versão 10.0.19042.631]
(c) 2020 Microsoft Corporation. Todos os direitos reservados.

C:\Users\fmatt>java -version
java version "15.0.2" 2021-01-19
Java(TM) SE Runtime Environment (build 15.0.2+7-27)
Java HotSpot(TM) 64-Bit Server VM (build 15.0.2+7-27, mixed mode, sharing)

C:\Users\fmatt>javac -version
javac 15.0.2

C:\Users\fmatt>_
  
```

Scene Builder

1. Fazer o download do instalador em <https://gluonhq.com/products/scene-builder/#download>.

Download Scene Builder

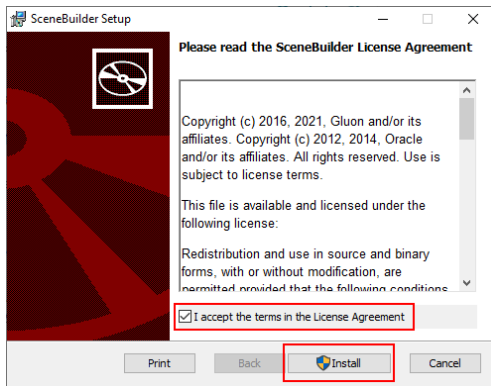
Scene Builder **15.0.1** was released on **Jan 24, 2021**.

*You can use this Scene Builder version together with **Java 11 and higher**.*

Product	Platform	Download
Scene Builder	Windows Installer	Download
Scene Builder	Mac OS X dmg	Download
Scene Builder	Linux RPM	Download
Scene Builder	Linux Deb	Download
Scene Builder Kit info	Jar File	Download

Scene Builder

2. Executar o instalador, aceitar a licença e prosseguir com a instalação.



Eclipse IDE

1. Fazer o download do instalador em

<https://www.eclipse.org/downloads/>.



The Eclipse Installer 2020-12 R now includes a JRE for macOS, Windows and Linux.



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Eclipse IDE



Download

Download from: Brazil - C3SL - Federal University of Parana (<https>)

File: eclipse-inst-jre-win64.exe

SHA-512

>> [Select Another Mirror](#)

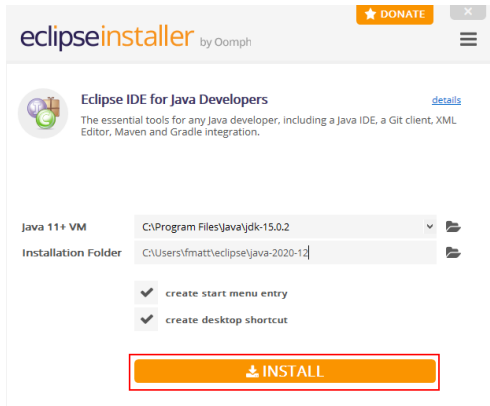
Eclipse IDE

2. Executar o instalador e selecionar a opção “Eclipse IDE for Java Developers”.



Eclipse IDE

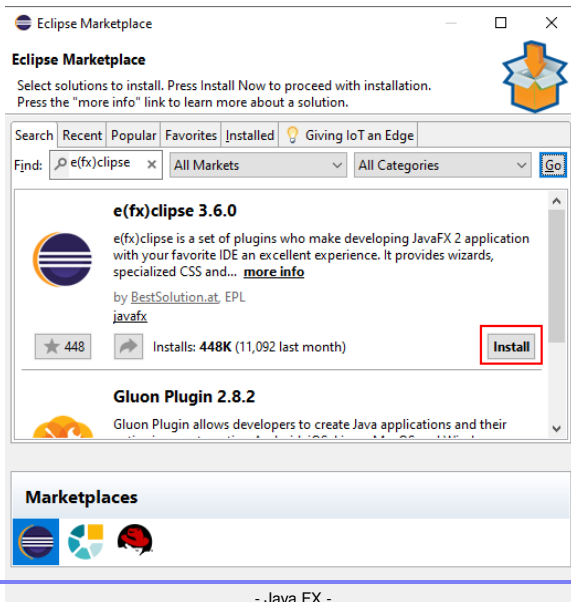
3. Verificar os diretórios de instalação da JDK e de destino do Eclipse e clicar em “Install”.



Java FX

1. Com o Eclipse em execução, clicar no menu “Help” > “Eclipse Marketplace”.
2. Pesquisar por “e(fx)clipse” e clicar em “Install”.

Java FX



The screenshot shows the Eclipse Marketplace interface. At the top, the title bar reads 'Eclipse Marketplace'. Below it, the 'Eclipse Marketplace' section contains the instruction: 'Select solutions to install. Press Install Now to proceed with installation. Press the "more info" link to learn more about a solution.' To the right of this text is a blue icon of an open box with an arrow pointing down.

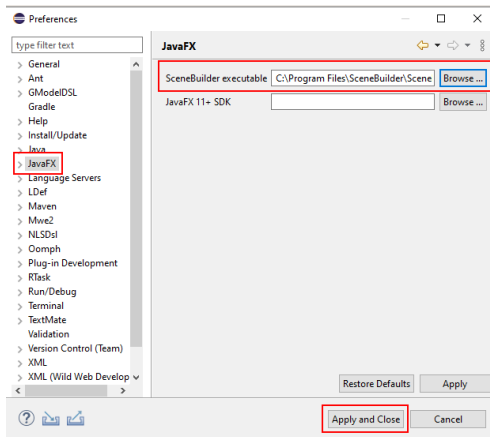
The main content area has a search bar with the text 'Find: e(fx)clipse' and a 'Go' button. Below the search bar are tabs for 'Recent', 'Popular', 'Favorites', 'Installed', and a lightbulb icon labeled 'Giving IoT an Edge'. The search results show two items:

- e(fx)clipse 3.6.0**: The description states it is a set of plugins for developing JavaFX 2 applications. It includes a star rating of 448 and 448K installs (11,092 last month). The 'Install' button is highlighted with a red rectangle.
- Gluon Plugin 2.8.2**: The description states it allows developers to create Java applications and their GUIs.

At the bottom, there is a 'Marketplaces' section with three icons: the Eclipse logo, a multi-colored circular logo, and a red logo with a white 'S'.

Java FX

- Após reiniciar o Eclipse, clique em “Window” > “Preferences”. Na seção “JavaFX”, informe o diretório de instalação do Scene Builder.



Referências

- ▶ Booch, G. *et al.*. *Object-oriented analysis and design with applications*, 3ª edição. Boston, MA, USA, Pearson Education.

- ▶ Page-Jones, M. *Fundamentos do desenho orientado a objeto com UML*. São Paulo, Makron Books, 2001.

- ▶ Sommerville, I. *Engenharia de Software*, 9ª edição. São Paulo, Pearson Prentice Hall, 2011.