

# Programação Orientada 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.

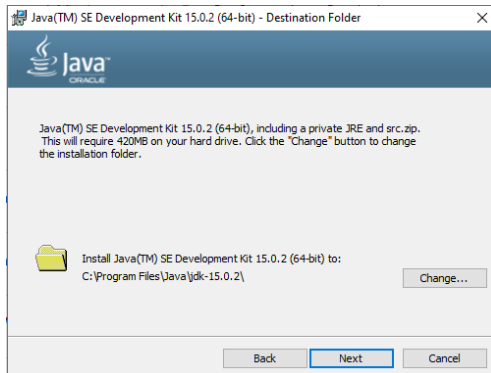
|                                |           |   |
|--------------------------------|-----------|---|
| Linux x64 Debian Package       | 154.81 MB |  <a href="#">jdk-15.0.2_linux-x64_bin.deb</a>    |
| Linux x64 RPM Package          | 162.03 MB |  <a href="#">jdk-15.0.2_linux-x64_bin.rpm</a>    |
| Linux x64 Compressed Archive   | 179.35 MB |  <a href="#">jdk-15.0.2_linux-x64_bin.tar.gz</a> |
| macOS Installer                | 175.93 MB |  <a href="#">jdk-15.0.2_osx-x64_bin.dmg</a>      |
| macOS Compressed Archive       | 176.51 MB |  <a href="#">jdk-15.0.2_osx-x64_bin.tar.gz</a>   |
| Windows x64 Installer          | 159.71 MB |  <a href="#">jdk-15.0.2_windows-x64_bin.exe</a>  |
| Windows x64 Compressed Archive | 179.28 MB |  <a href="#">jdk-15.0.2_windows-x64_bin.zip</a>  |

# Java Development Kit (JDK)

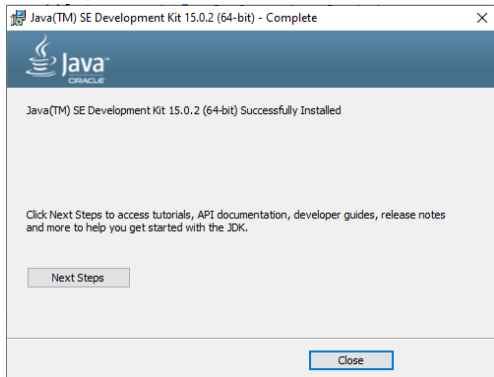
2. Executar o instalador, observando o local de instalação da JDK.



# Java Development Kit (JDK)

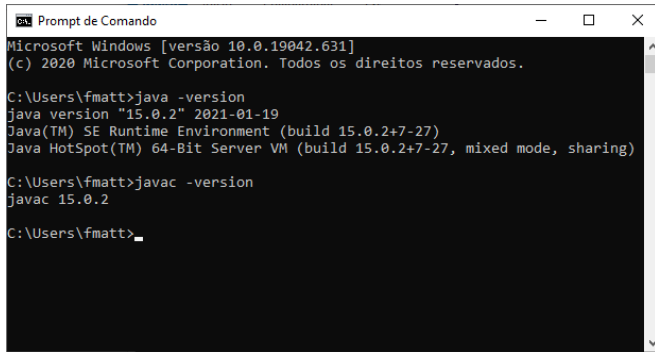


# Java Development Kit (JDK)



# 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**.

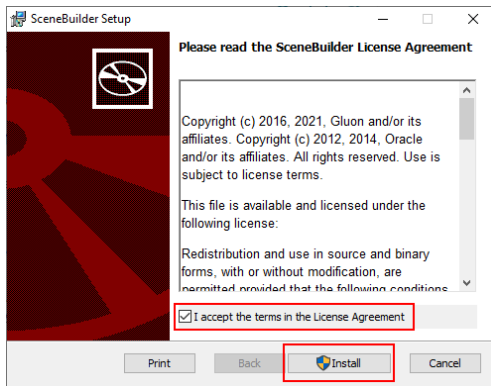
*You can use this Scene Builder version together with **Java 11 and higher**.*

| Product                                | Platform          | Download                 |
|--|-------------------|--------------------------|
| Scene Builder                          | Windows Installer | <a href="#">Download</a> |
| Scene Builder                          | Mac OS X dmg      | <a href="#">Download</a> |
| Scene Builder                          | Linux RPM         | <a href="#">Download</a> |
| Scene Builder                          | Linux Deb         | <a href="#">Download</a> |
| Scene Builder Kit <a href="#">info</a> | Jar File          | <a href="#">Download</a> |



# 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/>.



# Eclipse IDE



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

**File:** eclipse-inst-jre-win64.exe **SHA-512**

>> [Select Another Mirror](#)

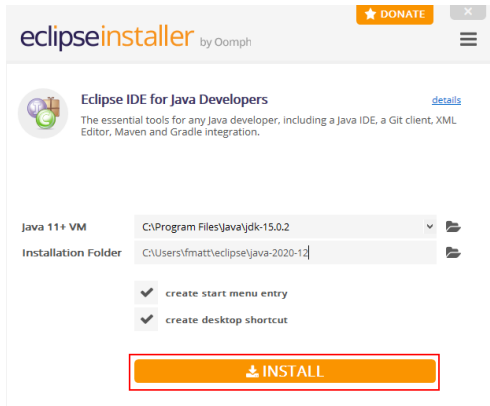
# Eclipse IDE

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



# Eclipse IDE

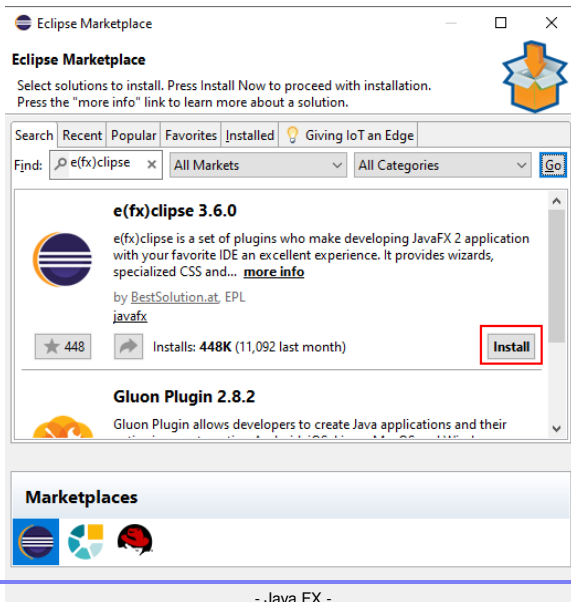
3. Verificar os diretórios de instalação da JDK e de destino do Eclipse e clicar em “Install”.





# 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

 Eclipse Marketplace

## Eclipse Marketplace

Select solutions to install. Press Install Now to proceed with installation.  
Press the "more info" link to learn more about a solution.



Search

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Giving IoT an Edge


Find:

e(fx)clipse

All Markets

All Categories

Go




### e(fx)clipse 3.6.0

e(fx)clipse is a set of plugins who make developing JavaFX 2 application with your favorite IDE an excellent experience. It provides wizards, specialized CSS and... [more info](#)

by [BestSolution.at](#), EPL


[javafx](#)

★ 448



Installs: 448K (11,092 last month)




Install



### Gluon Plugin 2.8.2

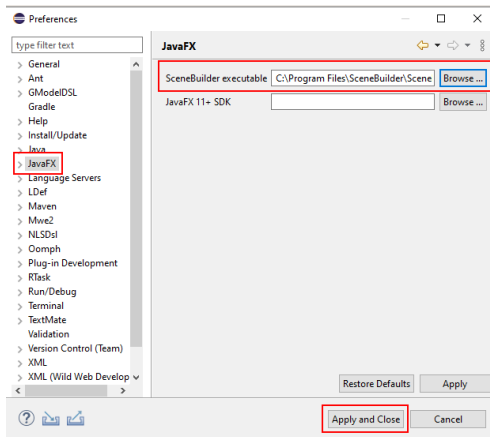
Gluon Plugin allows developers to create Java applications and their

## Marketplaces

# Java FX

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





## Referências

- ▶ Barnes, D. J., Kolling, M. *Programação orientada a objetos com Java*, 4ª edição. São Paulo, Pearson Prentice Hall, 2009.
- ▶ Deitel, P.; Deitel, H. *Java: como programar*, 8ª edição. São Paulo, Pearson Prentice Hall, 2010.