



- Prof. Fernando Lucas
- 1. Conhecendo e instalando dependências.

O que é Flutter?

4

Um SDK que permite criar apps bonitos, modernos e de alta performance

Desenvolve para Android e iOS

Uma ferramenta open-source, desenvolvida pela Google

100+ contribuidores na comunidade

Flutter foi criado para quem?

Designers para uma experiência de Android e iOS

Prototypers usufruem de uma prototipagem rápida, fiel e totalmente funcional

Desenvolvedores se beneficiam de ferramentas de desenvolvimento fantásticas, uma linguagem fácil de usar, um rico conjunto de Widgets e um grande suporte a IDEs. Flutter diminui consideravelmente seu tempo de trabalho e faz com que este seja prazeroso.

Fluxo de Desenvolvimento Orientado ao Design

O Que Você Vê Aqui?



Oeschinen Lake Campground

Kandersteg, Switzerland

★ 41



CALL



ROUTE

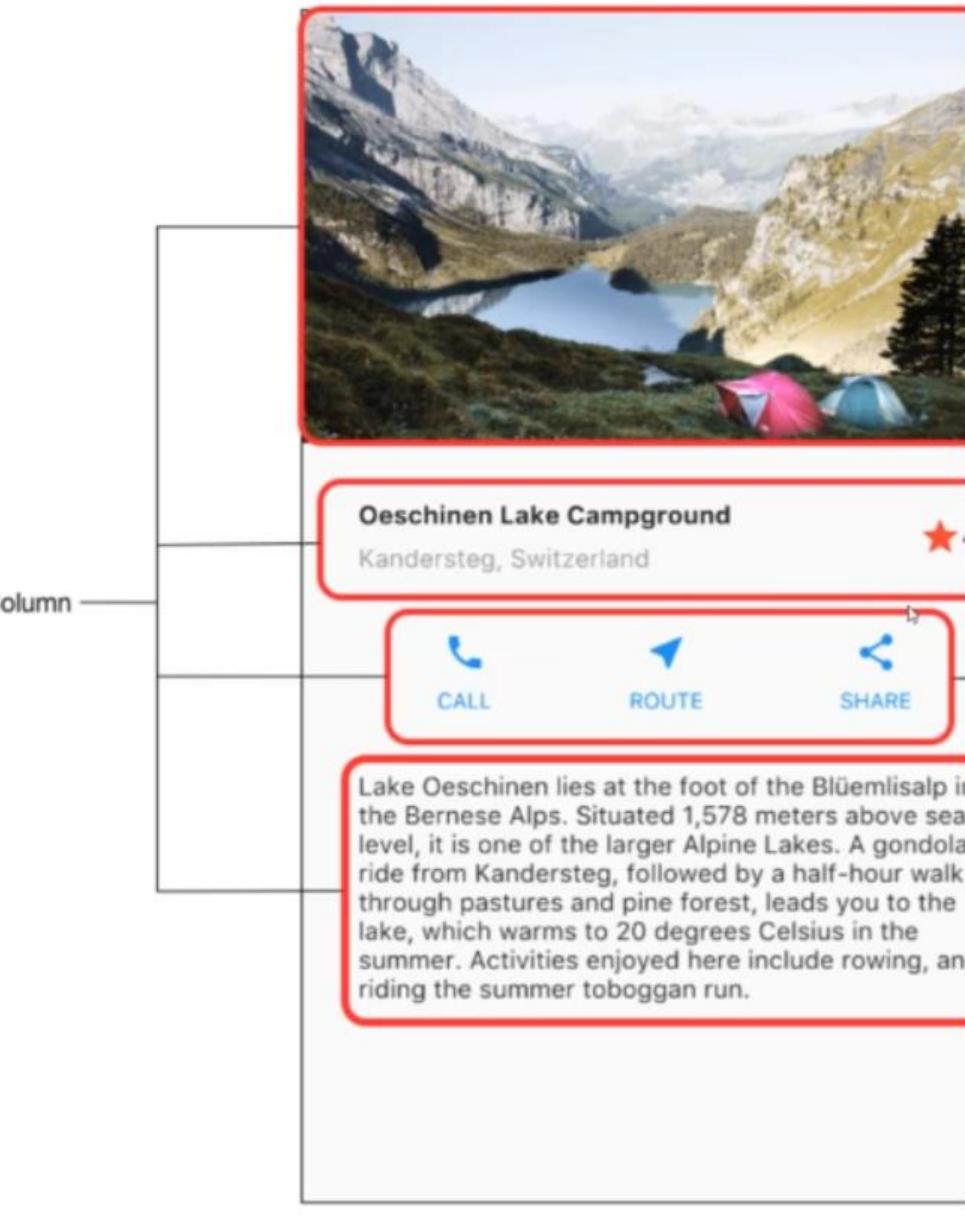


SHARE

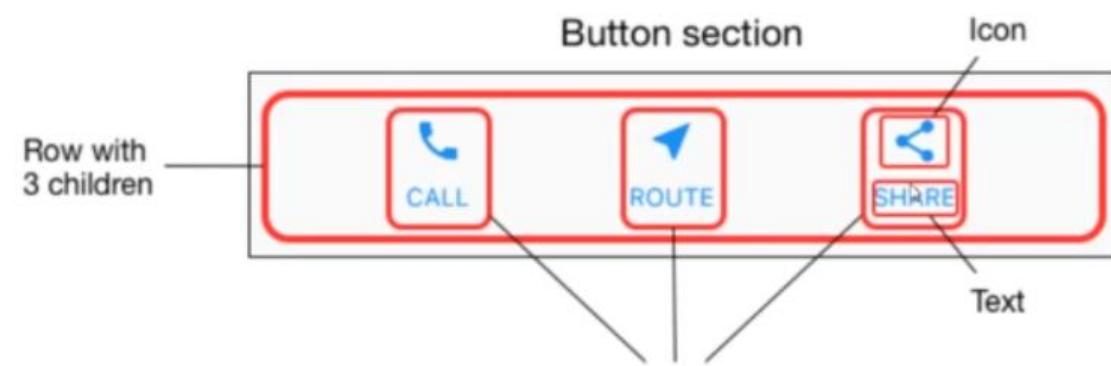
Lake Oeschinen lies at the foot of the Blüemlisalp in the Bernese Alps. Situated 1,578 meters above sea level, it is one of the larger Alpine Lakes. A gondola ride from Kandersteg, followed by a half-hour walk through pastures and pine forest, leads you to the lake, which warms to 20 degrees Celsius in the summer. Activities enjoyed here include rowing, and riding the summer toboggan run.

Diagrama o Layout

- Procure por linhas e colunas
- Há alguma grade?
- Algum elemento sobrepondo?
- Precisamos de tabs?
- Necessário recuos ou alinhamentos?



Desenhando os Widgets



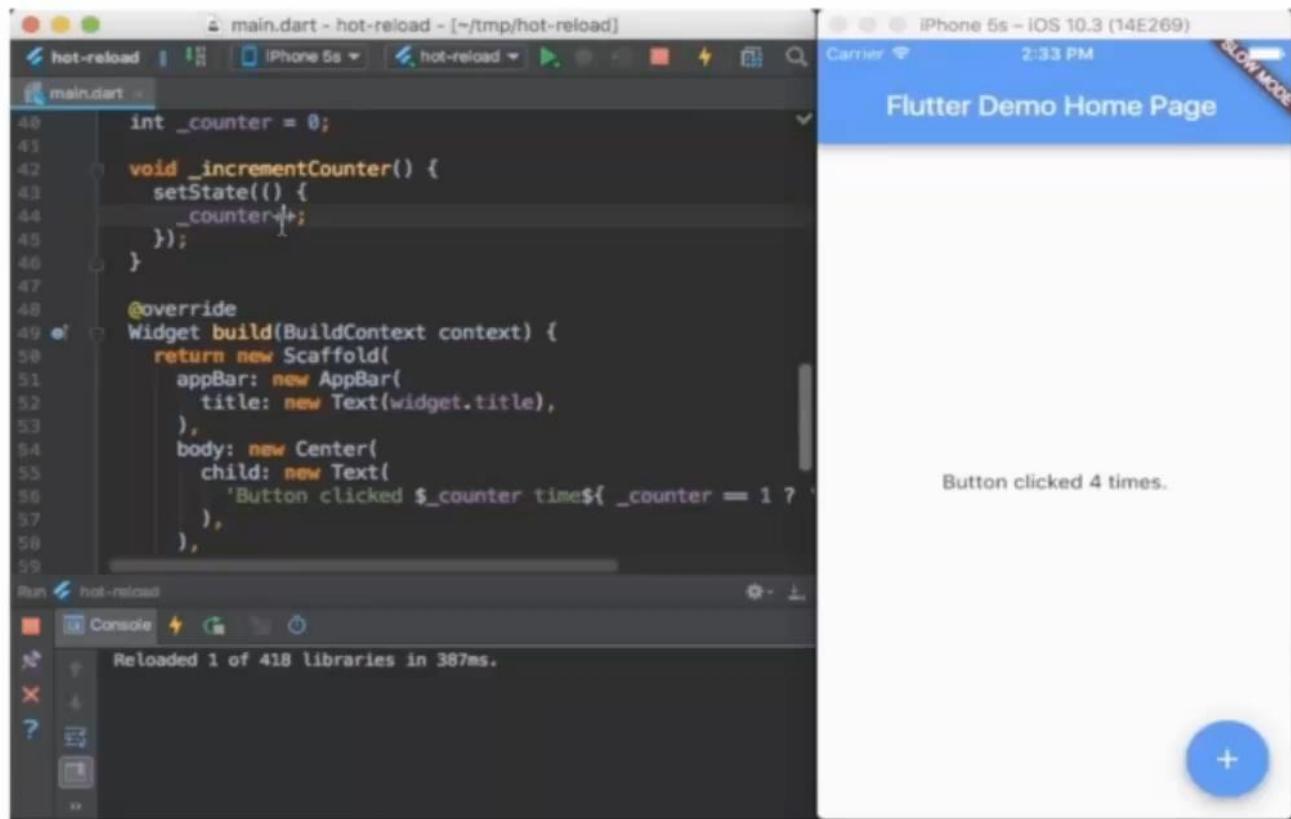
HTML/CSS Análogos em Flutter

```
<div class="greybox">  
    Lorem ipsum  
</div>  
  
.greybox {  
    background-color: #e0e0e0; /* grey 300 */  
    width: 320px;  
    height: 240px;  
    font: 900 24px Georgia;  
}
```

```
var container = Container( // grey box  
    child: Text(  
        "Lorem ipsum",  
        style: TextStyle(  
            fontSize: 24.0  
            fontWeight: FontWeight.w900,  
            fontFamily: "Georgia",  
        ),  
        ),  
    width: 320.0,  
    height: 240.0,  
    color: Colors.grey[300],  
);
```

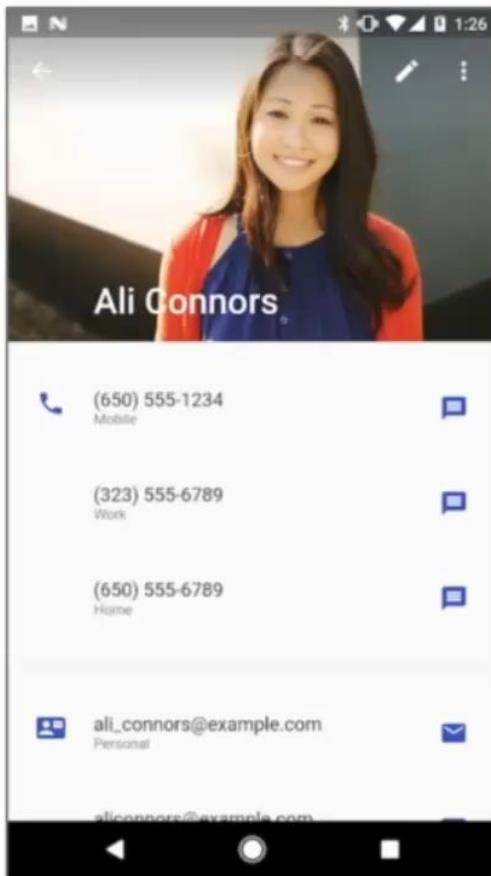
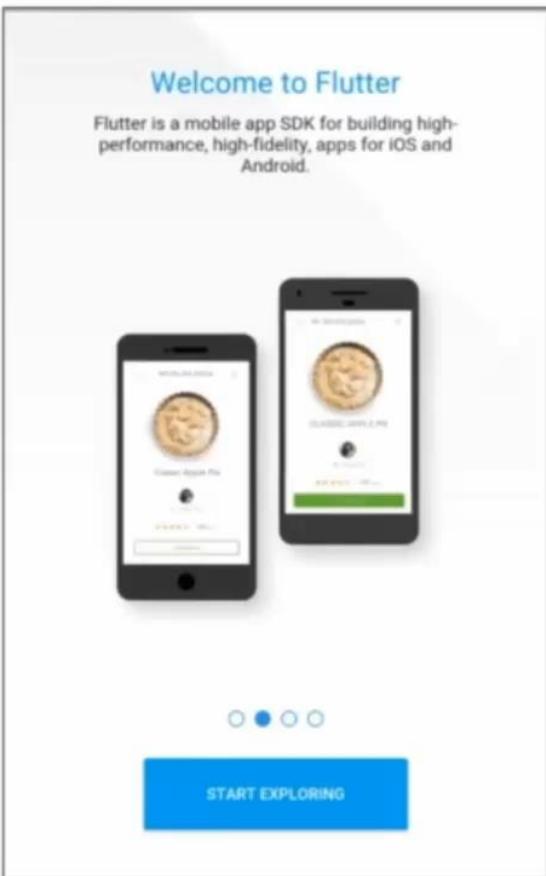
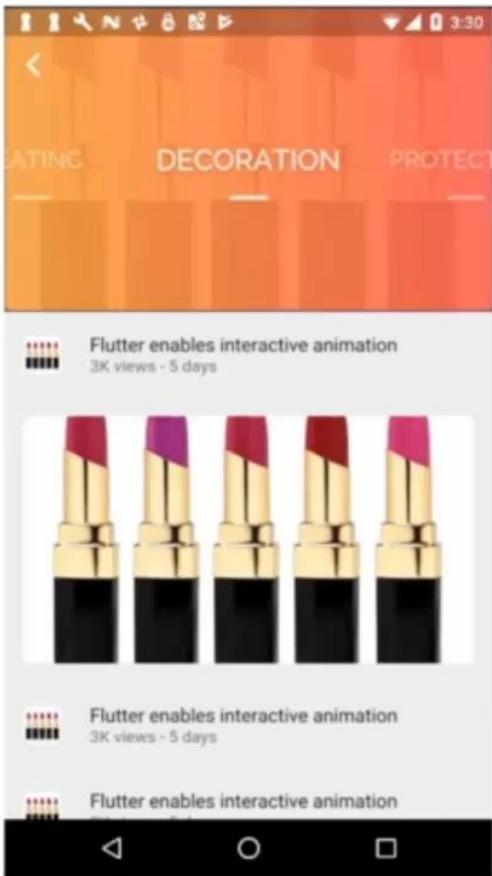
Recarregamento Rápido

Injetando códigos atualizados em uma Dart VM rodando

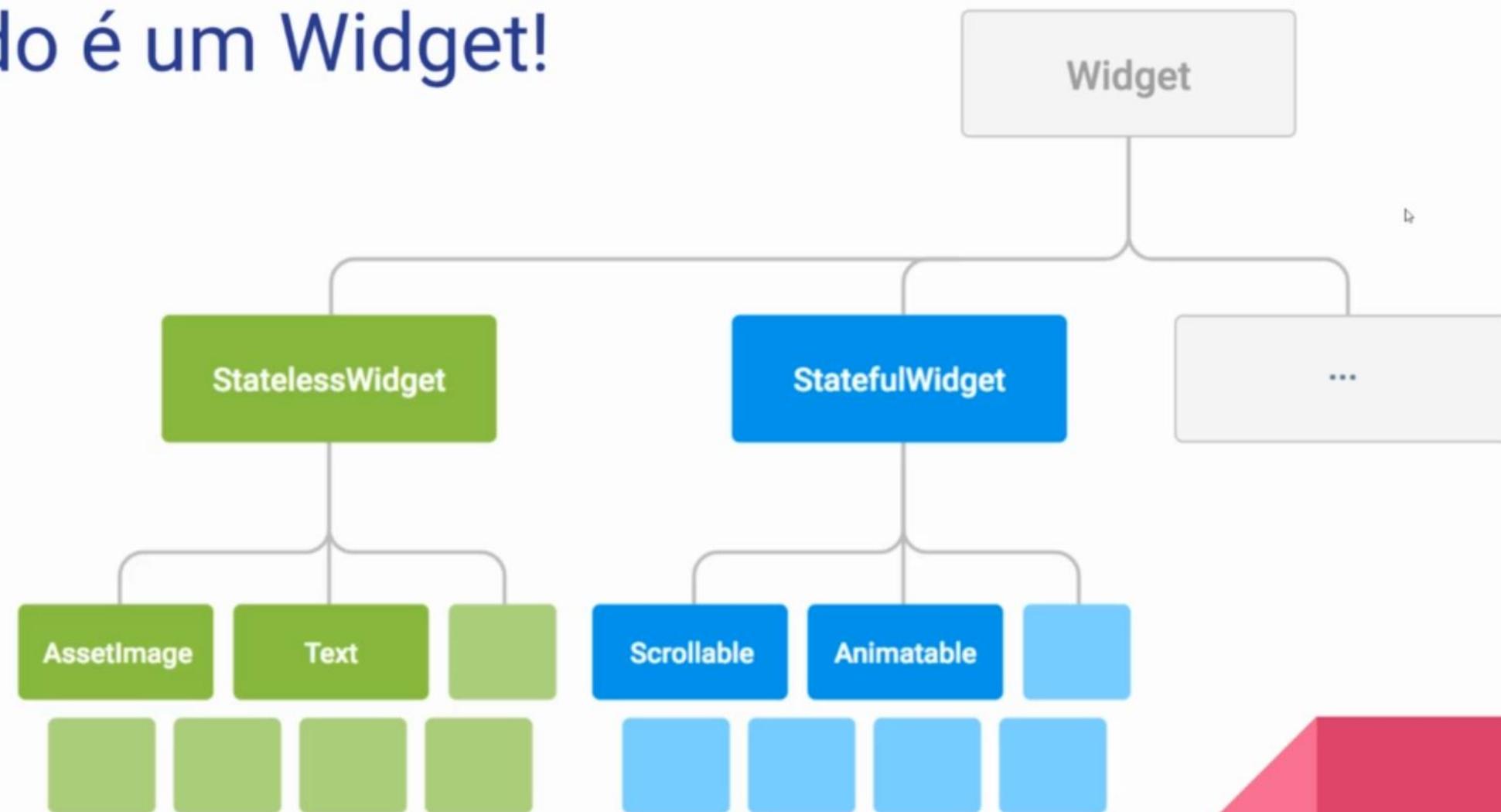


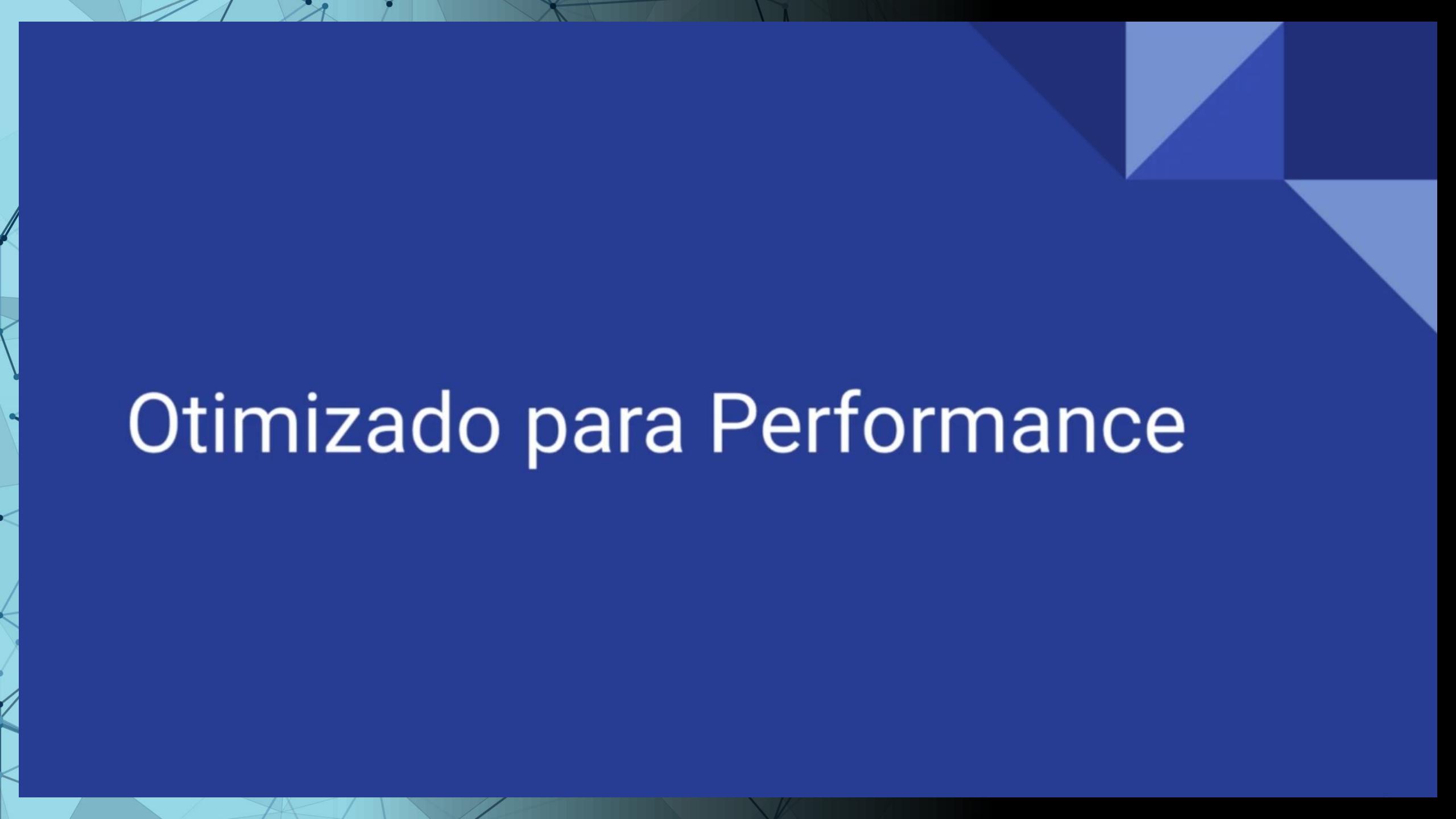
O Poder dos Widgets

Widgets Bonitos e Rápidos



Tudo é um Widget!



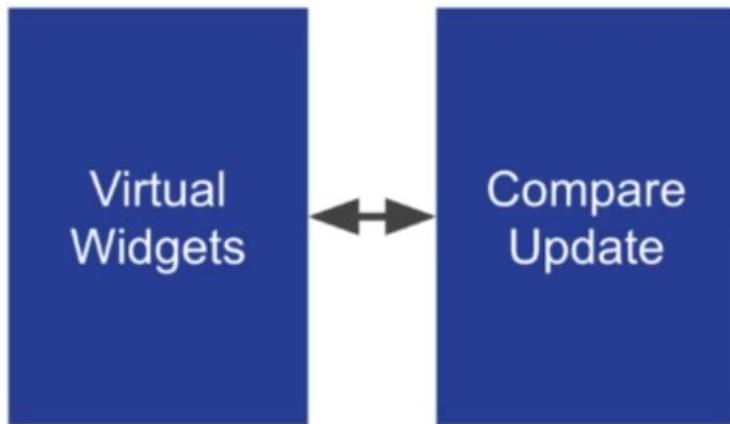


Otimizado para Performance

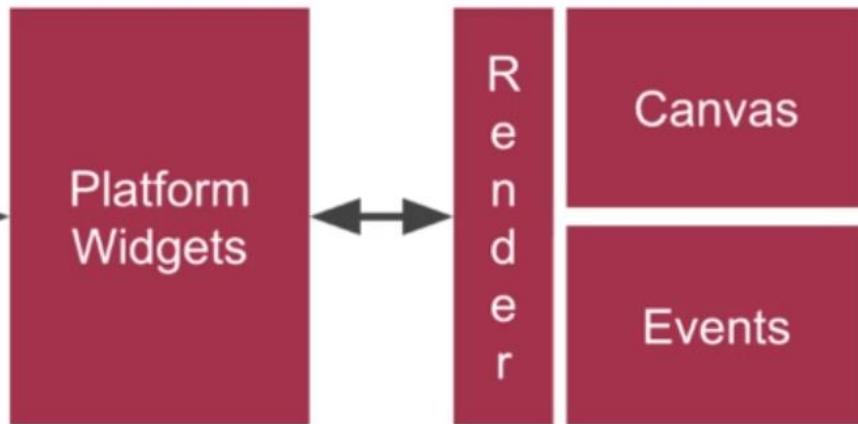
- Compila para códigos Nativos
- Nenhuma ponte necessária

Reactive Frameworks em Mobile

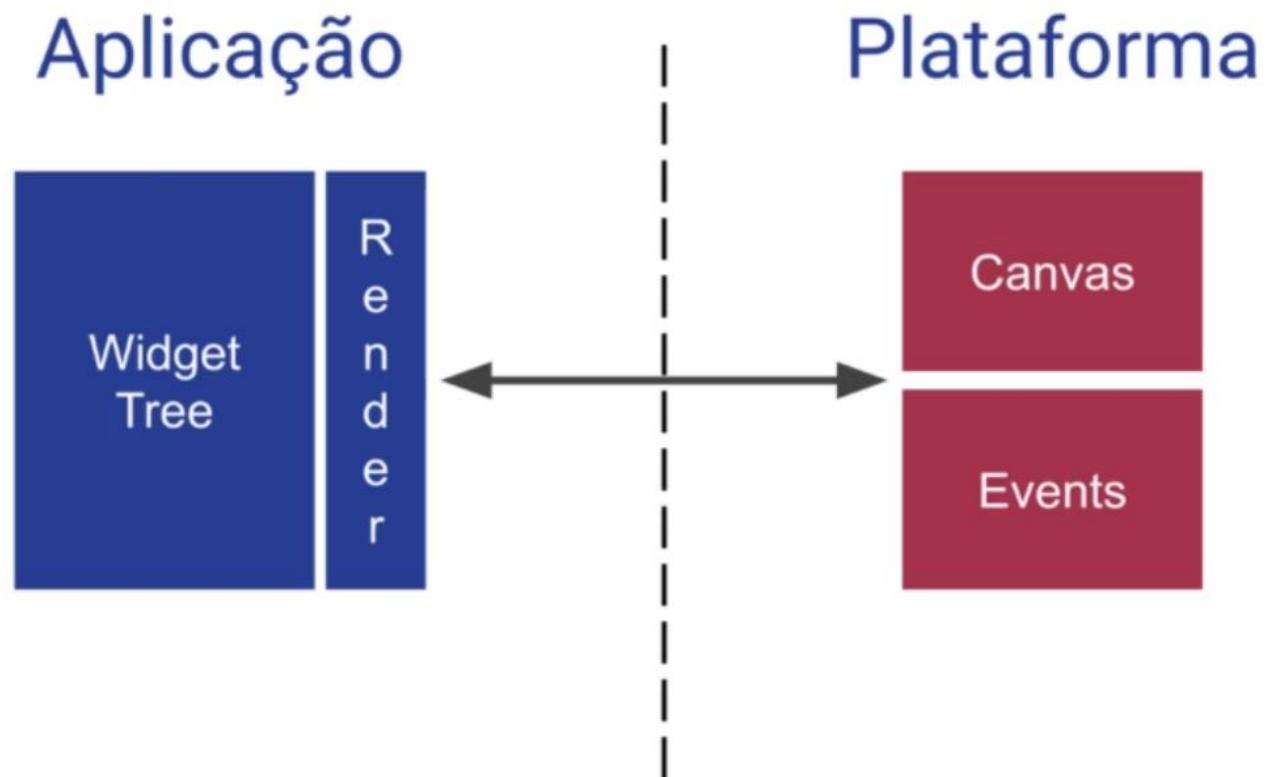
Aplicação



Plataforma

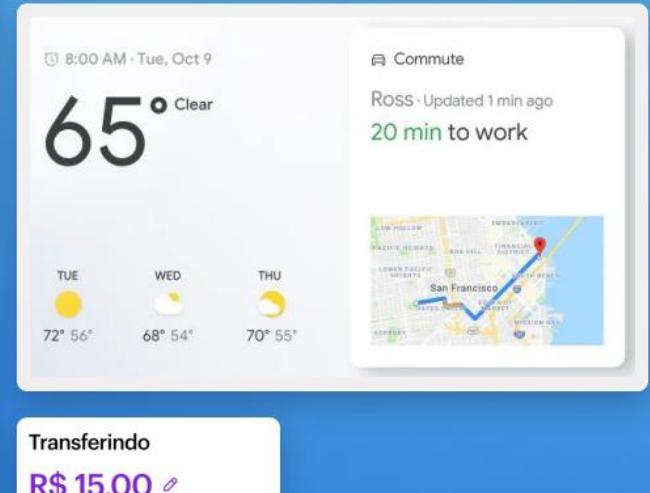
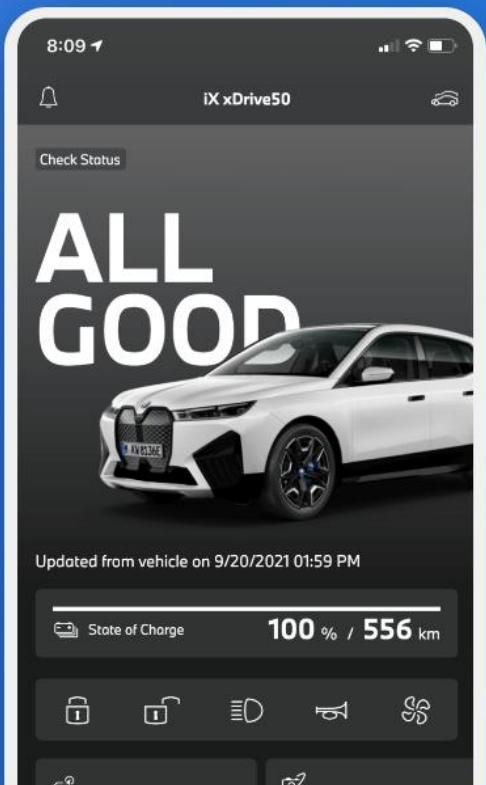


Usando Flutter



<https://flutter.dev>

Build apps for any screen



What's new [Install Flutter](#)
Editor support DevTools
Hot reload Cookbook
Profiling Tutorials

Racing Forward at I/O 2023 with Flutter and Dart

Read the announcement!

Get started

1. [Install](#)
2. [Set up an editor](#)
3. [Test drive](#)
4. [Write your first app](#)
5. [Learn more](#)

▶ From another platform?

[Dart language overview](#) 

Stay up to date

Samples & codelabs

User interface

[Introduction](#)[Layout](#)[Design & theming](#)[Interactivity](#)[Assets & media](#)[Navigation & routing](#)[Animations & transitions](#)

Development

Install

[Get started](#) > Install[Set up an editor](#) 

Select the operating system on which you are installing Flutter:



Windows



macOS



Linux



ChromeOS

Important: If you're in China, read [Using Flutter in China](#).[Set up an editor](#) 

WINDOWS INSTALL

Get started > Install > Windows

System requirements

To install and run Flutter, your development environment must meet these minimum requirements:

- **Operating Systems:** Windows 10 or later (64-bit), x86-64 based.
- **Disk Space:** 1.64 GB (does not include disk space for IDE/tools).
- **Tools:** Flutter depends on these tools being available in your environment.
 - [Windows PowerShell 5.0](#) or newer (this is pre-installed with Windows 10)
 - [Git for Windows](#) 2.x, with the **Use Git from the Windows Command Prompt** option.

If Git for Windows is already installed, make sure you can run `git` commands from the command prompt or PowerShell.

Get the Flutter SDK

Important: If you're in China, read [Using Flutter in China](#).

Help

1. Download the following installation bundle to get the latest stable release of the Flutter SDK

[flutter_windows_3.10.6-stable.zip](#)

For other release channels, and older builds, check out the [SDK archive](#).

2. Extract the zip file and place the contained `flutter` in the desired installation location for the Flutter SDK (for example

Flutter

Contents

[System requirements](#)

[Get the Flutter SDK](#)

[Update your path](#)

[Run flutter doctor](#)

Android setup

[Install Android Studio](#)

[Set up your Android device](#)

[Set up the Android emulator](#)

[Agree to Android Licenses](#)

Windows setup

[Additional Windows requirements](#)

[Next step](#)



Lixeira



- Abrir
- S Compartilhar com o Skype
- Abrir com WinRAR
- Extrair arquivos...
- Extrair aqui
- Extrair para "flutter_windows_3.10.6-stable\"

- Verificar Vírus
- Verificar a reputação na KSN

- Compartilhar
- Abrir com >
- Conceder acesso a >
- Restaurar versões anteriores
- Enviar para >
- Recortar
- Copiar
- Criar atalho
- Excluir
- Renomear
- Propriedades



TACTICAL ESPIONAGE ACTION

METAL GEAR SOLID® 3

SNAKE EATER



Lixeira



flutter windows



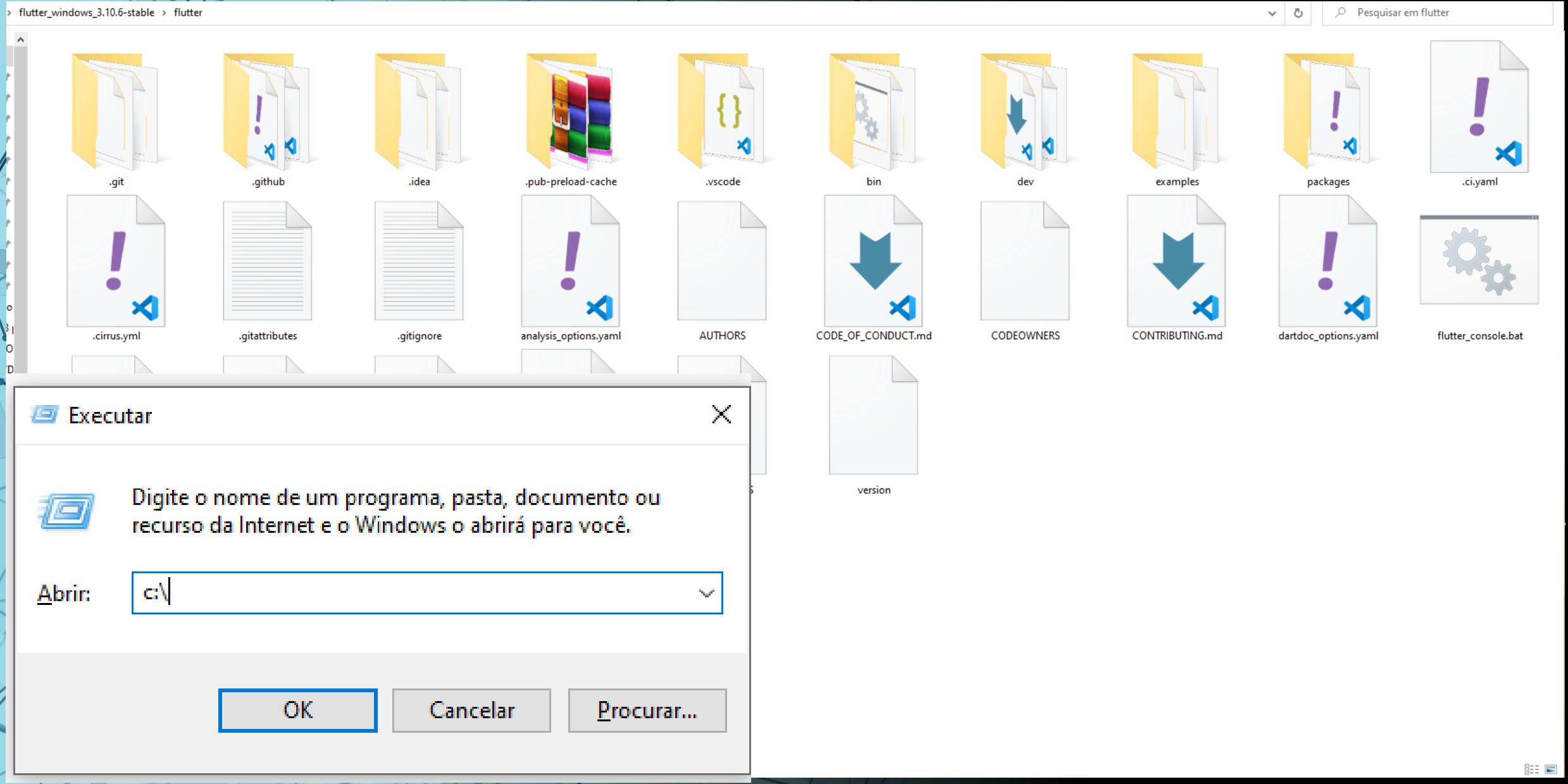
Nome	Data de modificação	Tipo
flutter	12/07/2023 20:09	Pasta de arquivos



flutter_windows_3.10.6-stable > flutter >

Pesquisar em flutter

Nome	Data de modificação	Tipo	Tamanho
.git	12/07/2023 20:06	Pasta de arquivos	
.github	12/07/2023 20:05	Pasta de arquivos	
.idea	12/07/2023 20:09	Pasta de arquivos	
.pub-preload-cache	12/07/2023 20:09	Pasta de arquivos	
.vscode	12/07/2023 20:05	Pasta de arquivos	
bin	12/07/2023 20:07	Pasta de arquivos	
dev	12/07/2023 20:05	Pasta de arquivos	
examples	12/07/2023 20:09	Pasta de arquivos	
packages	12/07/2023 20:05	Pasta de arquivos	
.ci.yaml	12/07/2023 20:05	Arquivo Fonte Yaml	151 KB
.cirrus.yaml	12/07/2023 20:05	Arquivo Fonte Yaml	8 KB
.gitattributes	12/07/2023 20:05	Documento de Te...	1 KB
.gitignore	12/07/2023 20:05	Documento de Te...	3 KB
.analysis_options.yaml	12/07/2023 20:05	Arquivo Fonte Yaml	12 KB
AUTHORS	12/07/2023 20:05	Arquivo	5 KB
CODE_OF_CONDUCT.md	12/07/2023 20:05	Arquivo Fonte Ma...	3 KB
CODEOWNERS	12/07/2023 20:05	Arquivo	1 KB
CONTRIBUTING.md	12/07/2023 20:05	Arquivo Fonte Ma...	11 KB
dartdoc_options.yaml	12/07/2023 20:05	Arquivo Fonte Yaml	2 KB
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LICENSE	12/07/2023 20:05	Arquivo	2 KB
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TESTOWNERS	12/07/2023 20:05	Arquivo	26 KB
version	12/07/2023 20:09	Arquivo	1 KB



Este Computador > Disco Local (C:) >

Pesquisar em Disco Local (C:)

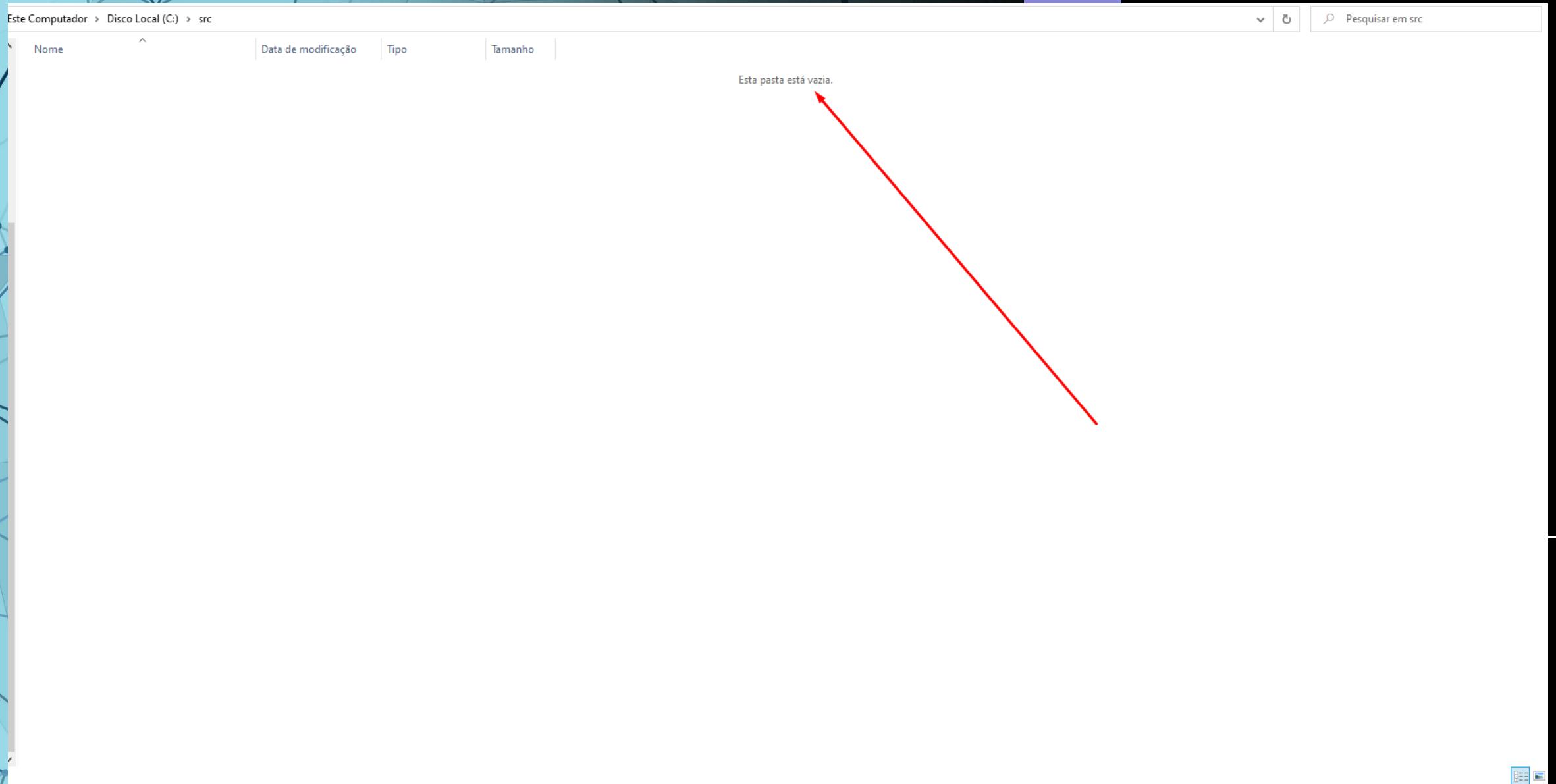
Nome	Data de modificação	Tipo	Tamanho
Arquivos de Programas RFB	28/05/2023 04:47	Pasta de arquivos	
AtualizaDKSOFT	26/06/2023 17:47	Pasta de arquivos	
DKSOFT	26/06/2023 17:50	Pasta de arquivos	
ELGIN	20/01/2023 06:44	Pasta de arquivos	
ESD	18/07/2023 09:28	Pasta de arquivos	
ESD-USB	05/07/2023 00:36	Pasta de arquivos	
Games	21/05/2023 17:03	Pasta de arquivos	
GitzWC	09/07/2023 17:08	Pasta de arquivos	
Intel	26/07/2023 12:32	Pasta de arquivos	
LanSchool Files	29/12/2022 12:23	Pasta de arquivos	
OneDriveTemp	28/05/2023 09:35	Pasta de arquivos	
PerfLogs	07/12/2019 06:14	Pasta de arquivos	
ProgramData	01/08/2023 22:45	Pasta de arquivos	
Riot Games	25/04/2023 20:48	Pasta de arquivos	
Usuários	23/06/2023 00:34	Pasta de arquivos	
VFUN	18/02/2023 14:40	Pasta de arquivos	
Windows	28/07/2023 13:38	Pasta de arquivos	
XboxGames	06/07/2023 01:10	Pasta de arquivos	
.GamingRoot	06/07/2023 01:10	Arquivo GAMING...	1 KB

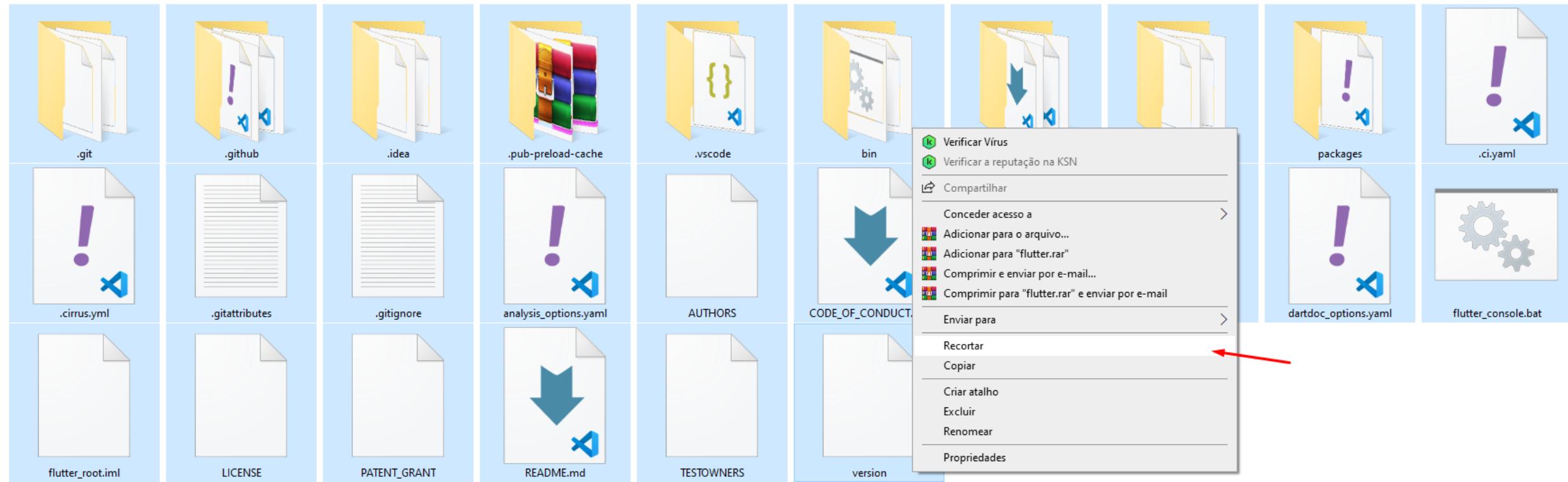
Exibir >
Classificar por >
Agrupar por >
Atualizar

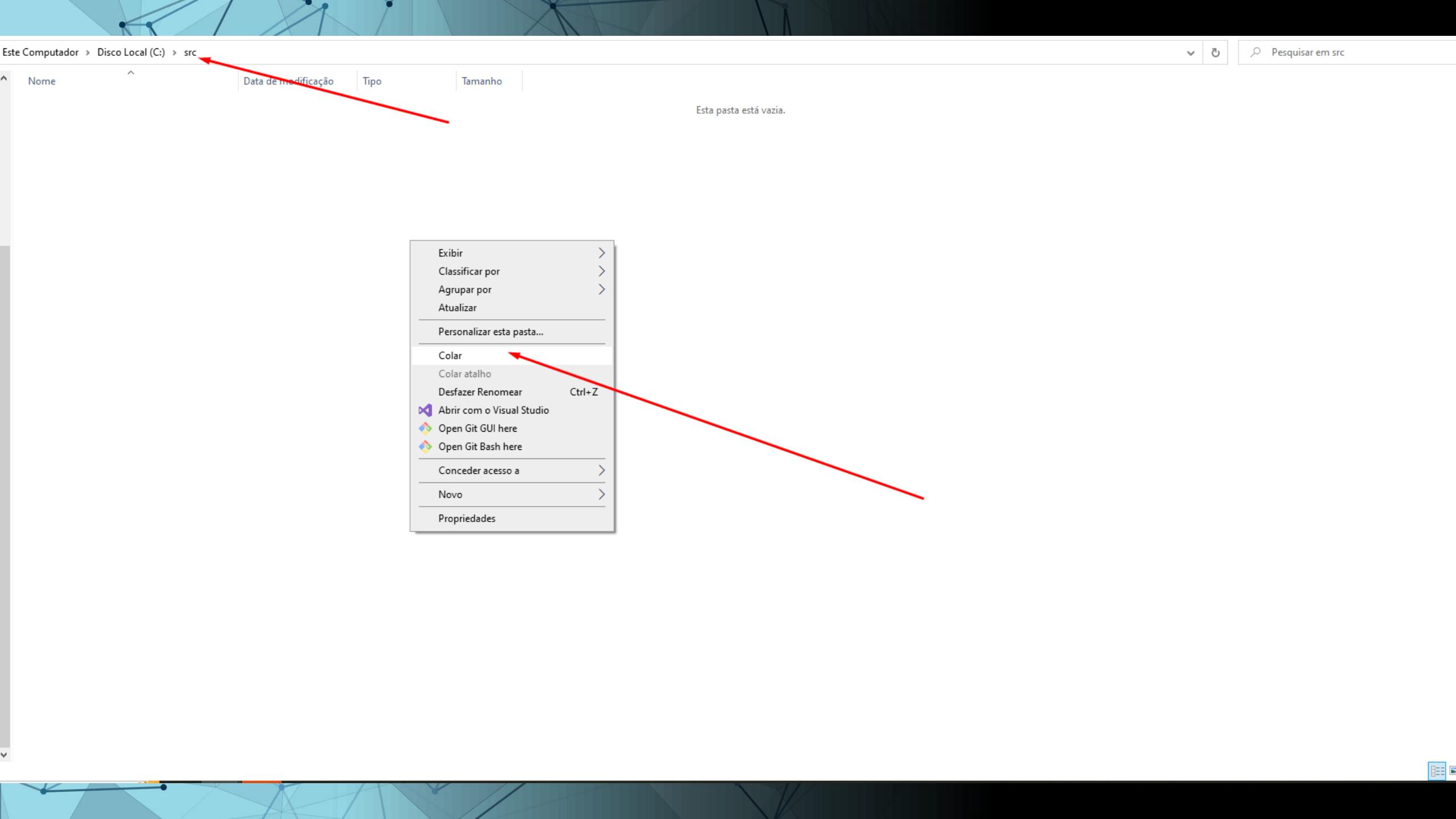
Colar
Colar atalho
Desfazer Mover Ctrl+Z
Abrir com o Visual Studio
Open Git GUI here
Open Git Bash here

Conceder acesso a >
Novo > Pasta
Propriedades









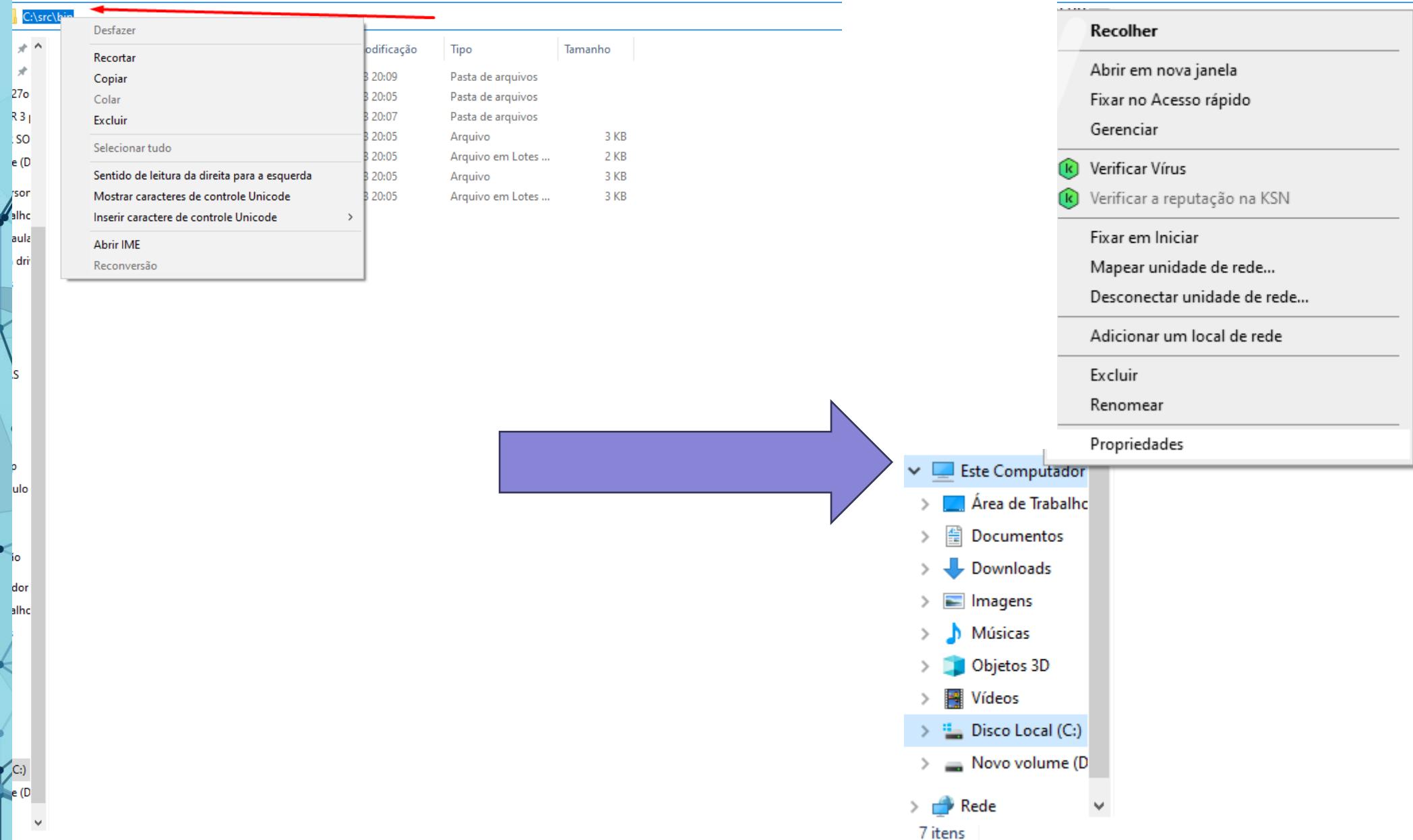
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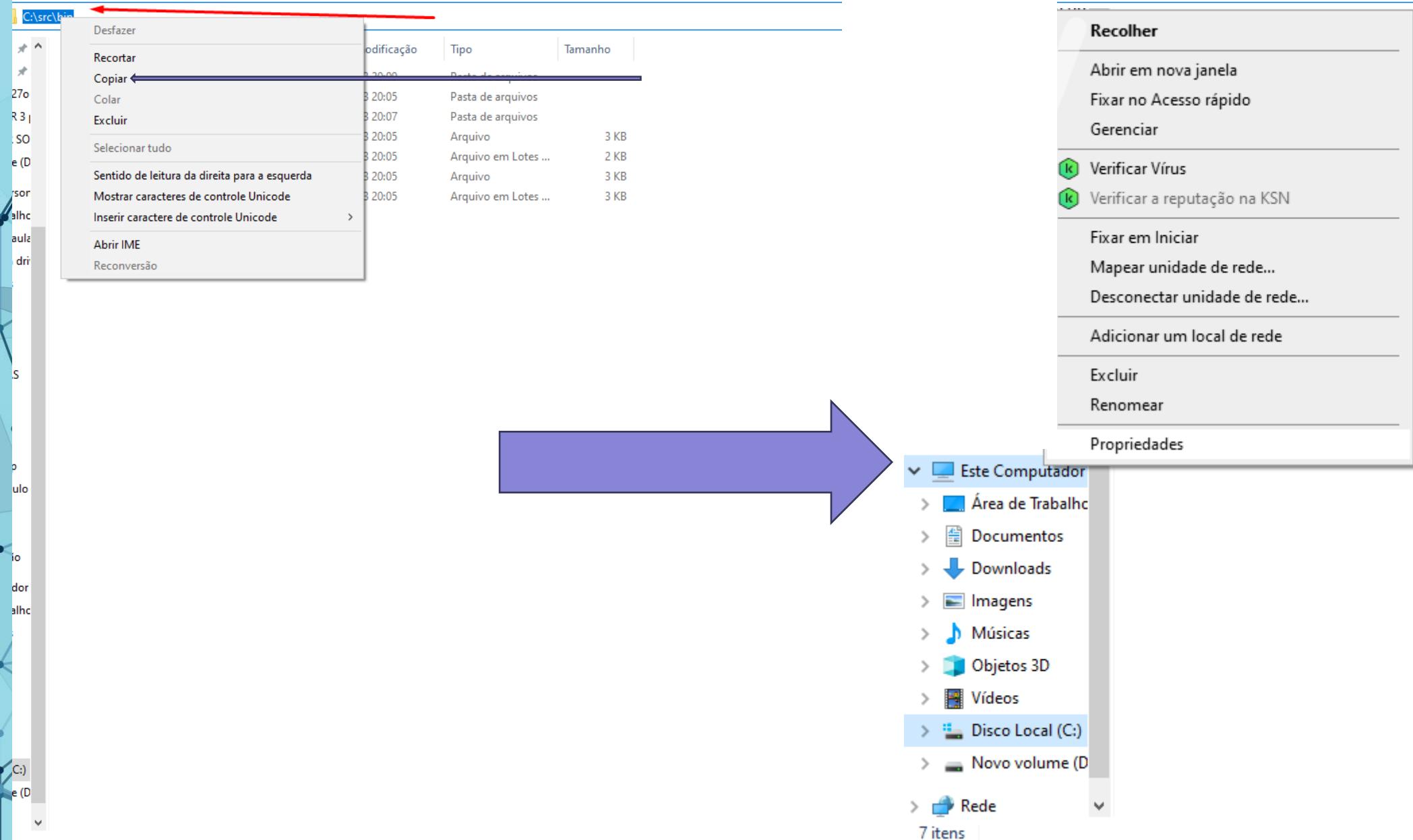
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Flutter







Início

Localizar uma configuração

Sistema

Tela

Som

Notificações e ações

Assistente de foco

Energia & suspensão

Bateria

Armazenamento

Tablet

Multitarefas

Projeção para este computador

Experiências compartilhadas

Área de Transferência

Área de Trabalho Remota

Sobre

O computador está monitorado e protegido.

[Veja detalhes em Segurança do Windows](#)

Especificações do dispositivo

Nome do dispositivo	DESKTOP-67SFHV
Processador	11th Gen Intel(R) C 2.30GHz 2.30 GHz
RAM instalada	24,0 GB (utilizável: 23,8 GB)
ID do dispositivo	2068BC60-3788-4DDD-9FE1-084615822573
ID do Produto	00330-80000-00000-AA827
Tipo de sistema	Sistema operacional de 64 bits, processador baseado em x64
Caneta e toque	Nenhuma entrada à caneta ou por toque disponível para este vídeo

Copiar

Renomear este computador

Especificações do Windows

Edição	Windows 10 Pro
Versão	22H2
Instalado em	01/08/2023
Compilação do SO	19045.3208
Experiência	Windows Feature Experience Pack 1000.19041.1000.0

Configurações relacionadas

Configurações de BitLocker

Gerenciador de Dispositivos

Área de trabalho remota

Proteção do sistema

Configurações avançadas do sistema

Renomear este computador

[Obtenha ajuda](#) [Enviar comentários](#)

Ativar o Windows

Acesse Configurações para ativar o Windows.

Propriedades do Sistema

Nome do Computador Hardware Avançado Proteção do Sistema Remoto

Para tirar o máximo proveito destas alterações, é preciso ter feito logon como administrador.

Desempenho Efeitos visuais, agendamento de processador, uso de memória e memória virtual Configurações...

Perfis de Usuário Configurações da área de trabalho relativas à entrada Configurações...

Inicialização e Recuperação Informações sobre inicialização do sistema, falha do sistema e depuração Configurações...

Variáveis de Ambiente...

OK Cancelar Aplicar

Caneta e toque Copiar Renomear este item

Armazenamento Multitarefas Projeção para este computador Experiências compartilhadas Área de Transferência Área de Trabalho Remota

Variáveis de Ambiente

Variáveis de usuário para Massan

Variável	Valor
OneDrive	C:\Users\Massan\OneDrive
OneDriveConsumer	C:\Users\Massan\OneDrive
Path	C:\Users\Massan\AppData\Local\Microsoft\WindowsApps;C:\...
TEMP	C:\Users\Massan\AppData\Local\Temp
TMP	C:\Users\Massan\AppData\Local\Temp

Novo... Editar... Excluir

Variáveis do sistema

Variável	Valor
ComSpec	C:\WINDOWS\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\DriverData
IGCCSVC_DB	AQAAANCMnd8BFdERjHoAwE/Cl+sBAAAAV3fzzPHhZkuZiQn...
NUMBER_OF_PROCESSORS	16
OS	Windows_NT
Path	C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System3... .COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC
PATHEXT	

Novo... Editar... Excluir

OK Cancelar

Editar a variável de ambiente

%USERPROFILE%\AppData\Local\Microsoft\WindowsApps
C:\Users\Massan\AppData\Local\GitHubDesktop\bin

Novo Editar Procurar... Excluir Mover para Cima Mover para baixo Editar texto...

Especificações do Windows

Edição	Windows 10 Pro
Versão	22H2
Instalado em	01/08/2023
Compilação do SO	19045.3208
Experiência	Windows Feature Experience Pack 1000_10041_1000_0

Ativar o Windows Acesse Configurações para ativar o Windows.

33

34

Variáveis de Ambiente

Variáveis de usuário para Massan

Variável	Valor
OneDrive	C:\Users\Massan\OneDrive
OneDriveConsumer	C:\Users\Massan\OneDrive
Path	C:\Users\Massan\AppData\Local\Microsoft\WindowsApps;C:\...
TEMP	C:\Users\Massan\AppData\Local\Temp
TMP	C:\Users\Massan\AppData\Local\Temp

Variáveis do sistema

Variável	Valor
ComSpec	C:\WINDOWS\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\DriverData
IGCCSVC_DB	AQAAANCMnd8BFdERjHoAwE/Ci+sBAAAVfzzPHhZkuZiQn...
NUMBER_OF_PROCESSORS	16
OS	Windows_NT
Path	C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System3...
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.MSC

Especificações do Windows

Edição	Windows 10 Pro
Versão	22H2
Instalado em	01/08/2023
Compilação do SO	19045.3208
Experiência	Windows Feature Experience Pack 1000_10041_1000_0

Fernando Lucas de Castro FL Gravar Compartilhamento Preenchimento da Forma Localizar Novo Editar Procurar Excluir Mover para Cima Mover para baixo Editar texto... OK Cancelar

Anotações

Ativar o Windows Ativar o Windows Adesce Configurações para ativar o Windows.



Lixeira



Google
Chrome

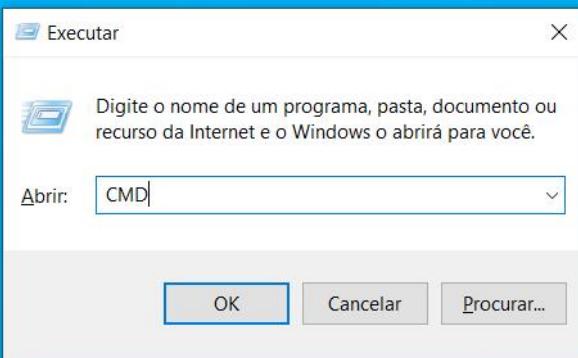


GitHub
Desktop



VLC media
player

C:\Users\Massan>flutter



Ativar o Windows

Acesse Configurações para ativar o Windows.



Lixeira



Google
Chrome

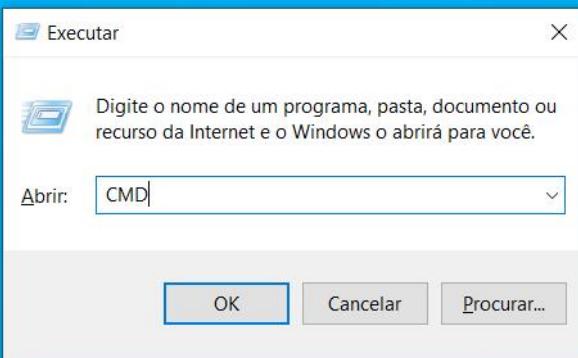


GitHub
Desktop



VLC media
player

C:\Users\Massan>flutter



Ativar o Windows

Acesse Configurações para ativar o Windows.

The Flutter CLI developer tool uses Google Analytics to report usage and diagnostic data along with package dependencies, and crash reporting to send basic crash reports. This data is used to help improve the Dart platform, Flutter framework, and related tools.

Telemetry is not sent on the very first run.

To disable reporting of telemetry, run this terminal command:

```
flutter --disable-telemetry.
```

If you opt out of telemetry, an opt-out event will be sent, and then no further information will be sent.

This data is collected in accordance with the Google Privacy Policy (<https://policies.google.com/privacy>).

You have received two consent messages because the flutter tool is migrating to a new analytics system. Disabling analytics collection will disable both the legacy and new analytics collection systems. You can disable analytics reporting by running `flutter --disable-telemetry`

```
C:\Users\Macã-HOME>flutter doctor
```

Esse comando serve para nos mostrar quais ferramentas estão faltando.

This data is collected in accordance with the Google Privacy Policy (<https://policies.google.com/privacy>).

You have received two consent messages because the flutter tool is migrating to a new analytics system. Disabling analytics collection will disable both the legacy and new analytics collection systems. You can disable analytics reporting by running `flutter --disable-telemetry`

C:\Users\Maçã-HOME>flutter doctor

Doctor summary (to see all details, run flutter doctor -v):

[✓] Flutter (Channel stable, 3.10.6, on Microsoft Windows [versão 10.0.19045.3208], locale pt-BR)

[✓] Windows Version (Installed version of Windows is version 10 or higher)

[✗] Android toolchain - develop for Android devices

X Unable to locate Android SDK.

Install Android Studio from: <https://developer.android.com/studio/index.html>

On first launch it will assist you in installing the Android SDK components.

(or visit <https://flutter.dev/docs/get-started/install/windows#android-setup> for detailed instructions).

If the Android SDK has been installed to a custom location, please use

`flutter config --android-sdk` to update to that location.

[✓] Chrome - develop for the web

[!] Visual Studio - develop for Windows (Visual Studio Community 2022 17.6.4)

X Visual Studio is missing necessary components. Please re-run the Visual Studio installer for the "Desktop development with C++" workload.

MSVC v142 - VS 2019 C++ x64/x86 build tools

- If there are multiple build tool versions available, install the latest

C++ CMake tools for Windows

Windows 10 SDK

[!] Android Studio (not installed)

[✓] VS Code (version 1.80.1)

[✓] Connected device (3 available)

[✓] Network resources

[✓] Chrome - develop for the web



ANDROID STUDIO



Tutorial

Vídeos

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77

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Online

APK

Imagens

Requisitos

Todos os filtros

Ferramentas

Aproximadamente 1.820.000.000 resultados (0,25 segundos)



android.com

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Download Android Studio & App Tools - Android Developers

Android Studio provides app builders with an integrated development environment (IDE) optimized for Android apps. Download [Android Studio](#) today.

Instalar

Configure e instale o Android Studio no Windows, macOS ou ...

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O Android Studio é o ambiente de desenvolvimento integrado (IDE) ...

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Android Emulator

O Android Emulator permite testar virtualmente o app em vários ...

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Desenvolvedores Android | Android Developers

Site oficial para desenvolvedores de apps para **Android**. Fornece Ferramentas do SDK do **Android** e a documentação da API.

<https://developer.android.com/studio> · Traduzir esta página



Create your first Android app | Get started - Android Developers

In this codelab, you create your first Android app with a project template provided by **Android Studio**. You use Kotlin and Jetpack Compose to customize your app.

As pessoas também perguntam :

Android Studio



Software

Android Studio é um ambiente de desenvolvimento integrado para desenvolver para a plataforma Android. Foi anunciado em 16 de maio de 2013 na conferência Google I/O. Android Studio é disponibilizado gratuitamente sob a Licença Apache 2.0. [Wikipédia](#)

Linguagens de programação: Java, Kotlin, JavaScript, C++

Escrito em: Java, Kotlin e C++

Lançamento: maio de 2013 (10 anos)

Licença: Apache 2.0

Página oficial: developer.android.com/studio

Versão estável: Flamingo (1 de maio de 2023; há 2 meses)

Itens também pesquisados

[Ver mais 10](#)



Flutter



Android



Visual Studio Code



Java Development Kit

Feedback

ANDROID STUDIO

Fazer o download

Editor do Android Studio

Plug-in do Android para Gradle

Ferramentas do SDK

Prévia

 Filtrar

Novidades do Android Studio ▾

Começar a usar o Android Studio

Visão geral

Instalar o Android Studio

▶ Conhecer a interface

Conceitos básicos de fluxo de trabalho

Gerenciar seu projeto ▾

Programar o código ▾

Executar e depurar o app ▾

Testar o código ▾

Inspecionar problemas de desempenho ▾

Publicar o app ▾

Resolver problemas

Desenvolvedores Android > Documentos > Android Studio > Editor do Android Studio

Isso foi útil?  

Instalar o Android Studio

Configure o Android Studio com apenas alguns cliques. Primeiro, verifique os requisitos do sistema. Depois, [faça o download da versão mais recente do Android Studio.](#)

Windows

 **Observação:** no momento, não há suporte para computadores Windows com CPUs baseadas em ARM.

Requisitos do sistema para Windows:

Requisito	Mínimo	Recomendado
SO	Microsoft Windows 8 de 64 bits	Versão de 64 bits mais recente do Windows
RAM	8 GB de RAM	16 GB de RAM ou mais
CPU	Arquitetura de CPU x86_64, Intel Core de segunda geração ou mais recente ou CPU AMD com suporte ao Hypervisor Framework do Windows	Processador Intel Core mais recente
	8 GB (ambiente de desenvolvimento integrado, Android Emulator e SDK do	Unidade de estado sólido (SSD)

Download Android Studio & App x +

developer.android.com/studio

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ANDROID STUDIO

Download  Android Studio editor  Android Gradle Plugin  SDK tools  Preview

Android Studio

Get the official Integrated Development Environment (IDE) for Android app development.

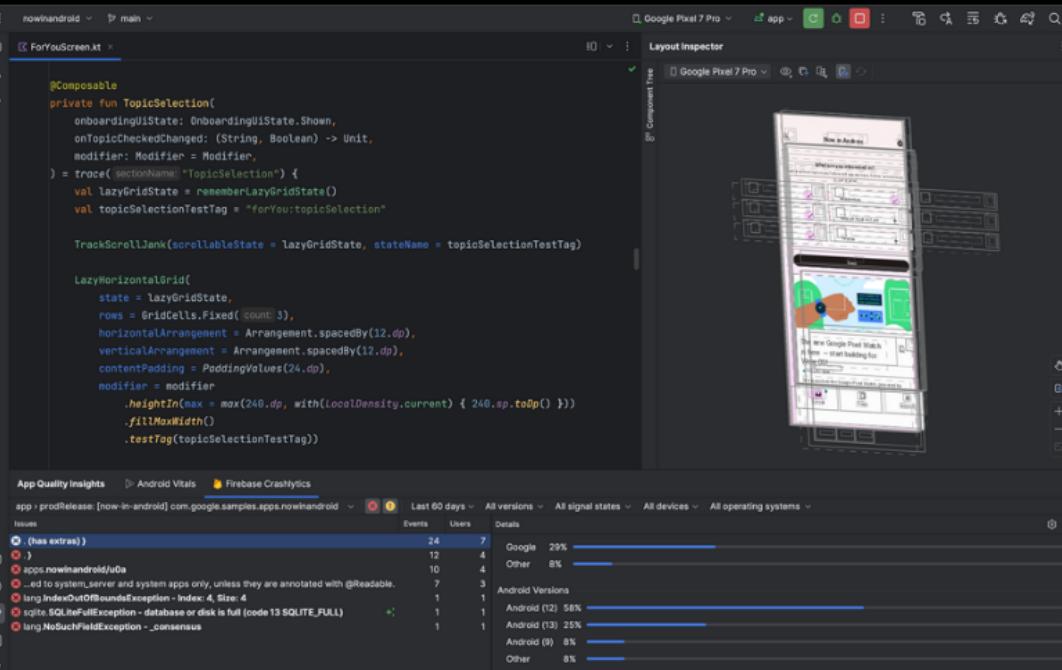
Download Android Studio Giraffe 

Read release notes 

New features

FEATURE

Themed app icon preview



The screenshot shows the Android Studio interface. On the left, there's a code editor with Kotlin code for a Composable function named `ForYouScreen.kt`. The code handles topic selection and lazy grid state. On the right, the `Layout Inspector` and `Device Preview` panels are visible, showing a smartphone screen with a grid of cards and a navigation bar.

```
nowinandroid com.google.samples.apps.nowinandroid
```

```
@Composable
```

```
private fun TopicSelection(
```

```
    onboardingUiState: OnboardingUiState.Shown,
```

```
    onTopicCheckedChanged: (String, Boolean) -> Unit,
```

```
    modifier: Modifier = Modifier,
```

```
) = trace(sectionName = "TopicSelection") {
```

```
    val lazyGridState = rememberLazyGridState()
```

```
    val topicSelectionTestTag = "ForYou:topicSelection"
```

```
    TrackScrollJank(scrollableState = lazyGridState, stateName = topicSelectionTestTag)
```

```
    LazyHorizontalGrid(
```

```
        state = lazyGridState,
```

```
        rows = GridCells.Fixed(count = 3),
```

```
        horizontalArrangement = Arrangement.spacedBy(12.dp),
```

```
        verticalArrangement = Arrangement.spacedBy(12.dp),
```

```
        contentPadding = PaddingValues(24.dp),
```

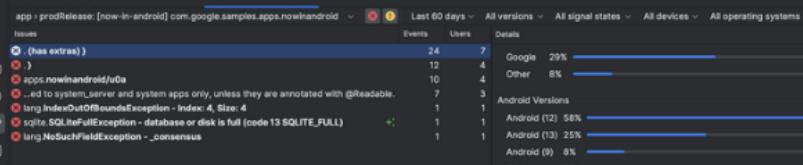
```
        modifier = modifier
```

```
            .heightIn(max = max(240.dp, with(localDensity.current) { 240.sp.toDp() }))
```

```
            .fillMaxWidth()
```

```
            .testTag(topicSelectionTestTag))
```

App Quality Insights



BY USE OF THE SDK AND ANY MATERIAL DOWNLOADED OR OTHERWISE OBTAINED THROUGH THE USE OF THE SDK IS AT YOUR OWN DISCRETION AND RISK AND YOU ARE SOLELY RESPONSIBLE FOR ANY DAMAGE TO YOUR COMPUTER SYSTEM OR OTHER DEVICE OR LOSS OF DATA THAT RESULTS FROM SUCH USE. 10.3 GOOGLE FURTHER EXPRESSLY DISCLAIMS ALL WARRANTIES AND CONDITIONS OF ANY KIND, WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.

11. LIMITATION OF LIABILITY

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12. Indemnification

12.1 To the maximum extent permitted by law, you agree to defend, indemnify and hold harmless Google, its affiliates and their respective directors, officers, employees and agents from and against any and all claims, actions, suits or proceedings, as well as any and all losses, liabilities, damages, costs and expenses (including reasonable attorneys fees) arising out of or accruing from (a) your use of the SDK, (b) any application you develop on the SDK that infringes any copyright, trademark, trade secret, trade dress, patent or other intellectual property right of any person or defames any person or violates their rights of publicity or privacy, and (c) any non-compliance by you with the License Agreement.

13. Changes to the License Agreement

13.1 Google may make changes to the License Agreement as it distributes new versions of the SDK. When these changes are made, Google will make a new version of the License Agreement available on the website where the SDK is made available.

14. General Legal Terms

14.1 The License Agreement constitutes the whole legal agreement between you and Google and governs your use of the SDK (excluding any services which Google may provide to you under a separate written agreement), and completely replaces any prior agreements between you and Google in relation to the SDK. 14.2 You agree that if Google does not exercise or enforce any legal right or remedy which is contained in the License Agreement (or which Google has the benefit of under any applicable law), this will not be taken to be a formal waiver of Google's rights and that those rights or remedies will still be available to Google. 14.3 If any court of law, having the jurisdiction to decide on this matter, rules that any provision of the License Agreement is invalid, then that provision will be removed from the License Agreement without affecting the rest of the License Agreement. The remaining provisions of the License Agreement will continue to be valid and enforceable. 14.4 You acknowledge and agree that each member of the group of companies of which Google is the parent shall be third party beneficiaries to the License Agreement and that such other companies shall be entitled to directly enforce, and rely upon, any provision of the License Agreement that confers a benefit on (or rights in favor of) them. Other than this, no other person or company shall be third party beneficiaries to the License Agreement. 14.5 EXPORT RESTRICTIONS. THE SDK IS SUBJECT TO UNITED STATES EXPORT LAWS AND REGULATIONS. YOU MUST COMPLY WITH ALL DOMESTIC AND INTERNATIONAL EXPORT LAWS AND REGULATIONS THAT APPLY TO THE SDK. THESE LAWS INCLUDE RESTRICTIONS ON DESTINATIONS, END USERS AND END USE. 14.6 The rights granted in the License Agreement may not be assigned or transferred by either you or Google without the prior written approval of the other party. Neither you nor Google shall be permitted to delegate their responsibilities or obligations under the License Agreement without the prior written approval of the other party. 14.7 The License Agreement, and your relationship with Google under the License Agreement, shall be governed by the laws of the State of California without regard to its conflict of laws provisions. You and Google agree to submit to the exclusive jurisdiction of the courts located within the county of Santa Clara, California to resolve any legal matter arising from the License Agreement. Notwithstanding this, you agree that Google shall still be allowed to apply for injunctive remedies (or an equivalent type of urgent legal relief) in any jurisdiction. July 27, 2021

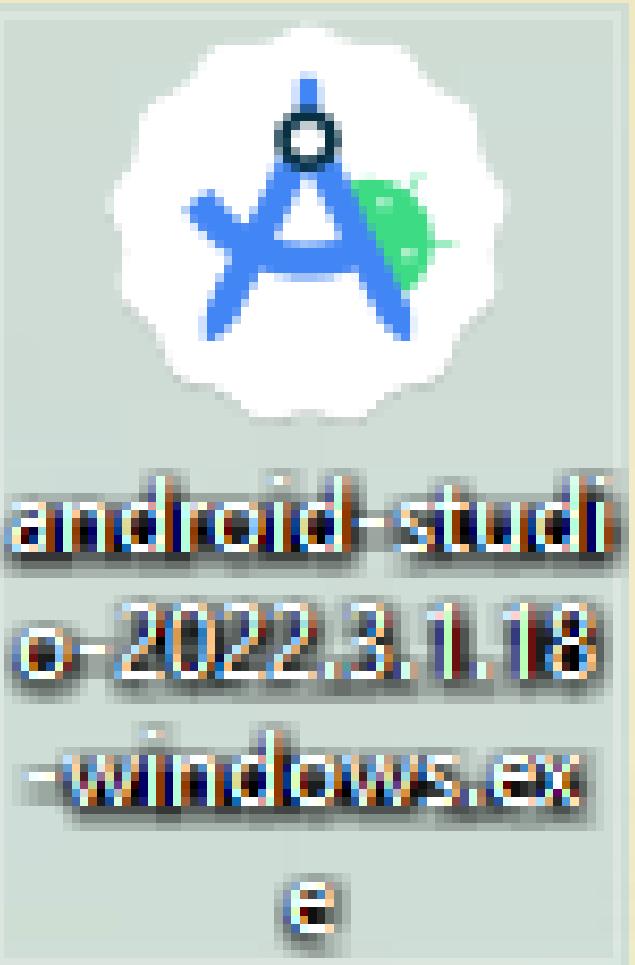


have read and agree with the above terms and conditions

Download Android Studio Giraffe | 2022.3.1 for Windows

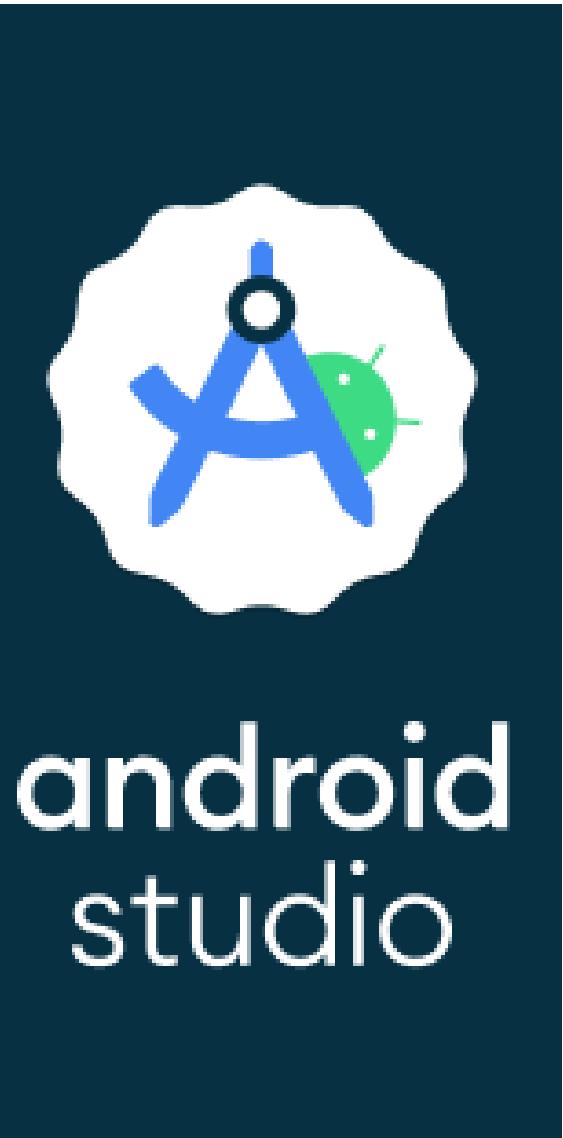
android-studio-2022.3.1.18-windows.exe

Ativar o Windows
Acesse Configurações para ativar o Windows.



Flutter

- Prof. Fernando Lucas



Welcome to Android Studio Setup

Setup will guide you through the installation of Android Studio.

It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.

Click Next to continue.



< Back

Next >

Cancel



Choose Components

Choose which features of Android Studio you want to install.

https://f

Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.

Select components to install:

- [Android Studio](#)
- [Android Virtual Device](#)



Description

Position your mouse over a component to see its description.

Space required: 3.4GB



< Back

Next >

Cancel



Configuration Settings

Install Locations

Android Studio Installation Location

The location specified must have at least 500MB of free space.

Click Browse to customize:

Browse..< BackNext >Cancel



Choose Start Menu Folder

Choose a Start Menu folder for the Android Studio shortcuts.

Select the Start Menu folder in which you would like to create the program's shortcuts. You can also enter a name to create a new folder.

Android Studio

- Accessibility
- Accessories
- Administrative Tools
- Amazon Games
- apps do Chrome
- ASIO4ALL v2
- ASTER Control
- Battle.net
- Blackmagic Design
- CPUID
- Discord Inc

Do not create shortcuts

< Back

Install

Cancel



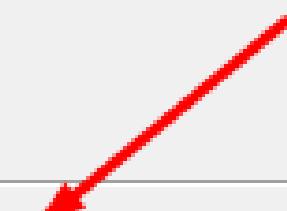


Installation Complete

Setup was completed successfully.

Completed

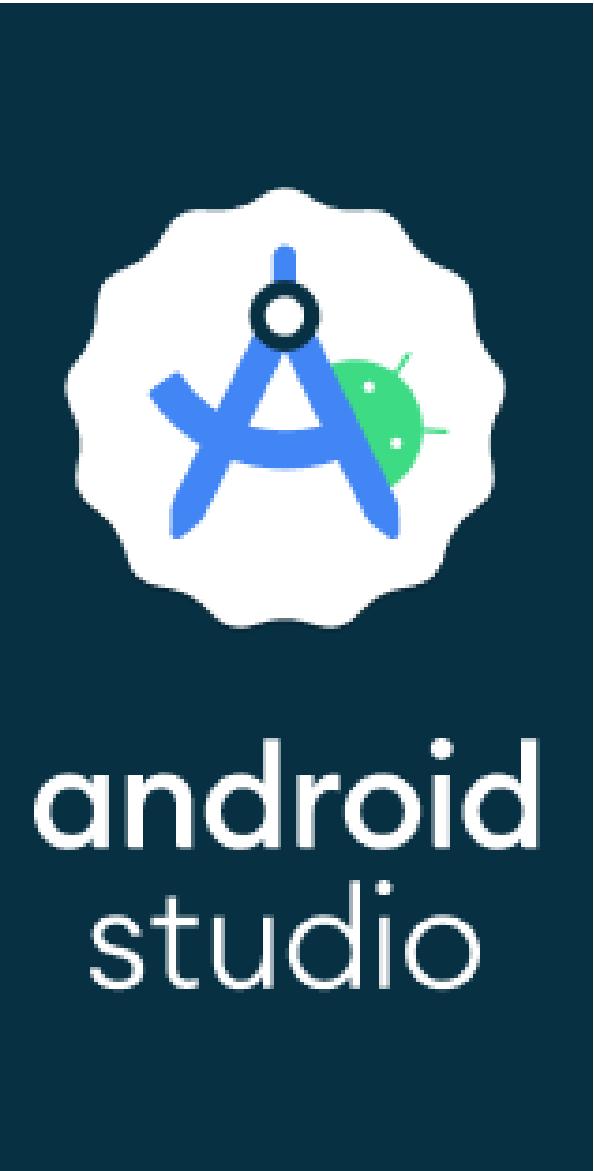
Show details



< Back

Next >

Cancel

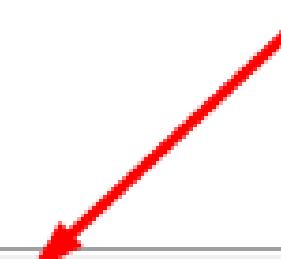


Completing Android Studio Setup

Android Studio has been installed on your computer.

Click **Finish** to close Setup.

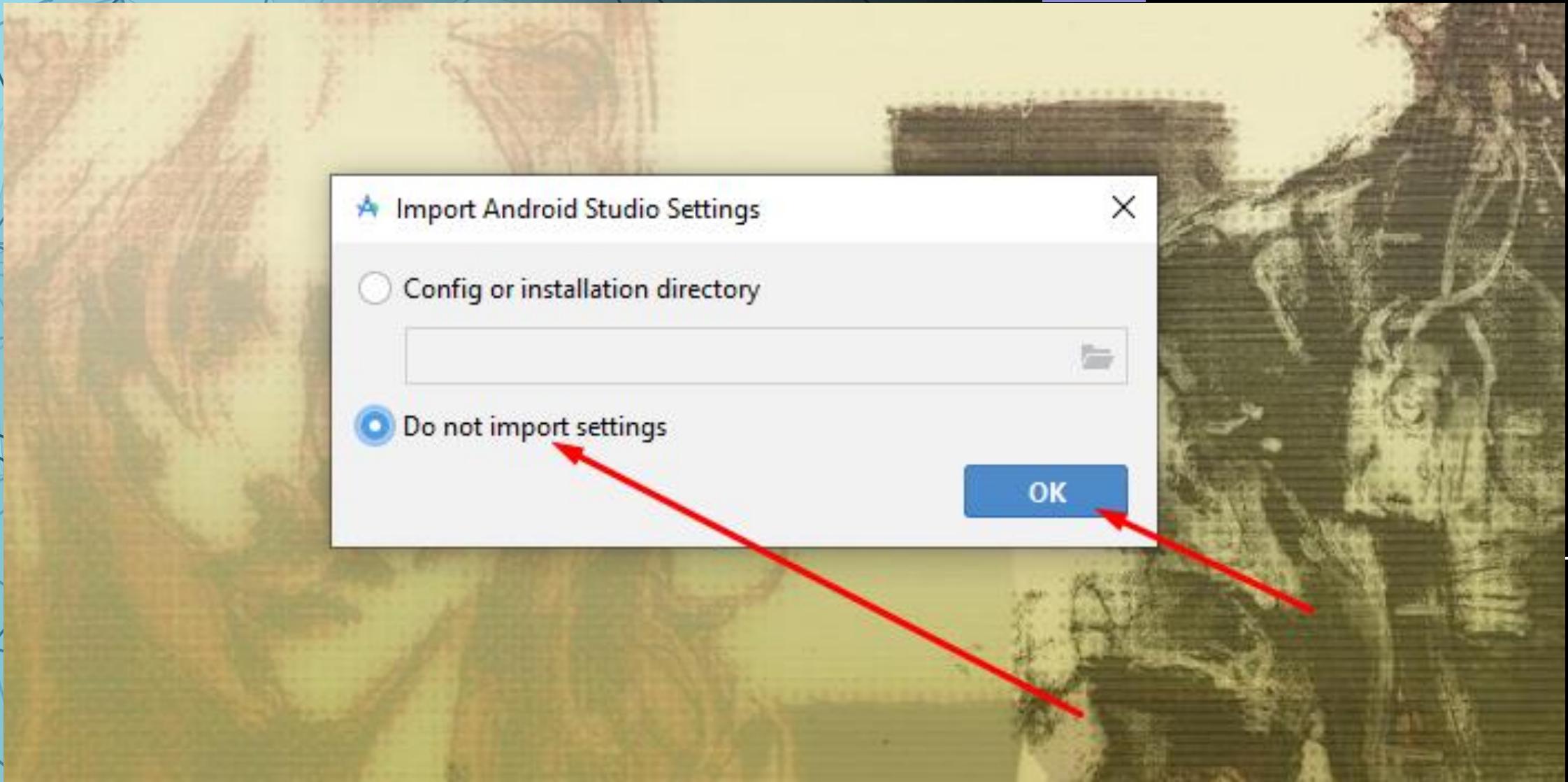
Start Android Studio

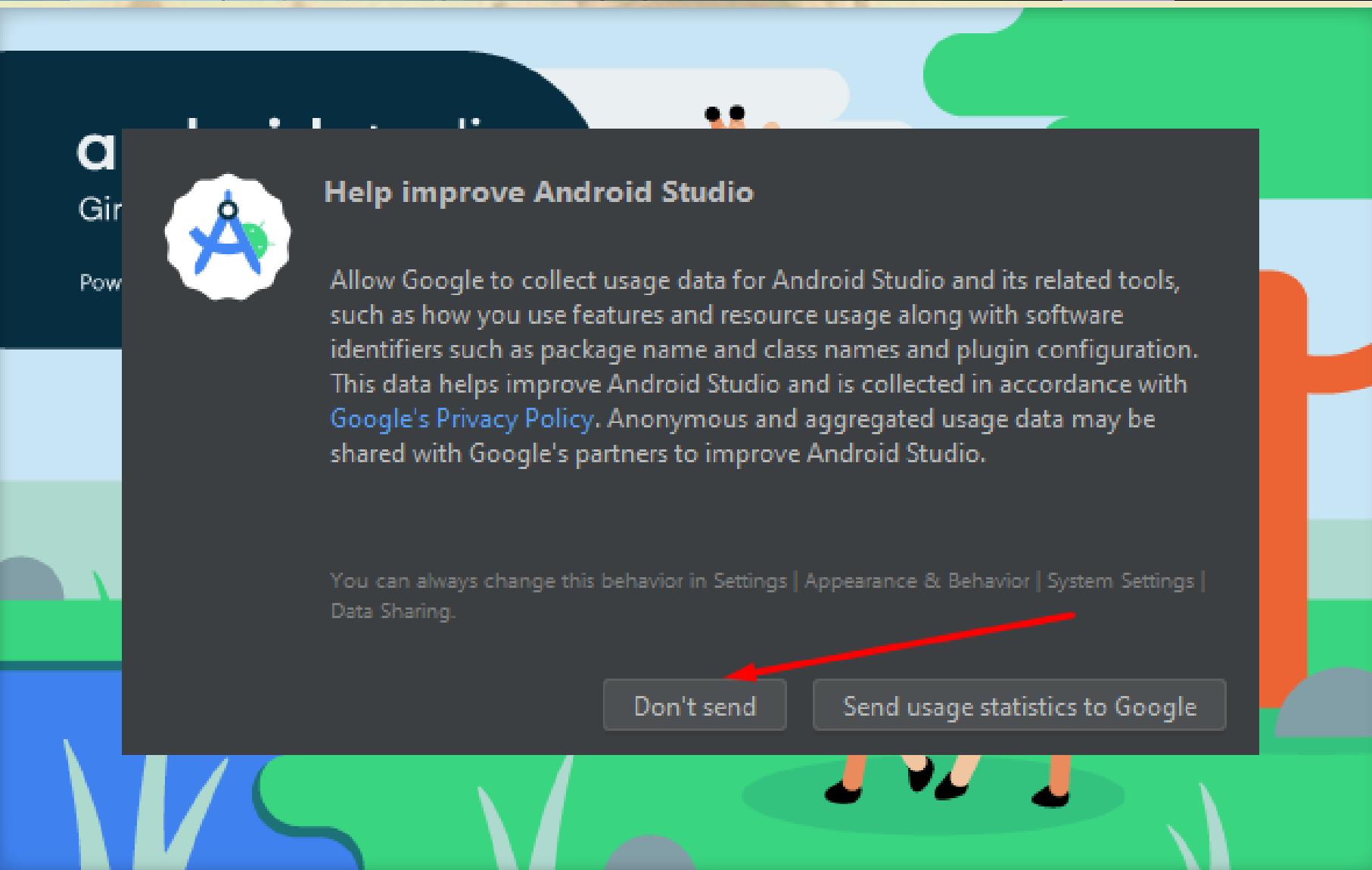


< Back

Finish

Cancel





Lucas



Welcome

Android Studio

Welcome! This wizard will set up your development environment for Android Studio.
Additionally, the wizard will help port existing Android apps into Android Studio
or create a new Android application project.



Prev...

Next

Cancel

Finish



Install Type

Choose the type of setup you want for Android Studio:

Standard

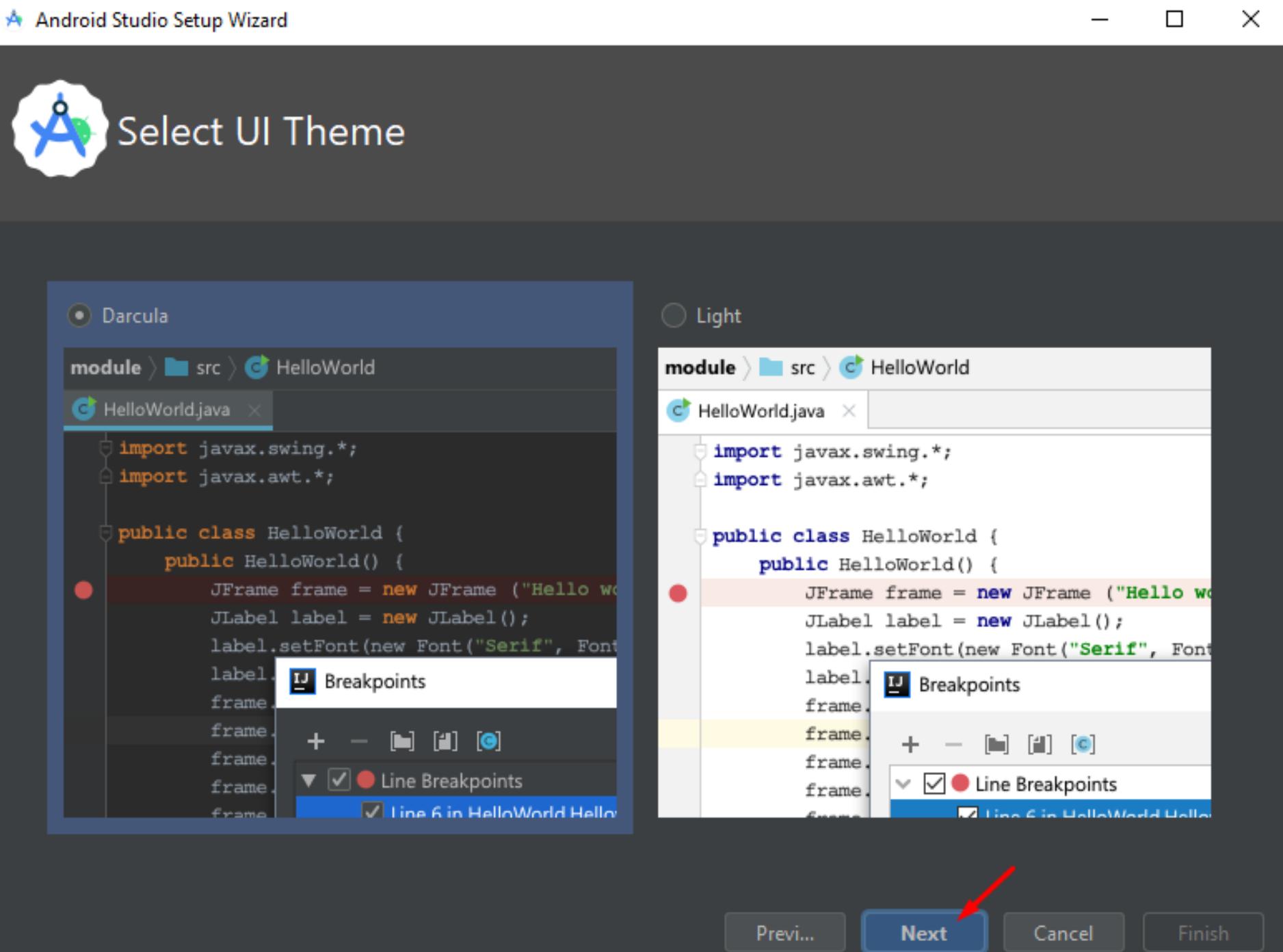
Android Studio will be installed with the most common settings and options.

Recommended for most users.

Custom

You can customize installation settings and components installed.

Next





SDK Components Setup

Check the components you want to update/install. Click Next to continue.

Android SDK – (379 MB)

Android SDK Platform

Android API 34 – (116 MB)

Performance (Android Emulator hypervisor driver) – (165 KB)

Android Virtual Device – (1,44 GB)

The collection of Android platform APIs, tools and utilities
that enables you to debug, profile, and compile your apps.
The setup wizard will update your current Android SDK
installation (if necessary) or install a new version.

Android SDK Location:

C:\android

Total download size: 1,92 GB

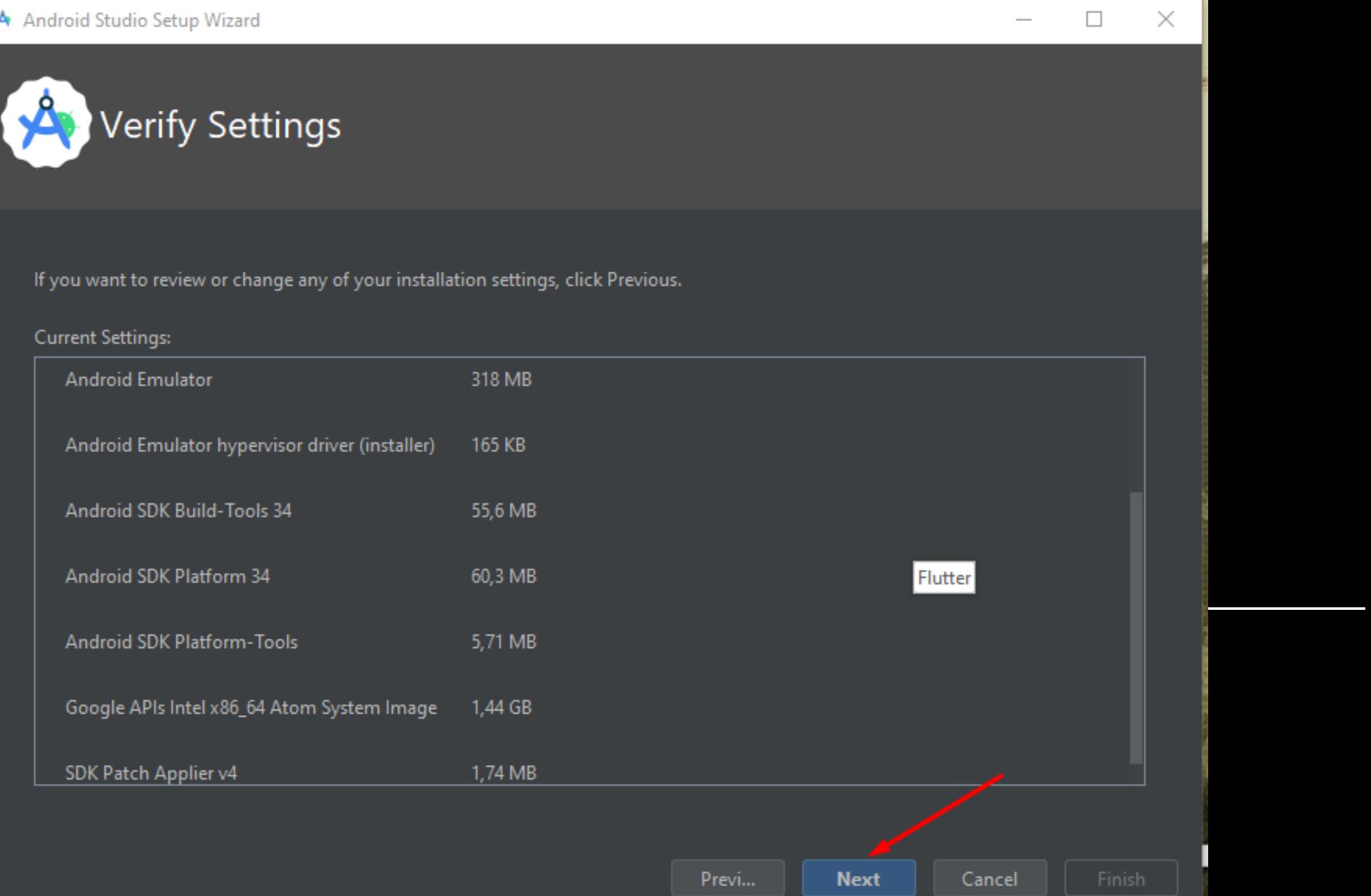
Available disk space: 58,7 GB (drive)

Prev...

Next

Cancel

Finish





License Agreement

Read and agree to the licenses for the components which will be installed

Licenses

> android-sdk-license

> android-sdk-preview-license

Terms and Conditions

This is the Android Software Development Kit License Agreement

1. Introduction

1.1 The Android Software Development Kit (referred to in the License Agreement as the "SDK" and specifically including the Android system files, packaged APIs, and Google APIs add-ons) is licensed to you subject to the terms of the License Agreement. The License Agreement forms a legally binding contract between you and Google in relation to your use of the SDK.

1.2 "Android" means the Android software stack for devices, as made available under the Android Open Source Project, which is located at the following URL: <http://source.android.com/>, as updated from time to time.

1.3 A "compatible implementation" means any Android device that (i) complies with the Android Compatibility Definition document, which can be found at the Android compatibility website (<http://source.android.com/compatibility>) and which may be updated from time to time; and (ii) successfully passes the Android Compatibility Test Suite (CTS).

1.4 "Google" means Google Inc., a Delaware corporation with principal place of business at

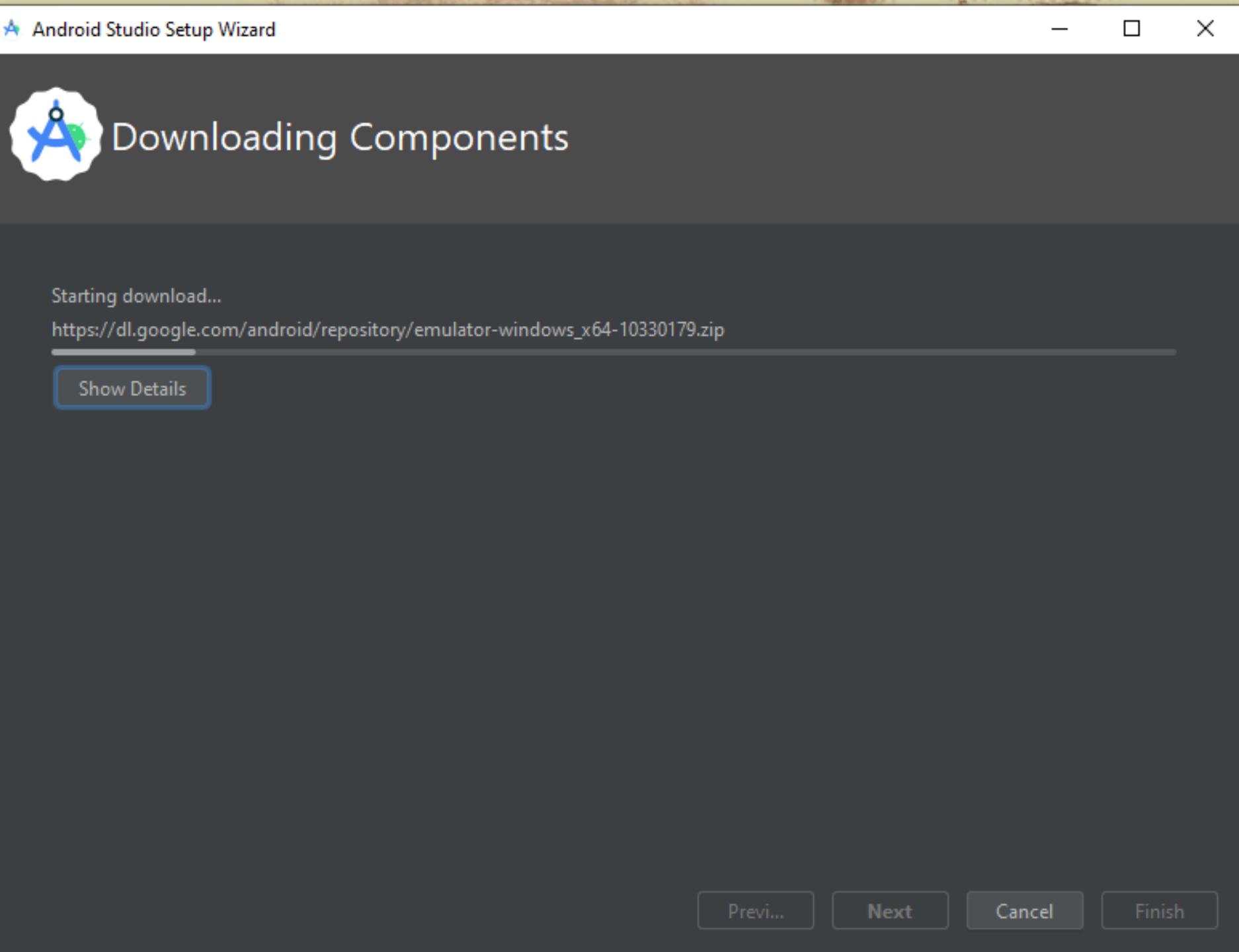
Decline Accept

Prev...

Next

Cancel

Finish





Downloading Components

Parsing C:\android\system-images\android-34\google_apis\x86_64\package.xml

Android SDK is up to date.

Running Android Emulator hypervisor driver installer

NOME_DO_SERVI O: gvm

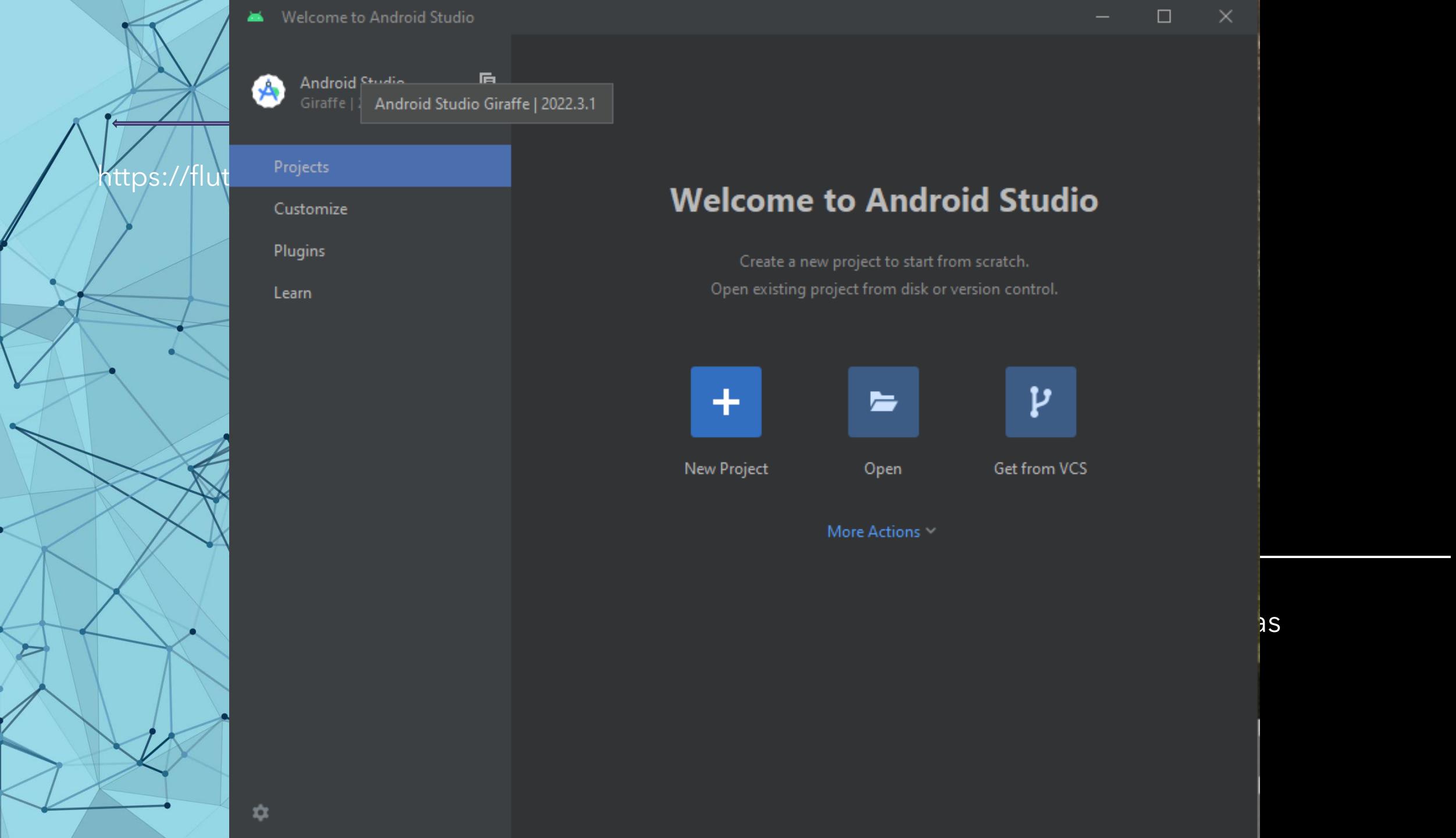
TIPO	:	1 KERNEL_DRIVER
ESTADO	:	4 RUNNING (STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN)
C�DIGO_DE_SA�DA_DO_WIN32	:	0 (0x0)
C�DIGO_DE_SA�DA_DO_SERVI�O	:	0 (0x0)
PONTO_DE_VERIFICA�O	:	0x0
AGUARDAR_DICA	:	0x0
PID	:	0
SINALIZADORES	:	

Prev...

Next

Cancel

Finish





Agora que já instalamos o
Android Studio vamos voltar
para o CMD.

The Flutter CLI developer tool uses Google Analytics to report usage and diagnostic data along with package dependencies, and crash reporting to send basic crash reports. This data is used to help improve the Dart platform, Flutter framework, and related tools.

Telemetry is not sent on the very first run.

To disable reporting of telemetry, run this terminal command:

```
flutter --disable-telemetry.
```

If you opt out of telemetry, an opt-out event will be sent, and then no further information will be sent.

This data is collected in accordance with the Google Privacy Policy (<https://policies.google.com/privacy>).

You have received two consent messages because the flutter tool is migrating to a new analytics system. Disabling analytics collection will disable both the legacy and new analytics collection systems. You can disable analytics reporting by running `flutter --disable-telemetry`

```
C:\Users\Macã-HOME>flutter doctor
```

Esse comando serve para nos mostrar quais ferramentas estão faltando.

(c) Microsoft Corporation. Todos os direitos reservados.

C:\Users\Maçã-HOME>flutter doctor

Doctor summary (to see all details, run flutter doctor -v):

[V] Flutter (Channel stable, 3.10.6, on Microsoft Windows [versão 10.0.19045.3208], locale pt-BR)

[V] Windows Version (Installed version of Windows is version 10 or higher)

[X] Android toolchain - develop for Android devices

X Unable to locate Android SDK.

Install Android Studio from: <https://developer.android.com/studio/index.html>

On first launch it will assist you in installing the Android SDK components.

(or visit <https://flutter.dev/docs/get-started/install/windows#android-setup> for detailed instructions).

If the Android SDK has been installed to a custom location, please use

`flutter config --android-sdk` to update to that location.

[V] Chrome - develop for the web

[!] Visual Studio - develop for Windows (Visual Studio Community 2022 17.6.4)

X Visual Studio is missing necessary components. Please re-run the Visual Studio installer for the "Desktop development with C++" workload, and include these components:

MSVC v142 - VS 2019 C++ x64/x86 build tools

- If there are multiple build tool versions available, install the latest

C++ CMake tools for Windows

Windows 10 SDK

[V] Android Studio (version 2022.3)

[V] VS Code (version 1.80.1)

[V] Connected device (3 available)

[V] Network resources

! Doctor found issues in 2 categories.

C:\Users\Maçã-HOME>

C:\ Seleccionar C:\Windows\system32\cmd.exe - flutter doctor
(c) Microsoft Corporation. Todos os direitos reservados.

C:\Users\Maçã-HOME>flutter doctor

Doctor summary (to see all details, run flutter doctor -v):

[✓] Flutter (Channel stable, 3.10.6, on Microsoft Windows [versão 10.0.19045.3208], locale pt-BR)

[✓] Windows Version (Installed version of Windows is version 10 or higher)

[✗] Android toolchain - develop for Android devices

✗ Unable to locate Android SDK.
Install Android Studio from: <https://developer.android.com/studio/index.html>
On first launch it will assist you in installing the Android SDK components.
(or visit <https://flutter.dev/docs/get-started/install/windows#android-setup> for detailed instructions).
If the Android SDK has been installed to a custom location, please use
`flutter config --android-sdk` to update to that location.

[✓] Chrome - develop for the web

[!] Visual Studio - develop for Windows (Visual Studio Community 2022 17.6.4)
✗ Visual Studio is missing necessary components. Please re-run the Visual Studio installer for the "Desktop development with C++" workload, and include these components:
 MSVC v142 - VS 2019 C++ x64/x86 build tools
 - If there are multiple build tool versions available, install the latest
 C++ CMake tools for Windows
 Windows 10 SDK

[✓] Android Studio (version 2022.3)

[✓] VS Code (version 1.80.1)

[✓] Connected device (3 available)

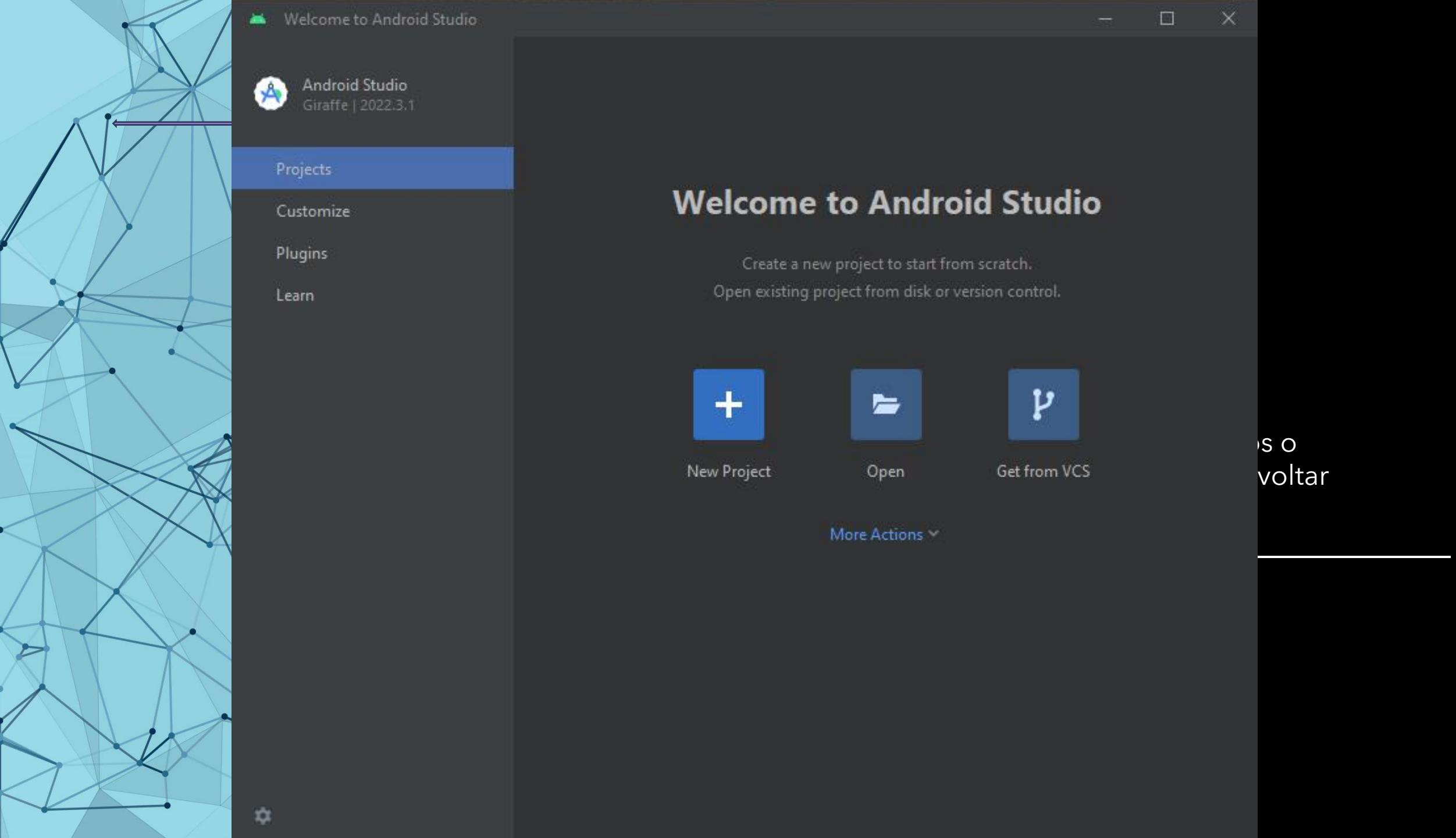
[✓] Network resources

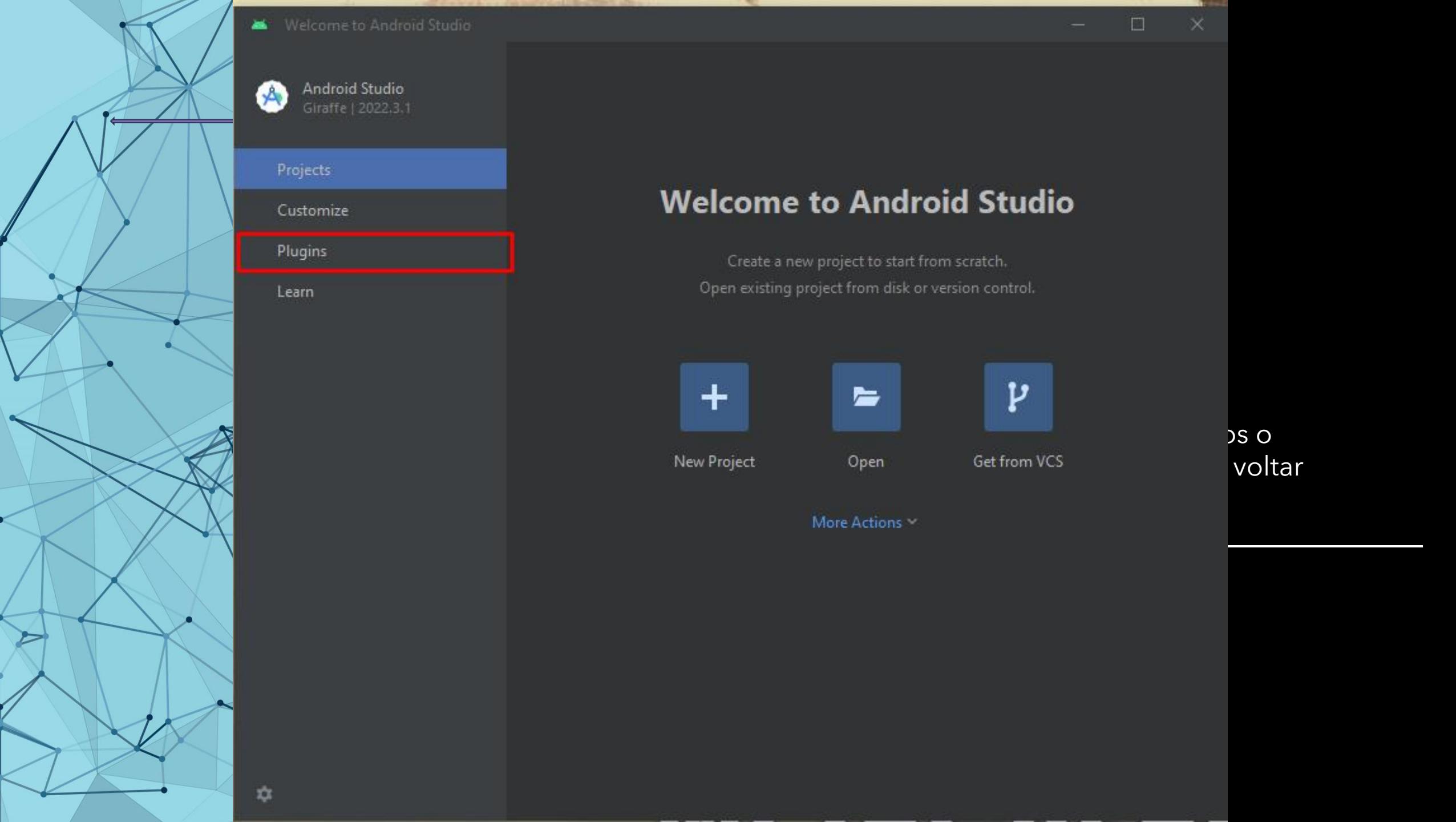
! Doctor found issues in 2 categories.

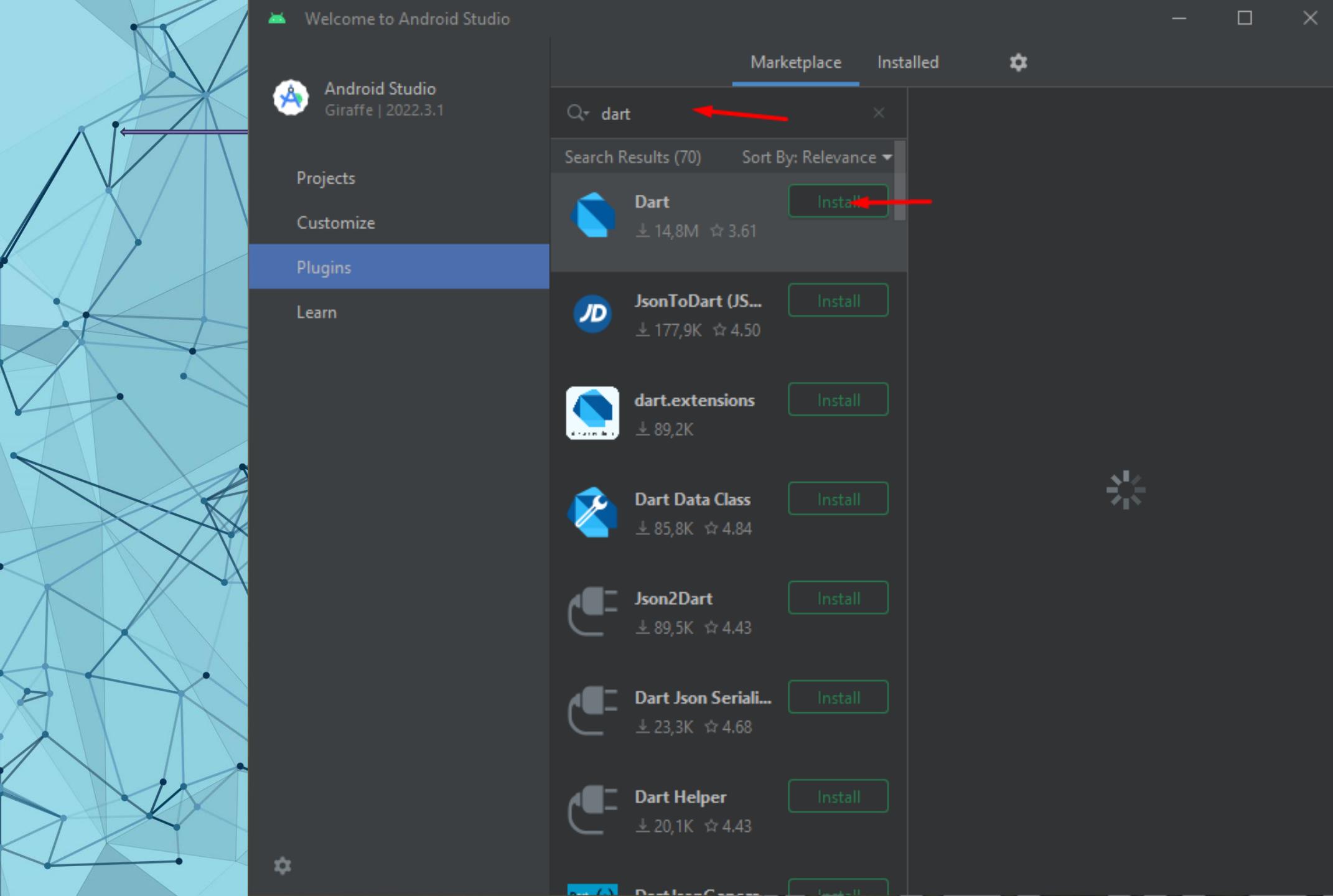
C:\Users\Maçã-HOME>flutter doctor --android-licenses

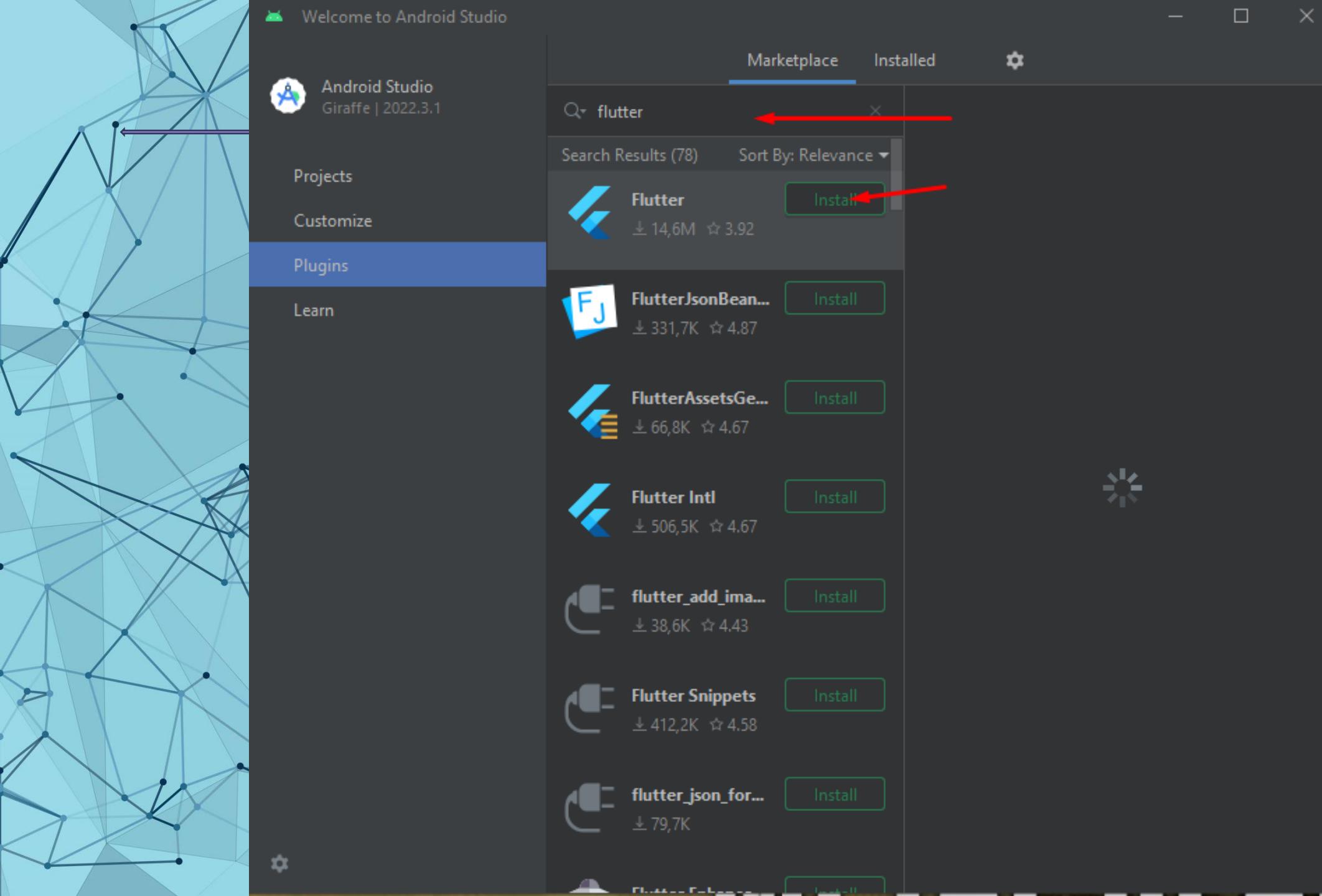


Vamos voltar até o android
Studio e instalar alguns pugins.

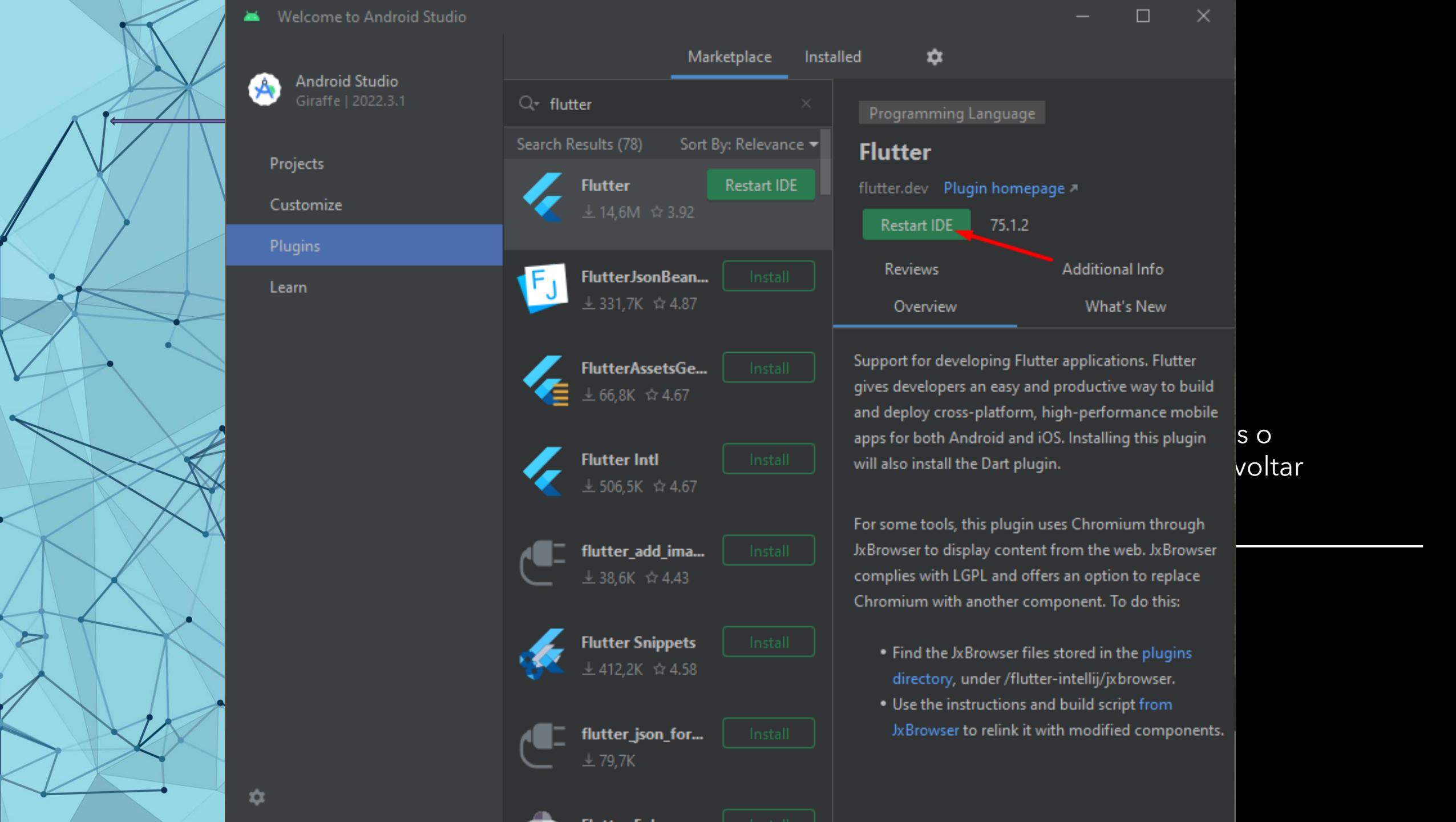








OS O
voltar





Android Studio
Giraffe | 2022.3.1

Projects

Customize

Plugins

Learn

Welcome to Android Studio

Create a new project to start from scratch.

Open existing project from disk or version control.



New Flutter Project



New Project



Open

More Actions ▾

