

Etapas de inicialização do React Native

1. Para configurar o ambiente será necessário realizar a instalação dos seguintes itens(<https://reactnative.dev/docs/environment-setup>):
 - 1.1. Chocolatey
 - 1.2. Node.js
 - 1.3. Yarn
 - 1.4. Python
 - 1.5. JDK
 - 1.6. Android Studio e dependências
2. Não existe uma IDE específica para trabalhar com React Native, utilizaremos Visual Studio Code, documentação para configuração no link <https://www.youtube.com/watch?v=c7P03kkrEG8>
3. Criando um novo projeto com o comando:

```
npm install -g react-native-cli  
npx react-native init helloworld
```

4. Acessar a pasta com algum editor e alterar o arquivo App.js para o seguinte código:

```
import React from 'react';  
import { Text, View } from 'react-native';  
  
function HelloWorldApp() {  
  return (  
    <View  
      style={{  
        flex: 1,  
        justifyContent: "center",  
        alignItems: "center"  
      }}>  
      <Text>Hello, world!</Text>  
    </View>  
  )  
}  
export default HelloWorldApp;
```

5. Para executar a emulação basta acessar a pasta helloworld e executar o comando abaixo:

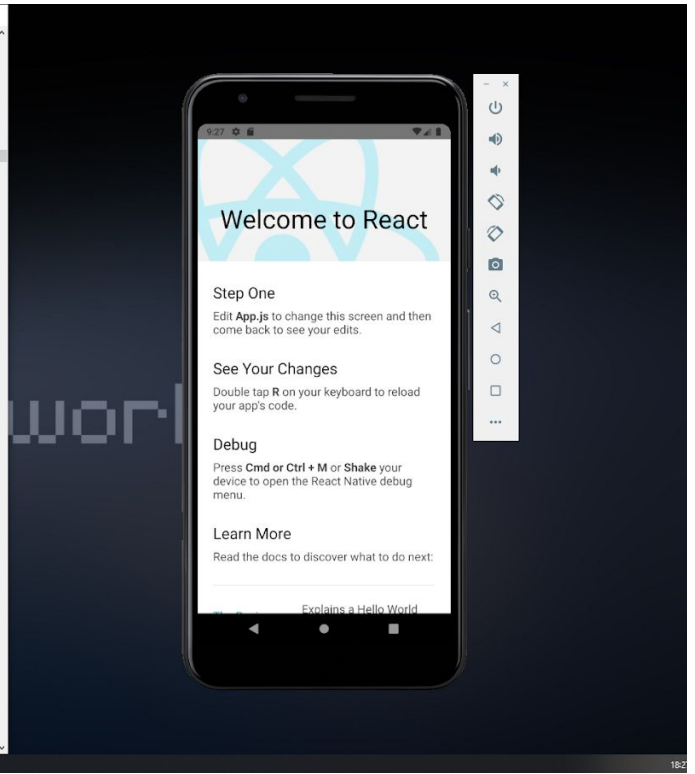
```
npx react-native run-android
```

```
bugoutlib\x86_64\libfolly_json.so' due to missing strip tool for ABI 'x86_64'. Packaging it as is.
Unable to strip library 'E:\ProjetosAleatorios\teste_react\test\android\app\build\intermediates\merged_native_libs\de
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bugoutlib\x86_64\libhermes-executor-debug.so' due to missing strip tool for ABI 'x86_64'. Packaging it as is.
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bugoutlib\x86_64\libhermes-executor-release.so' due to missing strip tool for ABI 'x86_64'. Packaging it as is.
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bugoutlib\x86_64\libreactnative.so' due to missing strip tool for ABI 'x86_64'. Packaging it as is.
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Unable to strip library 'E:\ProjetosAleatorios\teste_react\test\android\app\build\intermediates\merged_native_libs\de
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> Task :app:installDebug
00:25:55 V/ddms: execute: running am get-config
00:25:55 V/ddms: execute: 'am get-config' on 'emulator-5554' : EOF hit. Read: -1
00:25:55 V/ddms: execute: returning
Installing APK 'app-debug.apk' on 'Pixel 3a_API 28(AND) - 9' for app:debug
00:25:55 D/app-debug.apk: Uploading app-debug.apk onto device 'emulator-5554'
00:25:55 D/Device: Uploading file onto device 'emulator-5554'
00:25:55 D/ddms: Reading file permission of E:\ProjetosAleatorios\teste_react\test\android\app\build\outputs\apk\debug
\app-debug.apk as: rwx-----
00:25:55 V/ddms: execute: running pm install -r -t "/data/local/tmp/app-debug.apk"
00:25:57 V/ddms: execute: 'pm install -r -t "/data/local/tmp/app-debug.apk"' on 'emulator-5554' : EOF hit. Read: -1
00:25:57 V/ddms: execute: returning
00:25:57 V/ddms: execute: running rm "/data/local/tmp/app-debug.apk"
00:25:58 V/ddms: execute: 'rm "/data/local/tmp/app-debug.apk"' on 'emulator-5554' : EOF hit. Read: -1
00:25:58 V/ddms: execute: returning
Installed on 1 device.

Deprecated Gradle features were used in this build, making it incompatible with Gradle 7.0.
Use --warning-mode all to show the individual deprecation warnings.
See https://docs.gradle.org/6.0.1/userguide/command_line_interface.html#sec:command_line_warnings

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Starting: Intent { cmp=com.test.MainActivity }
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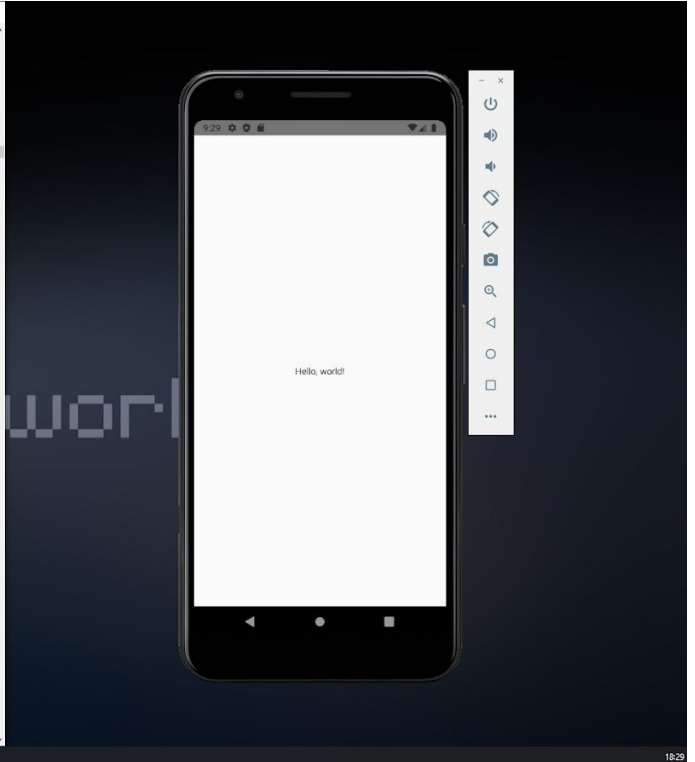


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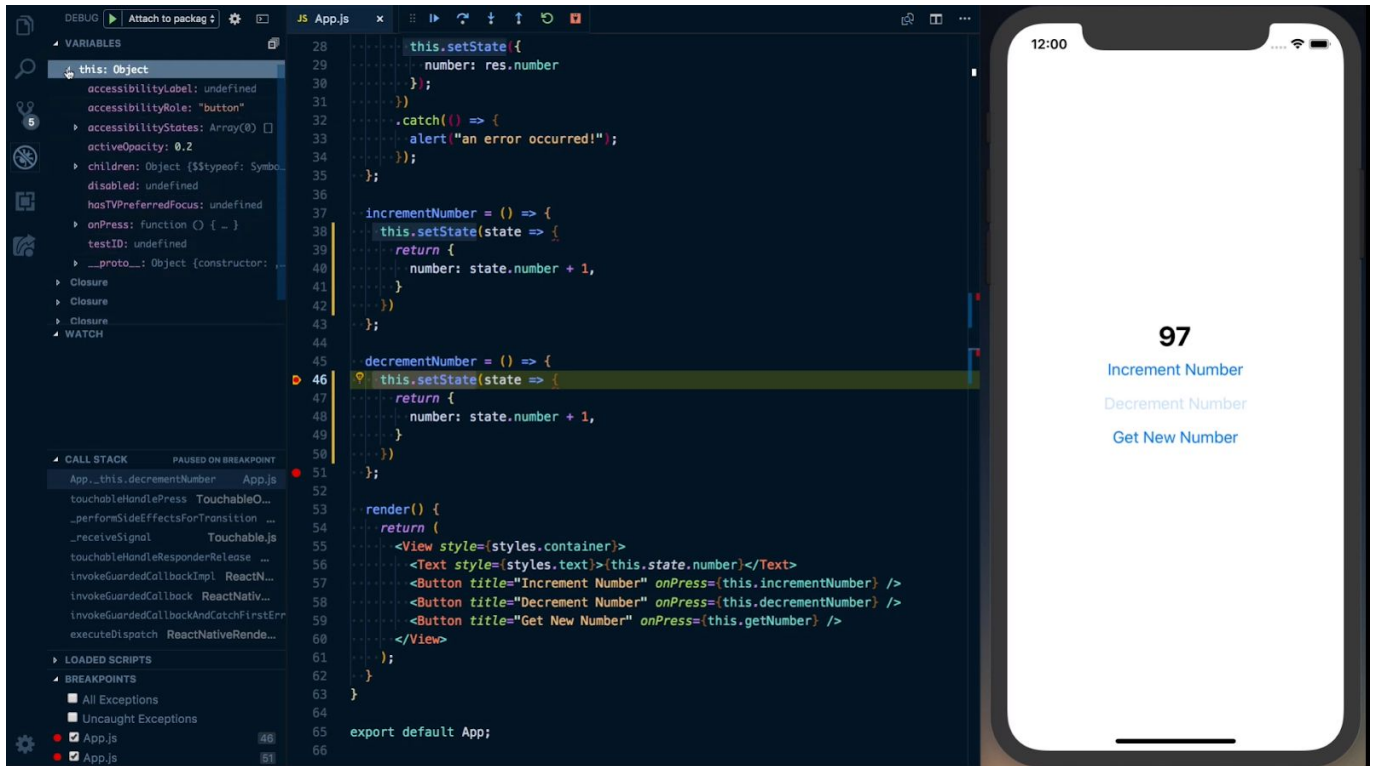
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Depurador no Visual Studio Code

1. Abrir as configurações do depurador do visual studio code pela barra Sidebar ou pressionando CTRL+SHIFT+D.
2. Clicar em 'create a launch.json file' e selecionar React Native.
3. Selecionar as plataformas operantes e clicar em 'Ok'.
4. Clicar em 'Start Debugging' e recarregar o aplicativo



Simulador Online React Native

Para execução online do react native em qualquer dispositivo encontramos a plataforma expo.io, onde também é vista como uma plataforma de troca de códigos fontes entre os desenvolvedores.

A utilização é bem simples, basta criar uma conta e instalar o expo.io usando os seguintes comando:

```
npm install expo-cli --global
```

Após a instalação basta criar um expo.io e colocar os fonte app dentro do novo projeto, além disto o expo.io disponibiliza uma plataforma web onde é possível debugar e executar aplicativos locais ou, até mesmo, externos.

Demonstração Local:

```
Selecionar C:\Windows\System32\cmd.exe - expo start

E:\BCC\7Semestre\DPM\DPM_2020-1_Equipe_10\A10\RNSensorDemo>npm install expo-cli --global
npm WARN deprecated joi@14.0.4: This version has been deprecated in accordance with the hapi support policy (hapi.im/support). Please upgrade to the latest version to get the best features, bug fixes, and security patches. If you are unable to upgrade at this time, paid support is available for older versions (hapi.im/commercial).
npm WARN deprecated request@2.88.2: request has been deprecated, see https://github.com/request/request/issues/3142
npm WARN deprecated fsevents@1.2.13: fsevents 1 will break on node v14+ and could be using insecure binaries. Upgrade to fsevents 2.
npm WARN deprecated core-js@2.6.11: core-js@<3 is no longer maintained and not recommended for usage due to the number of issues. Please, upgrade your dependencies to the actual version of core-js@3.
npm WARN deprecated joi@11.4.0: This version has been deprecated in accordance with the hapi support policy (hapi.im/support). Please upgrade to the latest version to get the best features, bug fixes, and security patches. If you are unable to upgrade at this time, paid support is available for older versions (hapi.im/commercial).
npm WARN deprecated topo@2.0.2: This version has been deprecated in accordance with the hapi support policy (hapi.im/support). Please upgrade to the latest version to get the best features, bug fixes, and security patches. If you are unable to upgrade at this time, paid support is available for older versions (hapi.im/commercial).
npm WARN deprecated hoek@4.2.1: This version has been deprecated in accordance with the hapi support policy (hapi.im/support). Please upgrade to the latest version to get the best features, bug fixes, and security patches. If you are unable to upgrade at this time, paid support is available for older versions (hapi.im/commercial).
npm WARN deprecated topo@3.0.3: This module has moved and is now available at @hapi/topo. Please update your dependencies as this version is no longer maintained and may contain bugs and security issues.
npm WARN deprecated hoek@6.1.3: This module has moved and is now available at @hapi/hoek. Please update your dependencies as this version is no longer maintained and may contain bugs and security issues.

> @expo/traveling-fastlane-linux@1.13.1 preinstall C:\Users\Carlos\AppData\Roaming\npm\node_modules\expo-cli\node_modules\@expo\traveling-fastlane-linux
> node platform.js

Does not seem like WSL enabled on this machine. Download a Linux distro from the Windows Store, run it at least once and then make sure to run in an admin powershell:
```

```
Selecionar C:\Windows\System32\cmd.exe - expo start

npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ expo-cli@3.20.3
added 1804 packages from 896 contributors in 180.713s

E:\BCC\7Semestre\DPM\DPM_2020-1_Equipe_10\A10\RNSensorDemo>cd ..

E:\BCC\7Semestre\DPM\DPM_2020-1_Equipe_10\A10>expo init accelerometerapp
? Choose a template: expo-template-blank

Using Yarn to install packages. You can pass --npm to use npm instead.

✓ Downloaded and extracted project files.
✓ Installed JavaScript dependencies.

Your project is ready!

To run your project, navigate to the directory and run one of the following yarn commands.

- cd accelerometerapp
- yarn start # you can open iOS, Android, or web from here, or run them directly with the commands below.
- yarn android
- yarn ios # requires an iOS device or macOS for access to an iOS simulator
- yarn web

E:\BCC\7Semestre\DPM\DPM_2020-1_Equipe_10\A10>cd accelerometerapp

E:\BCC\7Semestre\DPM\DPM_2020-1_Equipe_10\A10\accelerometerapp>expo start
Starting project at E:\BCC\7Semestre\DPM\DPM_2020-1_Equipe_10\A10\accelerometerapp
```



Demonstração Local(<https://snack.expo.io>):

