

# Dispositivos Portáteis

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 ionicframework

# ionic.

# Capacitor

Native APIs: Open-Source Native Device Plugins and Integrations



# Capacitor



Adicione funcionalidade nativa ao seu aplicativo com o Capacitor, um runtime nativo criado pela equipe do Ionic. Instale os pacotes principais e adicione-os facilmente ao seu projeto. O Capacitor tem uma ampla gama de recursos que os desenvolvedores podem usar para acessar recursos como o sistema de arquivos do dispositivo, câmera e serviços de localização nativos.

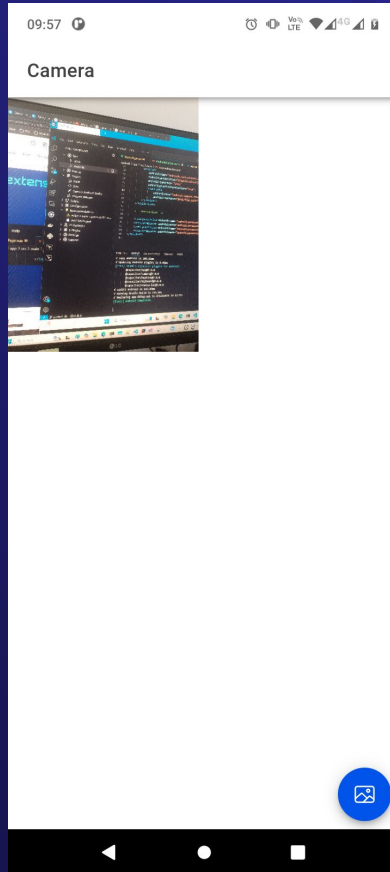


# Criando o app

ionic start

npm install @capacitor/camera

# Criando o app



# Criando o app

```
<template>
  <ion-page>
    <ion-header :translucent="true">
      <ion-toolbar>
        <ion-title>Camera</ion-title>
      </ion-toolbar>
    </ion-header>

    <ion-content :fullscreen="true">
      <ion-header collapse="condense">
        <ion-toolbar>
          <ion-title size="large">Blank</ion-title>
        </ion-toolbar>
      </ion-header>

      <ion-fab slot="fixed" vertical="bottom" horizontal="end">
        <ion-fab-button @click="takePhoto">
          <ion-icon :icon="imageOutline"></ion-icon>
        </ion-fab-button>
      </ion-fab>

    </ion-content>
  </ion-page>
</template>
```

# Criando o app

```
<script setup lang="ts">
import { Camera, CameraResultType } from '@capacitor/camera';
import {
  IonContent,
  IonHeader,
  IonPage,
  IonTitle,
  IonToolbar,
  IonFab,
  IonFabButton,
  IonIcon } from '@ionic/vue';
import { imageOutline } from "ionicons/icons";
import { ref } from 'vue';
```

```
const imgUrl = ref();

const takePhoto = async () => {
  const image = await Camera.getPhoto({
    resultType: CameraResultType.Uri,
    allowEditing: false,
    quality: 100,
    saveToGallery: true
  })
  imgUrl.value = image.webPath
}

</script>
```

# Gerando o projeto android

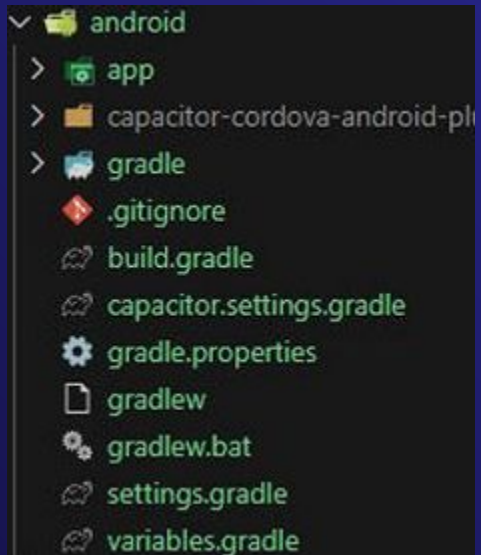
```
PS C:\exemplos\app-ionic-ex1> ionic build  
> vite.cmd build  
vite v5.2.14 building for production...
```

```
✓ dist  
> assets  
  favicon.png  
  index.html
```

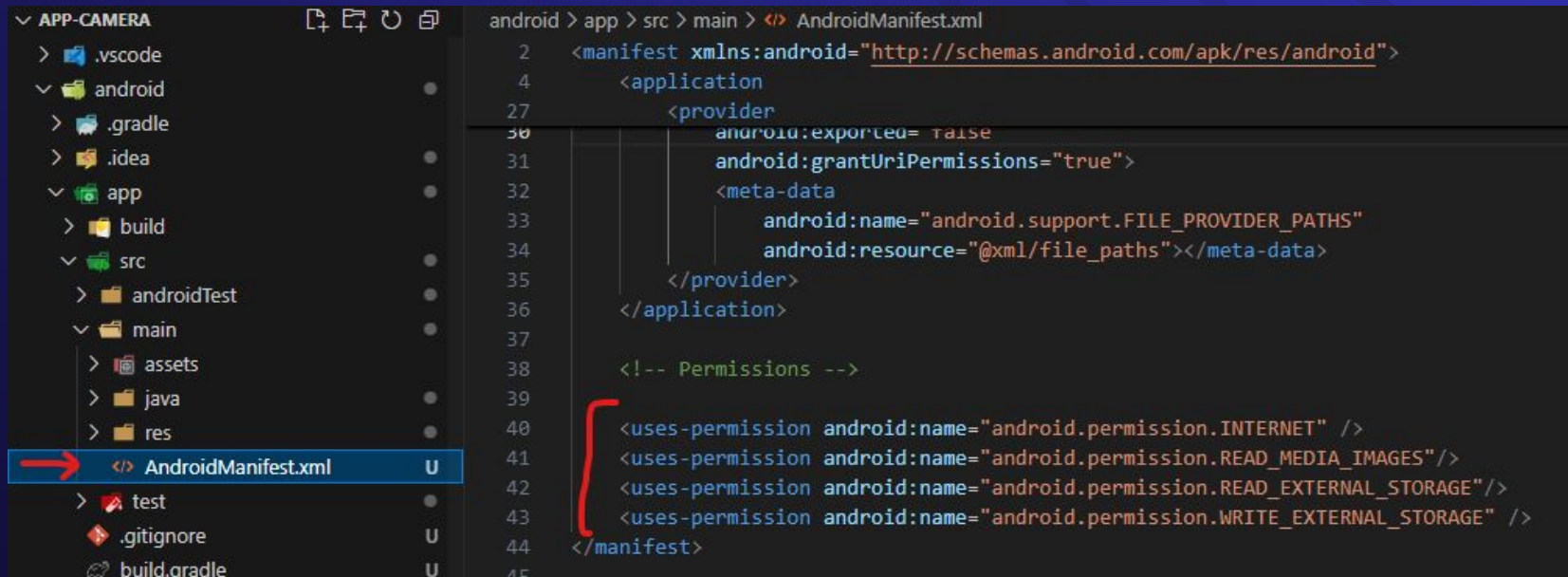


# Gerando o projeto android

```
PS C:\exemplos\app-ionic-ex1> ionic cap add android
```



# Permissões



```
android > app > src > main > <? AndroidManifest.xml
 2  <manifest xmlns:android="http://schemas.android.com/apk/res/android">
 4      <application
27          <provider
30              android:exported="true"
31              android:grantUriPermissions="true">
32          <meta-data
33              android:name="android.support.FILE_PROVIDER_PATHS"
34              android:resource="@xml/file_paths"></meta-data>
35      </provider>
36  </application>
37
38  <!-- Permissions -->
39
40  <uses-permission android:name="android.permission.INTERNET" />
41  <uses-permission android:name="android.permission.READ_MEDIA_IMAGES"/>
42  <uses-permission android:name="android.permission.READ_EXTERNAL_STORAGE"/>
43  <uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE" />
44  </manifest>
45
```

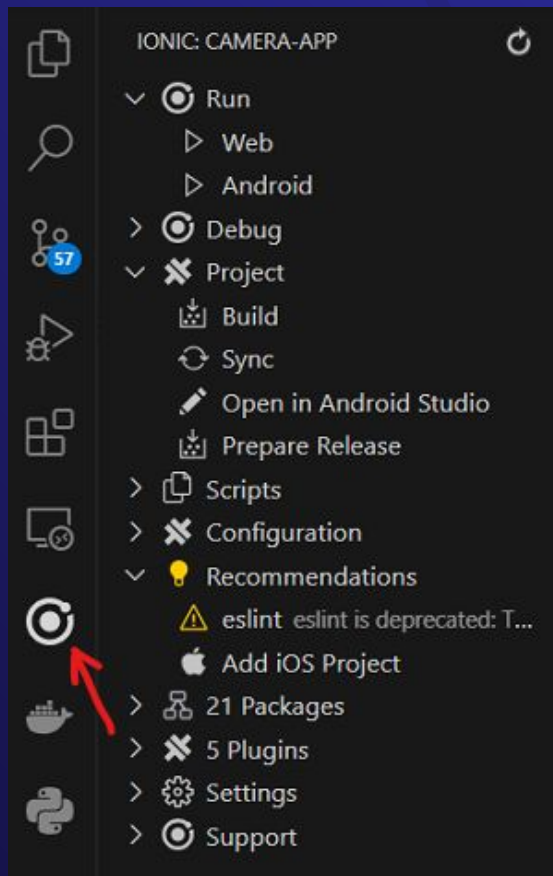
```
<uses-permission android:name="android.permission.INTERNET" />
```

```
<uses-permission android:name="android.permission.READ_MEDIA_IMAGES"/>
```

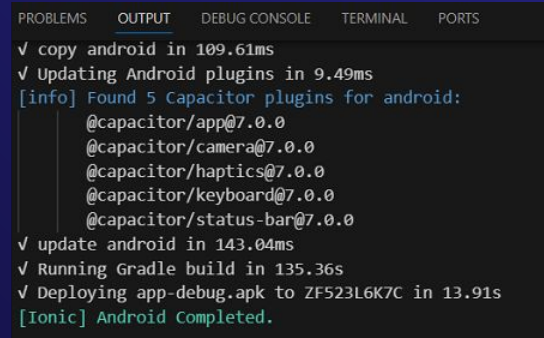
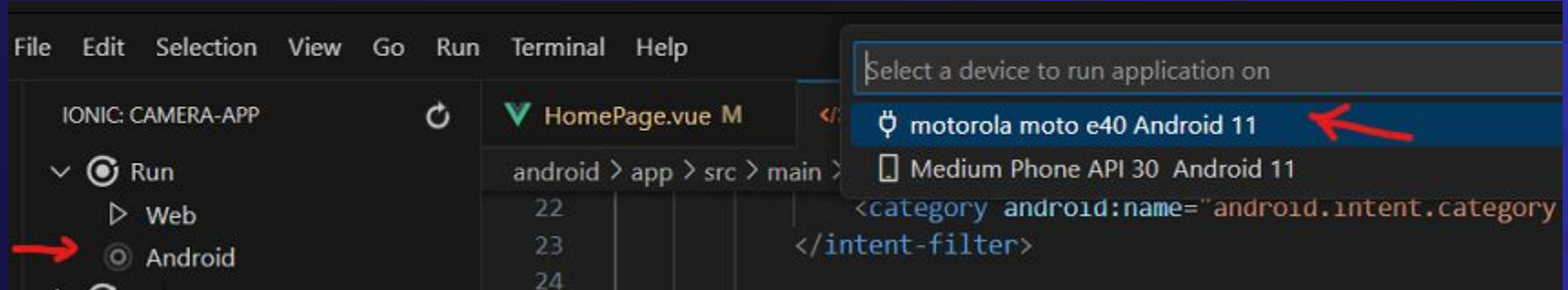
```
<uses-permission android:name="android.permission.READ_EXTERNAL_STORAGE"/>
```

```
<uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE" />
```

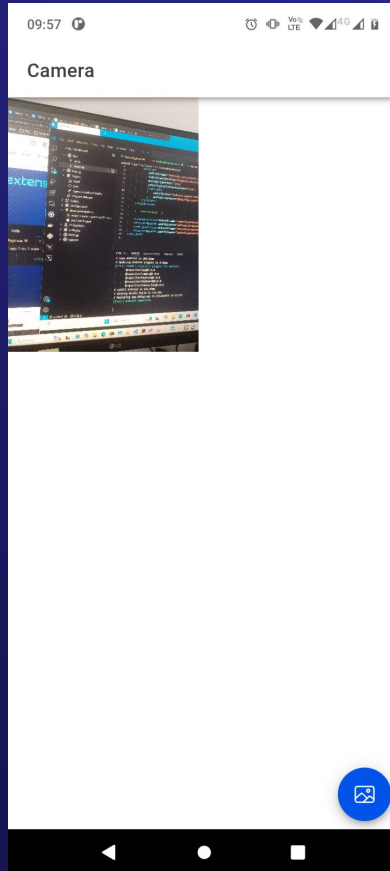
# ionic vscode extension



# ionic vscode extension



# Dispositivo android real





## Taking and Saving Pictures Using Ionic ▶ 7 and Vue.js 3 | Android app





# Troubleshooting

