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1. **System requirements**:

* **CPU**:
  + **Model**: AMD Ryzen 7 5825U
  + **Cores**: 8 cores
  + **Base Clock Speed**: 2.00 GHz
  + **Integrated Graphics**: Radeon Graphics
* **RAM**:
  + **Size**: 16 GB
* **Operating System**:
  + **Version**: Windows 11 (64-bit)

**Instructions for installation**

1. Download and install Node.js from the Node.js website.
2. Download the version that is LTS.
3. With the prompts, choose the NEXT.
4. Verify Node.js and npm on the command prompt after installation, then enter:

**node -v npm -v.**

**Install JDK, or the Java Development Kit.**1. From Oracle's official website, get the Java Development Kit (JDK).  
2. Start the installer and adhere to the prompts.  
3. Configure environment variables:  
4. Select "Start" and type in "Environment Variables."  
5. Put the JDK installation directory in the JAVA \_HOME property.

**Install Android Studio:**  
1. Visit Android Studio's official website to download and install the program.  
2. Select the boxes to install the Android SDK, Android SDK Platform, and Android Virtual Device (AVD) during the installation process.

**Install React Native CLI:**

1. Installing the Reactive Native CLI is necessary after installing npm and node.js.  
2. Launch the Command Prompt and type this.

**npm install -g react native-cli.**  
  
**Set up Android SDK:**  
1. Install the Android SDK and set up environment variables.  
2. Set ANDROID\_HOME and use "platform tools" and "emulator" to alter the path.

**Verify Installation:**  
1. Get the command prompt open.  
2. The command "**npx react-native init MyProject**" will start a new React-Native project.  
3. Type "**cd MyProject**" and this will take you to the project directory.  
4. To begin working on the "**npx react-native run-android**" project

**Configuration procedures:**

1. Set the path for the Android SDK:   
  
As previously said, make sure the environment variables have the Android SDK path set correctly. This makes it possible for the build tools required for React Native to be accessible.  
  
**Establishing the project**:

Establish a New React Native Project.  
1. Click the "Commands" prompt.   
2. Select the directory in which you would like development on your project to start.   
3. To begin a new project, issue the following command:   
**npx react-native init IncredibleTodoListApp**

**Running the project:**

1. Launch the Command Prompt for Your React Native Project.  
 2. Your Project Directory by navigating:

**cd C:\path\to\IncredibleTodoListApp**  
  
3. Launch Metro Bundler (if it isn't already):  
**npx react-native start**

4. Launch the App:  
Open a second Command Prompt window and type:

**npx react-native run-android**

**Troubleshooting:**

1. Metro Bundler Not Operating Issues:

Make sure npx react-native start is used to launch it. If problems still arise, empty the cache:

**npx react-native start --reset-cache**  
  
2. Issues With the Emulator Not Starting:

Verify the system requirements and make sure the BIOS has virtualization enabled.  
  
3. Construction Errors  
Build Error for Gradle: Make the project clean:  
**cd android && ./gradlew clean**

Next, sprint:  
**npx react-native run-android**

4. Problems with the Java SDK  
JDK Could Not Be Found: Make sure Java HOME is properly set and JDK is installed.  
5. Problems with Device Connection

No Physical Device Identified: Enable USB debugging and check connections. Apply:  
**adb devices**

6. Frequently Asked Questions  
Not Found Module: Examine the dependencies and import statements. Remove the cache if necessary.  
Failed Network Request: Verify that the emulator or device is up and that the API is accessible.

**Resources:**

Tutorials:

React native Express: This is the tutorial that we can learn from the following given link: <https://www.reactnative.express/>

Official documents: There are also other authentic documents from the official publishers of the react. This is also the best way to get knowledge of the react and following link leads to the site from where we can access the information by searching directly from the web.

Blogs and articles:

Official blogs posted by the official can be helpful resources to get access of the content from the blogs and articles .There fore the following link may leads to the articles or [articles.](https://getstream.io/video/sdk/react-native/tutorial/video-calling/?utm_adgroup=&utm_custom=20779301890&matchtype=p&device=c&_location=9001319&_bt=699126291962&_bk=video%20react%20native&_bm=p&_bn=g&utm_source=%7bgoogle%7d&utm_medium=%7bcpc%7d&utm_campaign=VideoThierryTest&utm_content=699126291962&utm_term=video%20react%20native&hsa_acc=6893682346&hsa_cam=20779301890&hsa_grp=163175135938&hsa_ad=699126291962&hsa_src=g&hsa_tgt=kwd-1631372074513&hsa_kw=video%20react%20native&hsa_mt=p&hsa_net=adwords&hsa_ver=3&gad_source=1&gclid=Cj0KCQjwxsm3BhDrARIsAMtVz6NWDnxBaUThIDD9XVC1Pe47YoTZomwMv3D2CzUHXF4wxyecvkX9SeAaAsuUEALw_wcB)