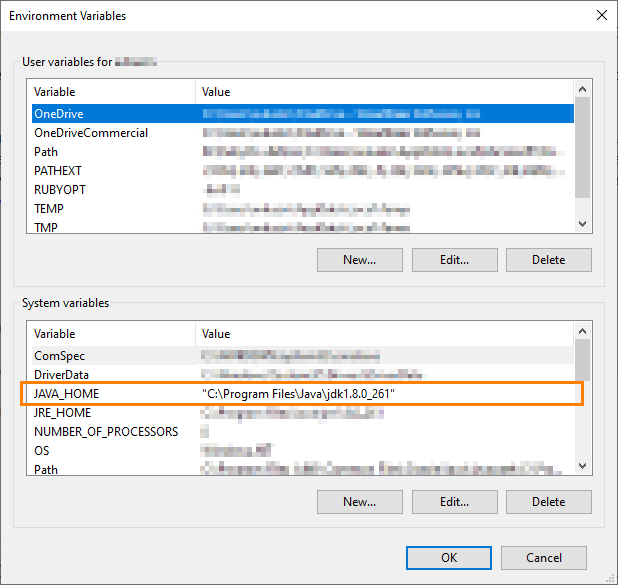
# Set up Appium on Windows

1. **Install JDK**

* Download the installation package from this website:
  + - <https://www.oracle.com/java/technologies/javase-downloads.html>
    - Run the installer and follow the instructions you will see on the screen.
* Specify the path to your JDK version in the JAVA\_HOME environment variable. To do this, open the Control Panel, search for “*environment variables*”, in the subsequent dialog, click Environment Variables, and then set the variable value.



### **2. Install NodeJS and NPM**

* Download the installation packages from this website:
* <https://nodejs.org/en/download/>
* Run the installer and follow the instructions you will see on the screen.

**3. Install Appium**

* Start the Command Prompt as an administrator.
* Run the following command:

**npm install -g appium**

* After the installation is over, run Appium to ensure it works. To do this, run this command in the Command Prompt (it should be run in the administrator mode):

**appium**

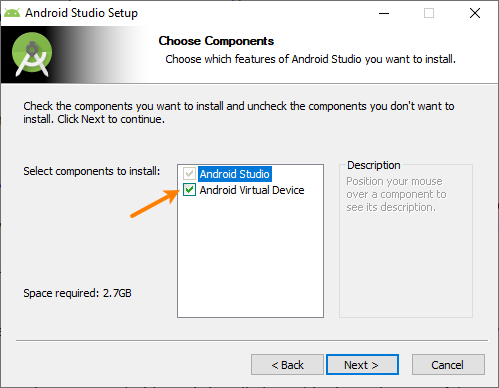
**4. Install Android Studio**

Download the installation package from the following website:

<https://developer.android.com/studio/>

Run the installer and follow the instructions you will see on the screen.

When installing, make sure to select the **Android Virtual Device** component:



### **5. Configure Android virtual devices**

1. Start AndroidStudio.
2. In the Welcome dialog, select **Configure > SDK Manager**.

In the subsequent SDK Manager dialog box:

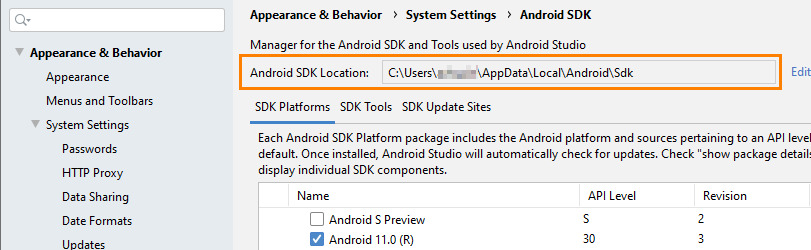
* + On the **SDK Platforms** tab, select the SDKs that you will need for testing.

|  |  |
| --- | --- |
| Select at least one SDK. |  |

* + Switch to the **SDK Tools** tab and make sure the following tools are selected there:
    - Android SDK Build-tools

|  |  |
| --- | --- |
| **Note:** | Select the latest available version. |

* + - Android SDK Platform-Tools
    - Intel x86 Emulator Accelerator (HAXM installer)
  + Copy the value of the **Android SDK Location** box at the top of the SDK Manager dialog. We will need this value later:

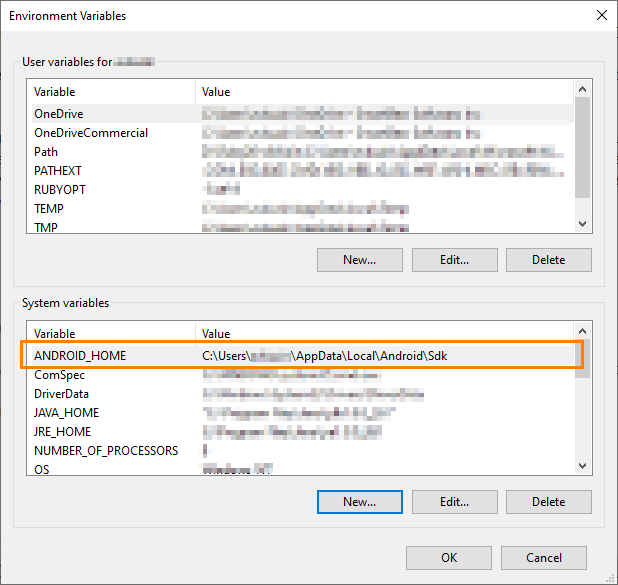


Close the SDK Manager.

1. Now, in the Welcome dialog, select **Configure > AVD Manager**. This will open the AVD Manager dialog where you can create and launch Android virtual devices (emulators).

If the dialog doesn’t list the device you need, click **Create Virtual Device** and create the needed device emulator.

1. To create and run tests, you need to specify the path to Android SDK files (the one that the “Android SDK Location” text box displayed) in the ANDROID\_HOME environment variable: open the Control Panel, search for “*environment variables*”, in the subsequent dialog, click Environment Variables, and then set the variable value. If the variable doesn’t exist, add it to the “System variables” list



### **6. Add ADB to Environmental variables**

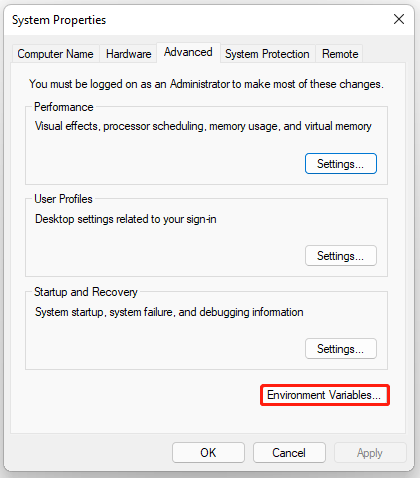
ABD must be an environment variable to execute the command. To do this, first, you need to copy the path of the ABD. So, go to the location where the kit was installed and copy the location of ADB.exe. Typically, it is installed in the following locations:

**C:\(Username)Android\android-sdk\platform-tools**

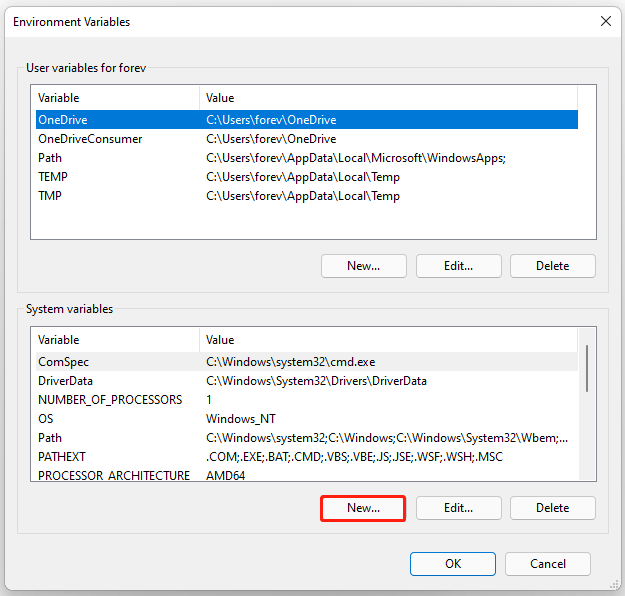
Second, you should add ADB to Environmental Variable. Here is the guide:

**Step 1**: Type **Environment Variables** in the Windows Search box, and then click the best-matched result.

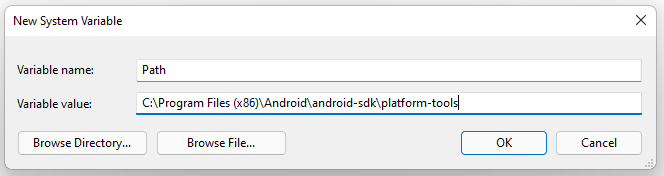
**Step 2**: In the System Properties window, click the **Environment Variables** button.



**Step 3**: In the next window, under the **System variables** section, click any item and click **New**.



**Step 4**: Next to the **Variable name**, type **Path**. Then next to **Variable value**, paste the copied address and then click **OK**.



### **Step 5**: **Enable USB Debugging**

[USB debugging](https://www.partitionwizard.com/partitionmanager/what-is-usb-debugging.html) is a feature that should be enabled before your Android phone is connected to the computer. This “ADB is not recognized” issue may occur if the USB debugging option is not enabled in the Android phone connected to the computer.

To do so, you need to do this:

**Step 1**: On your Android phone, go to **Settings** > **About Phone** and select **Software Information**.

**Step 2**: Tap **Build Number** 7 times to enable Developer Mode, and then go back to **Developer** option to enable USB debugging.

**Step 6**: Start the Command Prompt as an administrator enter the following command:

adb devices

Now you can see the list of devices you have connected