Panasonic

Android Standalone Application



User Guide

Version: 2.0

Contents

Overview 1
System Requirements 1
Create AVD with Panasonic Hardware Profiles 2

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Overview

You can create a virtual development and testing environment to test the features and functionality of your application in a virtual seatback monitor.

Simply upload our Panasonic hardware device profiles to your Android Virtual Device (AVD) and begin your tests. These profiles define the characteristics of a monitor running in a seatback.

To effectively test your application, you should create an AVD model for each Panasonic hardware profile that your application is designed to support.

For additional information on the AVD, refer to the Android documentation located at:

https://developer.android.com/studio/run/emulator.html

System Requirements

- Android Studio Electronic Eel 2022 1.1
- Android Platform SDK Tools 33.0.3
- Android Emulator 31.3.14
- Android 5.1 (API level 22) or 8.1 (API level 27). Android 9 planned
- Panasonic devices.xml file

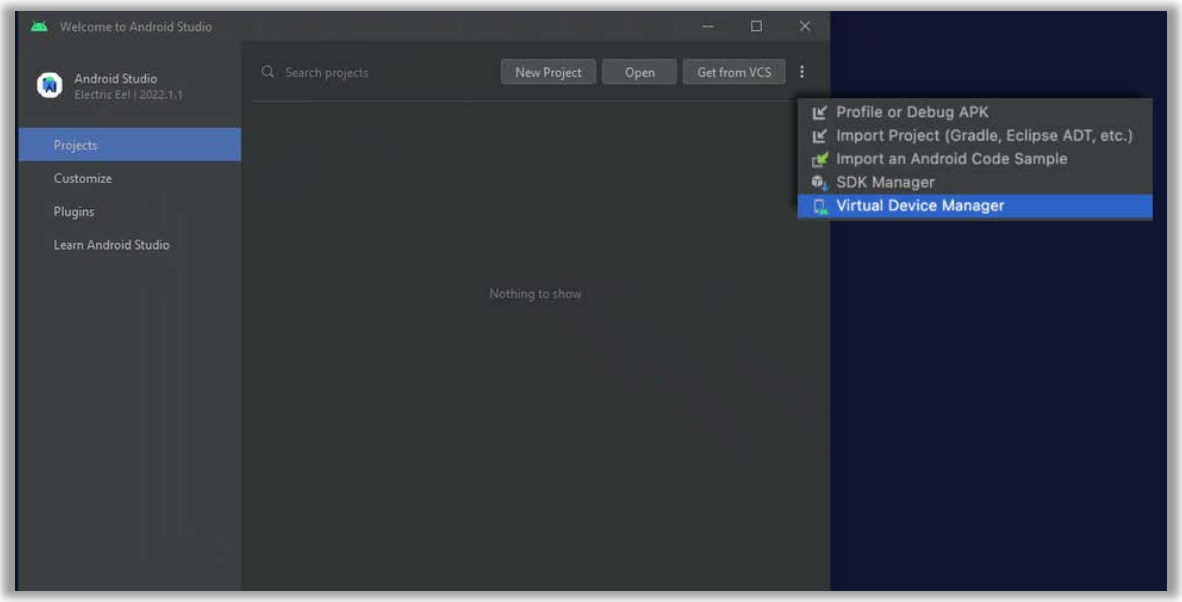
Create AVD with Panasonic Hardware Profiles

The Panasonic **devices.xml** file contains hardware profiles for a range of monitors used in the Android seatback monitor.

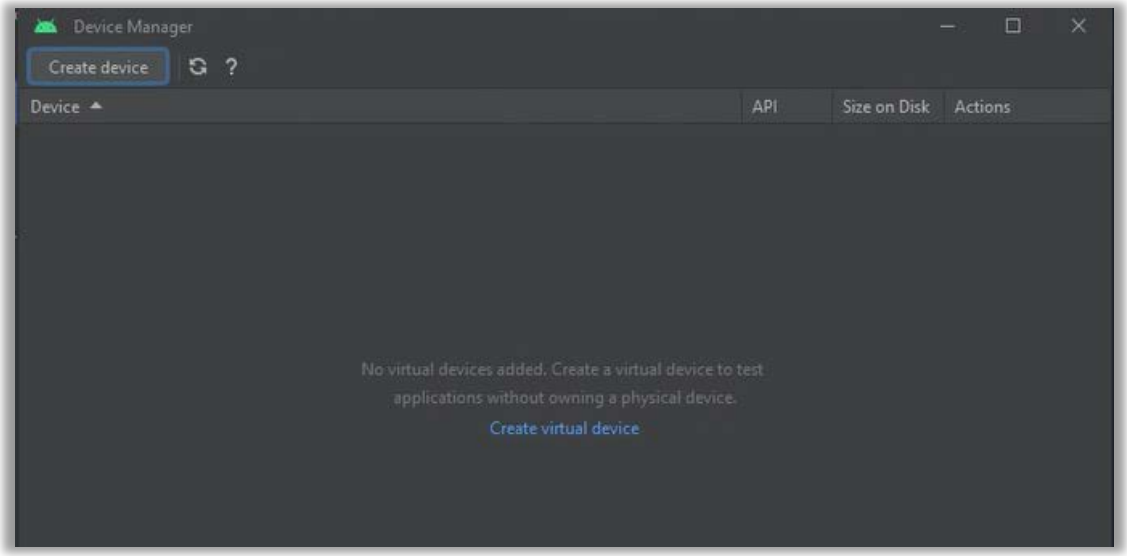
You can load hardware profiles by importing the **devices.xml** file or creating custom hardware profiles.

Follow these steps:

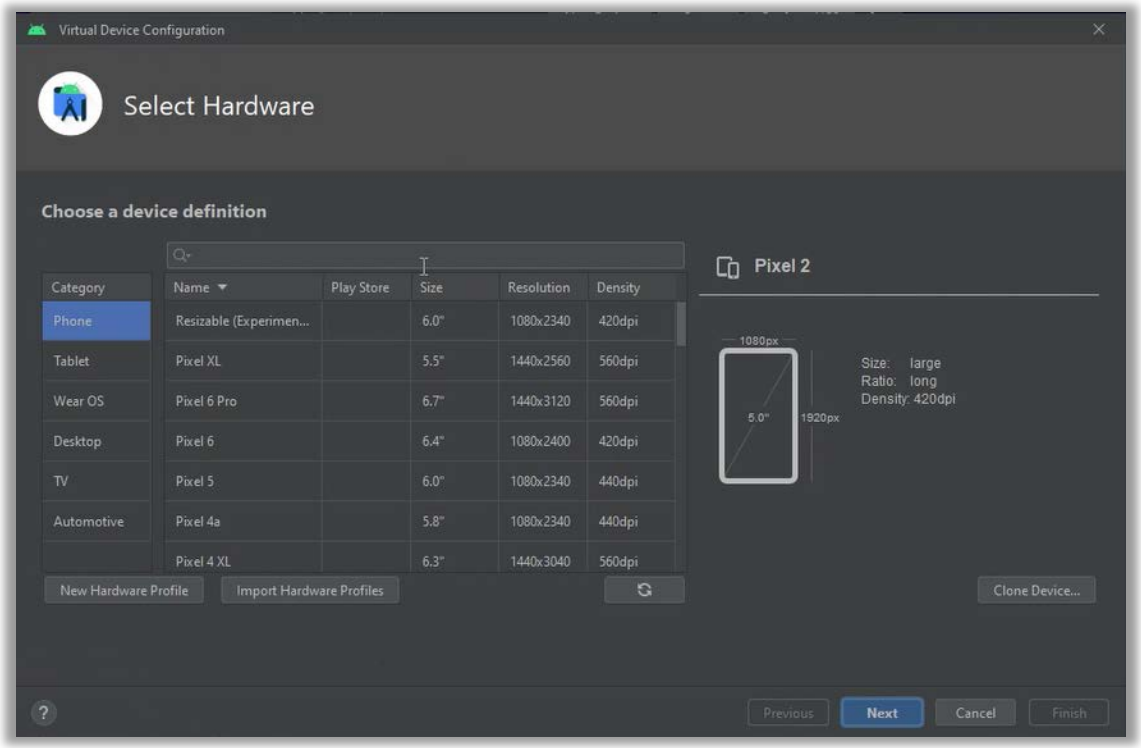
1. Access the **devices.xml** file in the download package, then save the file to your system.
2. In Android Studio, select the **More Actions** ellipse, then select **Virtual Device Manager**.



3. In the **Device Manager** page, select **Create Device**. The **Select Hardware** page displays.

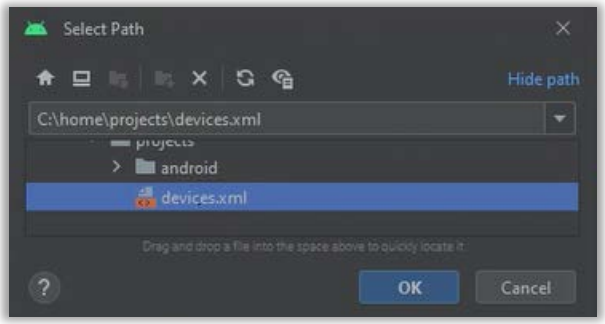


4. Verify the Phone is selected, then select the **Import Hardware Profile** button.

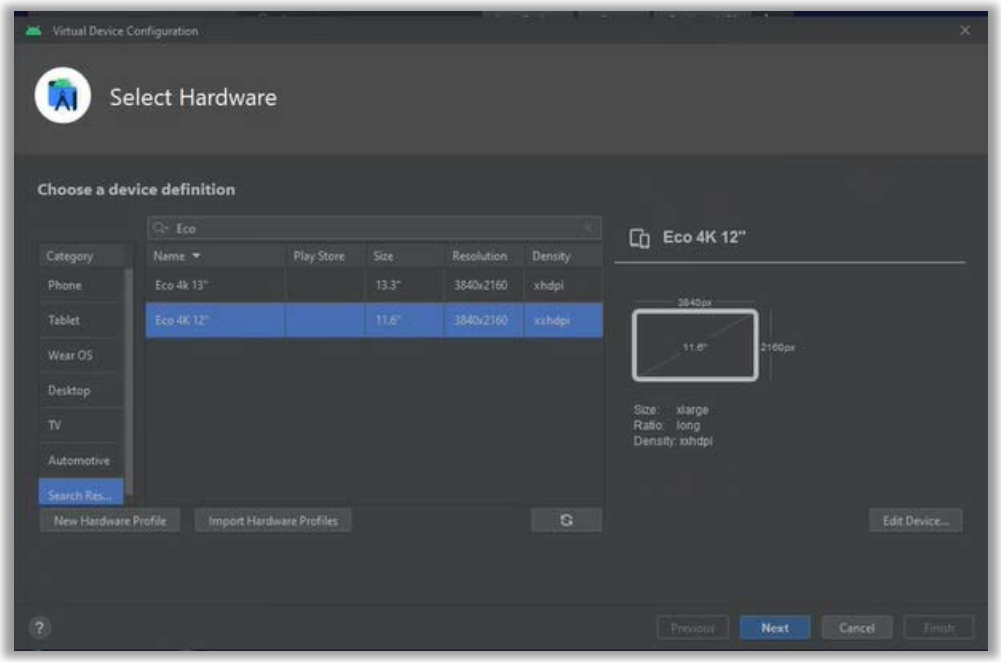


5. In the **Select Path** page, navigate to the **devices.xml** file saved on your system, then select **OK**.

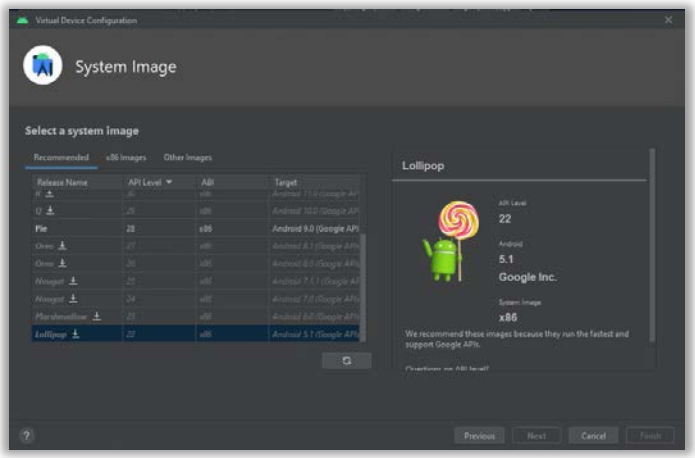
   The **Select Hardware** page displays with the imported hardware devices.

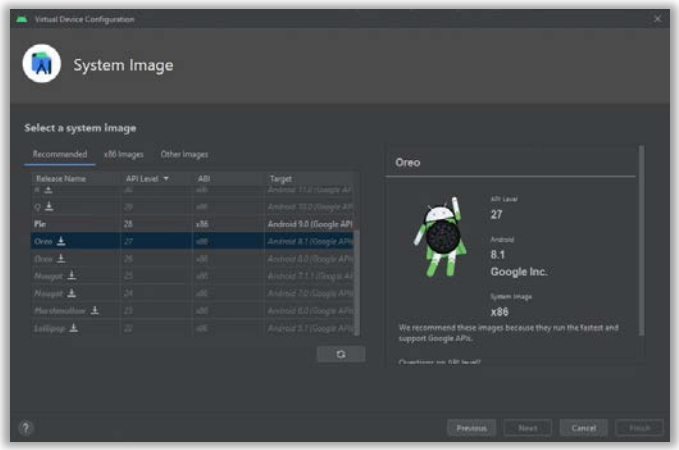


6. Select the device to emulate, then select **Next**.

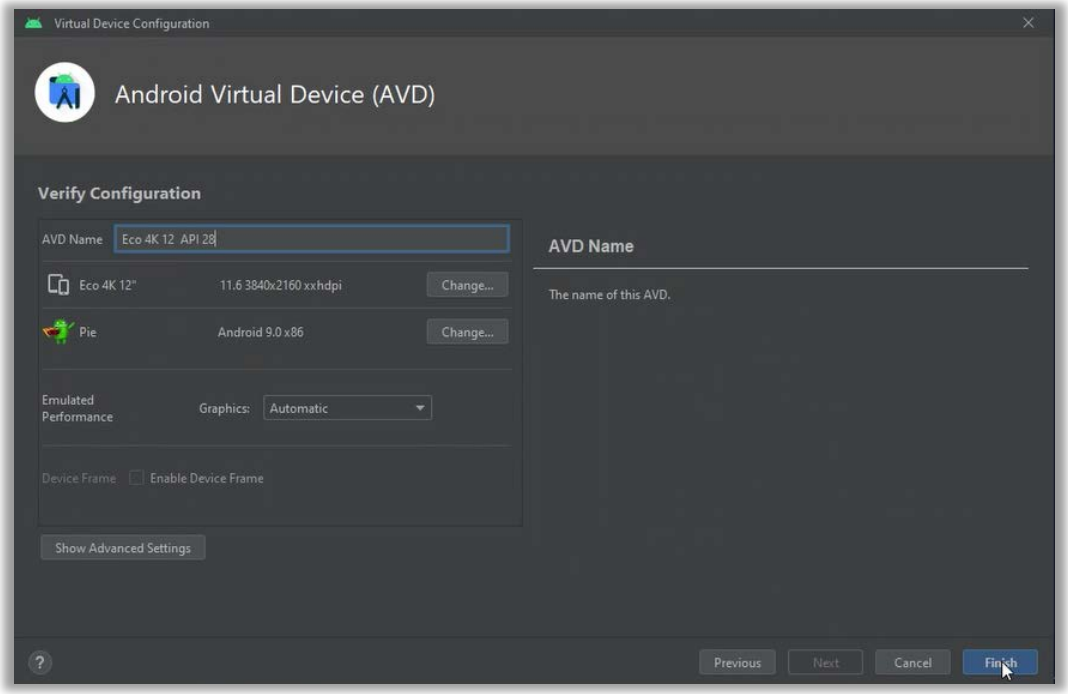


7. Select the system image as either Lollipop 5.1or Oreo 8.1, then select **Next**.





8. Verify the configuration, then select **Finish**.



9. Select **Run** to start the emulator and begin testing.

