

# **Basic steps**

Follow the video at

http://www.embarcadero.com/starthere/xe5/index.html

 This used to be an iOS page, but now starts with the Android information

# **Android Mobile Help Wizard**

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### **Help > Mobile Help Wizard**:

http://www.embarcadero.com/starthere/xe5/mobdevsetup/android/en/index.html

Delphi Requires ADB (see further on) which is in Android SDK and NDK bundle

#### Summary:

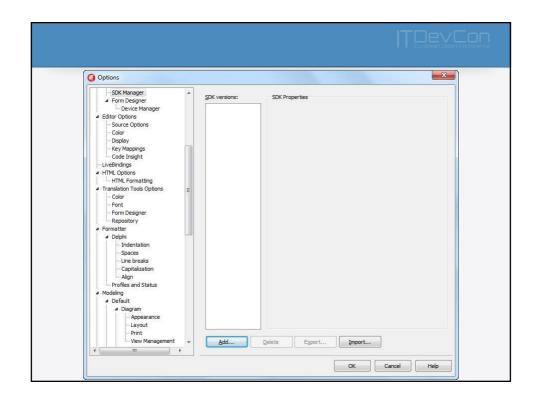
- Do not use emulator:
  - It is painfully slow
  - It does not run inside VMware/HyperV/VirtualBox/...
    (if you still want to run it, see a few slides later)
- Do use multiple devices: it is the real world
- Install remote screen viewer / control tools

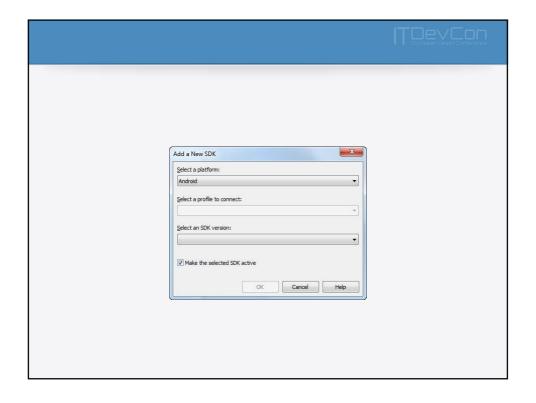
# **SDK and NDK**

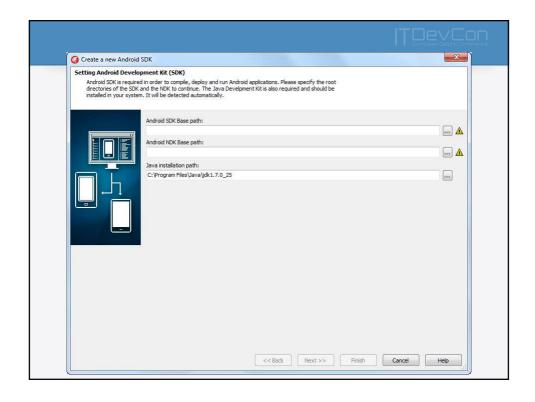
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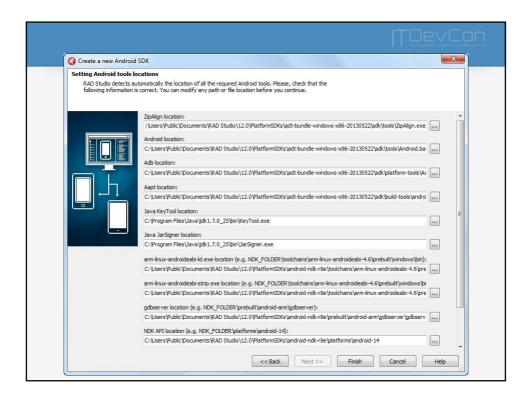
Show what happens when the SDK/NDK config is trashed

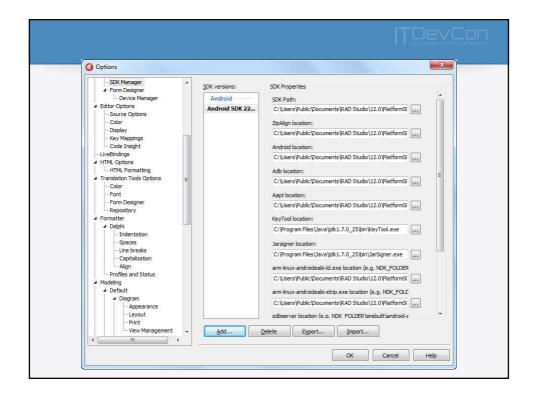
- C:\Users\Public\Documents\RAD Studio\12.0\PlatformSDKs\adt-bundle-windows-x86-20130522\sdk
- C:\Users\Public\Documents\RAD Studio\12.0\PlatformSDKs\android-ndk-r8e

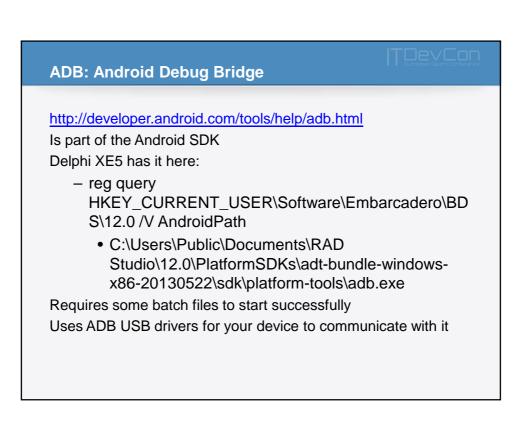












### **ADB USB drivers**

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Google ADB drivers: for Google and compatible devices

- C:\Users\Public\Documents\RAD Studio\12.0\PlatformSDKs\adt-bundle-windows-x86-20130522\sdk\extras\google\usb\_driver
- Or download from http://developer.android.com/sdk/win-usb.html
- Or download via the Android SDK Manager; see batch files in C:\Users\developer\Copy\zephyr-xe5\Tools\ADT

Install the Windows drivers, for instance:

- HTC, Corporation Other hardware My HTC; Download size: 1.1 MB
- HTC, Corporation Other hardware software update released in September, 2013

Universal Naked Driver: \*.inf modification to allow for most devices

- 0.73 http://forum.xda-developers.com/showthread.php?t=2386956
- 0.72 http://forum.xda-developers.com/showthread.php?t=1426502
- Find the USB ID for your divice through http://www.nirsoft.net/utils/usb\_devices\_view.html
- How to modify .inf: <a href="http://stackoverflow.com/questions/4204232/android-usb-adb-driver-for-htc-desire-hd">http://stackoverflow.com/questions/4204232/android-usb-adb-driver-for-htc-desire-hd</a>

Get drivers from your vendor.

Be aware they often install OLD versions of the ADB binaries

### **ADB** demo

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Show-Devices.bat

 A connected device does not means it will always work Run-Monitor.bat

Android Debug Monitor;

- Explain what this means:
  - [2013-11-04 07:37:13 ddms]ADB rejected shell command (ls -l /): closed

Run-droidAtScreen-1.0.2.bat

Easiest way to remote see the screen of your Android device

Run-SDK-Manager.bat Android SDK Manager

- Show what is installed and how to update it

Run-ASM 2 50.bat

Android Screen Monitor; has trouble finding ADB.EXE

Run-AVD.bat

Android Virtual Devices: won't work inside a VM anyway

