

Giới thiệu về lập trình Android



Hệ điều hành Android

- Là HĐH trên điện thoại di động được phát triển bởi Google và dựa trên nền tảng Linux.
- Các phiên bản đang có hiện nay
 - Android 4.0.x Platform
 - Android 3.2 Platform
 - Android 3.1 Platform
 - Android 3.0 Platform
 - Android 2.3.4 Platform
 - Android 2.3.3 Platform
 - Android 2.2 Platform
 - Android 2.1 Platform

Hệ điều hành Android (2)

- Một số thiết bị sử dụng HĐH Android đang có trên thị trường
 - SAMSUNG GALAXY TAB 7.7 – Android 3.2



Hệ điều hành Android (3)

- HTC SENSATION – Android 2.3





Nội dung chính

- Cách xây dựng môi trường lập trình.
- Tạo ứng dụng Hello World.
- Debug ứng dụng với Android Virtual Device.
- Debug ứng dụng với máy ảo Virtual Box.
- Debug ứng dụng với Acer ICONIA TAB A500.

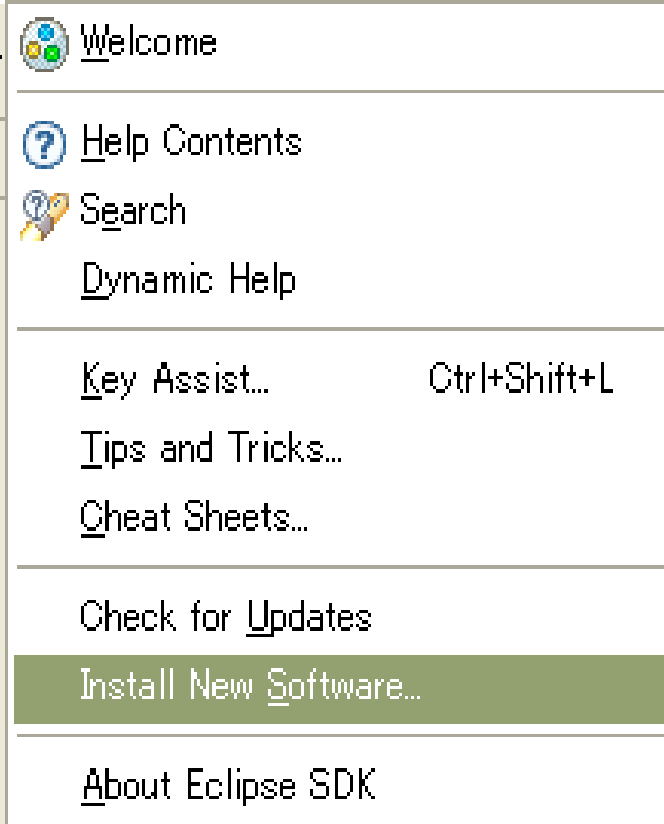
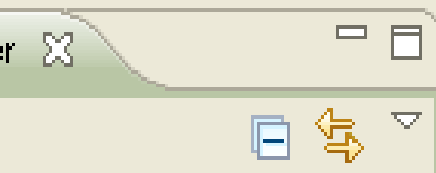


Môi trường lập trình



Môi trường lập trình

- Eclipse Classic.
- JDK 5 hoặc 6.
- Android SDK, lấy từ ổ đĩa FreeSoft (\Programming\Android\android-sdk).
- ADT Plugin, lấy từ ổ đĩa FreeSoft (\Programming\Android\ADT-16.0.1).
- Cài đặt ADT Plugin vào Eclipse.



Available Software

Select a site or enter the location of a site.



Work with: ▼ Add...

Find more software by working with the ["Available Software Sites"](#) preferences.

type filter text

Name	Version
<input type="checkbox"/> ⓘ There is no site selected.	

Select All Deselect All

Details ⌵

- ☒ Show only the latest versions of available software
- ☐ Hide items that are already installed
- ☒ Group items by category
- What is [already installed](#)?
- ☐ Show only software applicable to target environment
- ☒ Contact all update sites during install to find required software

Available Software

Select a site or enter the location of a site.



Work with:

Find more software by working with the ["Available Software Sites"](#) preferences.

Name

☐ There is no software available for this site.

Name:

Location:

OK

Cancel

Select All

Details

Details

- ☒ Show only the latest versions of available software
- ☐ Hide items that are already installed
- ☒ Group items by category
- What is [already installed](#)?
- ☐ Show only software applicable to target environment
- ☒ Contact all update sites during install to find required software

Available Software

Select a site or enter the location of a site.



Work with: type or s

type filter text

Name

☐ There iN
Lo

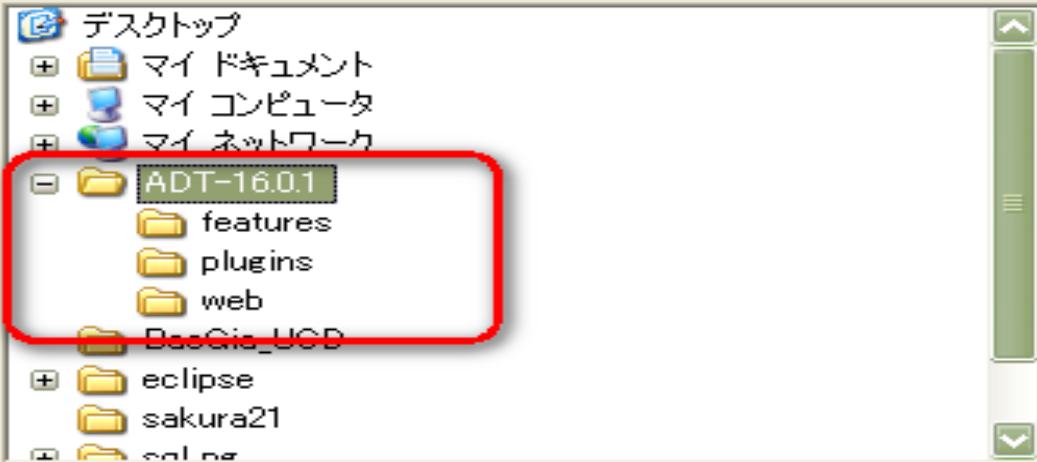
Select All

Details

- ☒ Show only the latest
- ☒ Group items by category
- ☐ Show only software applicable to target environment
- ☒ Contact all update sites during install to find required software

フォルダの参照

Select a repository root directory:



フォルダ: ADT-16.0.1

Available Software

Select a site or enter the location of a site.



Work with:

Find more software by working with the [“Available Software Sites”](#) preferences.

Name

☐ There is no software available for this environment.

Name:

Location:

Details

- ☒ Show only the latest versions of available software
- ☐ Hide items that are already installed
- ☒ Group items by category
- What is [already installed](#)?
- ☐ Show only software applicable to target environment
- ☒ Contact all update sites during install to find required software



Available Software

Check the items that you wish to install.



Work with:

Find more software by working with the ["Available Software Sites"](#) preferences.

Name		Version
<input checked="" type="checkbox"/> Developer Tools		
<input checked="" type="checkbox"/> Android DDMS		16.0.1.v201112150204-238534
<input checked="" type="checkbox"/> Android Development Tools		16.0.1.v201112150204-238534
<input checked="" type="checkbox"/> Android Hierarchy Viewer		16.0.1.v201112150204-238534
<input checked="" type="checkbox"/> Android Traceview		16.0.1.v201112150204-238534

4 items selected

Details





- ☒ Show only the latest versions of available software
- ☐ Hide items that are already installed
- ☒ Group items by category
- What is [already installed](#)?
- ☐ Show only software applicable to target environment
- ☒ Contact all update sites during install to find required software



Install Details

Review the items to be installed.



Name	Version	Id
 Android DDMS	16.0.1.v20111215...	com.android.ide.eclipse.ddms.feature...
 Android Development Tools	16.0.1.v20111215...	com.android.ide.eclipse.adt.feature.gr...
 Android Hierarchy Viewer	16.0.1.v20111215...	com.android.ide.eclipse.hierarchyvie...
 Android Traceview	16.0.1.v20111215...	com.android.ide.eclipse.traceview.fea...



Size: Unknown

Details



Review Licenses

Licenses must be reviewed and accepted before the software can be installed.



Licenses:

- + Apache License
- + Note: jcommon-1.0.12.jar is under the BSD license rather
- + Note: kxml2-2.3.0.jar is under the BSD license rather than

License text:

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

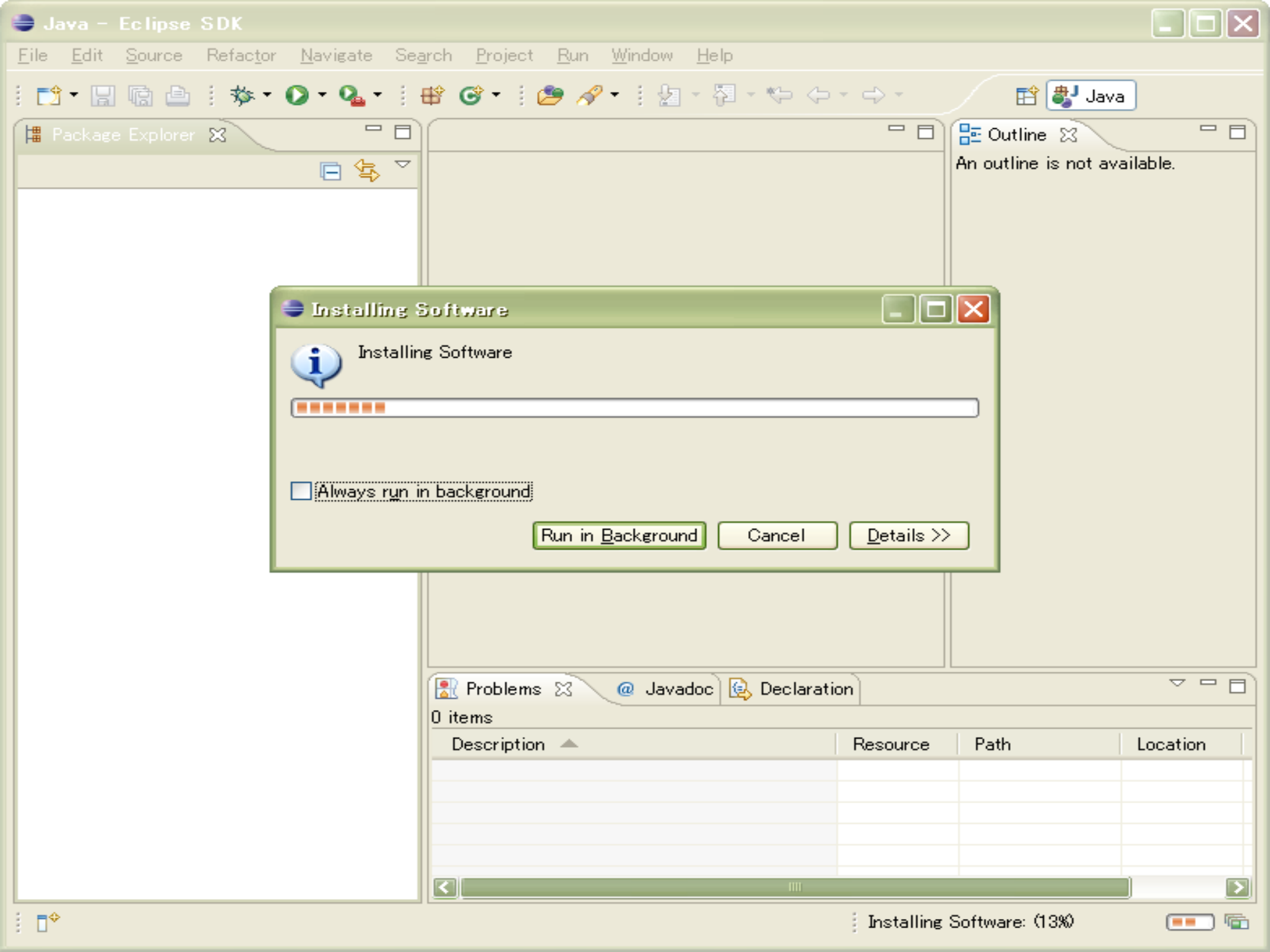
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or

- ☒ I accept the terms of the license agreements
- ☐ I do not accept the terms of the license agreements





Package Explorer



- New Window
- New Editor
- Open Perspective
- Show View
- Customize Perspective...
- Save Perspective As...
- Reset Perspective...
- Close Perspective
- Close All Perspectives
- Navigation
- Android SDK Manager
- AVD Manager
- ☒ Run Android Lint
- Preferences

type filter text

- General

Android

Build

DDMS

Editors

Launch

Lint Error Checking

LogCat

Usage Stats

Ant

Help

Install/Update

Java

Plug-in Development

Run/Debug

Team

XML

Android

Android Preferences

SDK Location: E:\Tool\android-sdk-windows

Browse...

Note: The list of SDK Targets below is only reloaded once you hit 'Apply' or 'OK'.

Target Name	Vendor	Platform	A...
Android 1.5	Android Open Source Project	1.5	3
Google APIs	Google Inc.	1.5	3
Android 2.1	Android Open Source Project	2.1	7
Google APIs	Google Inc.	2.1	7
Android 2.3.3	Android Open Source Project	2.3.3	10
Google APIs	Google Inc.	2.3.3	10
DTS Add-On	KYOCERA Corporation	2.3.3	10
EDK 1.2	Sony Ericsson Mobile Communi...	2.3.3	10
Android 3.0	Android Open Source Project	3.0	11
Google APIs	Google Inc.	3.0	11
Android 3.1	Android Open Source Project	3.1	12
Google APIs	Google Inc.	3.1	12
Android 3.2	Android Open Source Project	3.2	13
Google APIs	Google Inc.	3.2	13
Android 4.0	Android Open Source Project	4.0	14
Google APIs	Google Inc.	4.0	14
Android 4.0.3	Android Open Source Project	4.0.3	15
Google APIs	Google Inc.	4.0.3	15

Restore Defaults

Apply

OK

Cancel



Tạo ứng dụng HelloWorld

Select a wizard



Wizards:

type filter text

- Java Project
- Java Project from Existing Ant Buildfile
- Plug-in Project
- + General
- Android
 - Android Project
 - Android Sample Project
 - Android Test Project
- + CVS
- + Java
- + Plug-in Development
- + Examples



< Back

Next >

Finish

Cancel



Create Android Project

Select project name and type of project



Project Name:

- ☒ Create new project in workspace
- ☐ Create project from existing source
- ☐ Create project from existing sample

☒ Use default location

Location:

[Browse...](#)

Working sets

☐ Add project to working sets

Working sets:



[Select...](#)



< [Back](#)

[Next](#) >

[Finish](#)

[Cancel](#)

Select Build Target

Choose an SDK to target



Build Target

Target Name	Vendor	Platform	API Level
<input type="checkbox"/> Android 1.5	Android Open Source Project	1.5	3
<input type="checkbox"/> Google APIs	Google Inc.	1.5	3
<input type="checkbox"/> Android 2.1	Android Open Source Project	2.1	7
<input type="checkbox"/> Google APIs	Google Inc.	2.1	7
<input type="checkbox"/> Android 2.3.3	Android Open Source Project	2.3.3	10
<input type="checkbox"/> Google APIs	Google Inc.	2.3.3	10
<input type="checkbox"/> DTS Add-On	KYOCERA Corporation	2.3.3	10
<input type="checkbox"/> EDK 1.2	Sony Ericsson Mobile Communications AB	2.3.3	10
<input checked="" type="checkbox"/> Android 3.0	Android Open Source Project	3.0	11
<input type="checkbox"/> Google APIs	Google Inc.	3.0	11
<input type="checkbox"/> Android 3.1	Android Open Source Project	3.1	12
<input type="checkbox"/> Google APIs	Google Inc.	3.1	12
<input type="checkbox"/> Android 3.2	Android Open Source Project	3.2	13
<input type="checkbox"/> Google APIs	Google Inc.	3.2	13
<input type="checkbox"/> Android 4.0	Android Open Source Project	4.0	14
<input type="checkbox"/> Google APIs	Google Inc.	4.0	14
<input type="checkbox"/> Android 4.0.3	Android Open Source Project	4.0.3	15
<input type="checkbox"/> Google APIs	Google Inc.	4.0.3	15

Standard Android platform 3.0



< Back

Next >

Finish

Cancel



Application Info

Configure the new Android Project



Application Name: Hello World

Package Name: vn.test.activity

☒ Create Activity: TestActivity

Minimum SDK: 11

☐ Create a Test Project

Test Project Name: android_test-test

Test Application: Hello World Test

Test Package: vn.test.activity.test



< Back

Next >

Finish

Cancel

- android_test
 - src
 - vn.test.activity
 - TestActivity.java
 - gen [Generated Java Files]
 - Android 3.0
 - assets
 - bin
 - res
 - drawable-hdpi
 - ic_launcher.png
 - drawable-ldpi
 - ic_launcher.png
 - drawable-mdpi
 - ic_launcher.png
 - layout
 - main.xml
 - values
 - strings.xml
 - AndroidManifest.xml
 - proguard.cfg
 - project.properties



Hello World

Type here:

Fujinet

Cancel

OK

Fujinet



9:27



```
<?xml version="1.0" encoding="utf-8"?>
```

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent" >
```

```
<TextView
```

```
    android:id="@+id/label"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:text="Type here:" />
```

```
<EditText
```

```
    android:id="@+id/entry"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:layout_below="@id/label"
    android:background="@android:drawable/editbox_background"
    android:inputType="text"
    android:textColor="#000000" />
```

```
<Button
```

```
    android:id="@+id/ok"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentRight="true"
    android:layout_below="@id/entry"
    android:layout_marginLeft="10dip"
    android:text="OK"
    android:onClick="btnOk_Onclick" />
```

```
<Button
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignTop="@id/ok"
    android:layout_toLeftOf="@id/ok"
    android:text="Cancel" />
```

```
</RelativeLayout>
```

```
package vn.test.activity;
```

```
import android.app.Activity;
```

```
public class TestActivity extends Activity {
```

```
    /** Called when the activity is first created. */
```

```
    @Override
```

```
    public void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.main);
```

```
    }
```

```
    public void btnOk_Onclick(View v) {
```

```
        EditText txtEntry = (EditText) findViewById(R.id.entry);
```

```
        Toast.makeText(this, txtEntry.getText(), Toast.LENGTH_SHORT).show();
```

```
    }
```

```
}
```

Debug ứng dụng với Android Virtual Device





Package Explorer



- android_test
 - src
 - vn.test.activity
 - TestActivity.java
 - gen [Generated Java Files]
 - Android 3.0
 - assets
 - bin
 - res
 - drawable-hdpi
 - ic_launcher.png
 - drawable-ldpi
 - ic_launcher.png
 - drawable-mdpi
 - ic_launcher.png

- New Window
- New Editor

- Open Perspective ▶
- Show View ▶

- Customize Perspective...
- Save Perspective As...
- Reset Perspective...
- Close Perspective
- Close All Perspectives

- Navigation ▶

- Android SDK Manager
- AVD Manager
- ☒ Run Android Lint
- Preferences

List of existing Android Virtual Devices located at C:\Documents and Settings\triet-nm\android\avd

AVD Name	Target Name	Platform	API Level	CPU/ABI
--	No AVD available	--	--	

New...

Edit...

Delete...

Repair...

Details...

Start...

Refresh

- ✓ A valid Android Virtual Device.
- 📄 A repairable Android Virtual Device.
- ✗ An Android Virtual Device that failed to load. Click 'Details' to see the error.

Create new Android Virtual Device (AVD)

Name: AVD

Target: Android 3.0 - API Level 11

CPU/ABI: ARM (armeabi)

SD Card:

☒ Size: MiB

☐ File: Browse...

Snapshot:

☐ Enabled

Skin:

☒ Built-in: Default (WXGA)

☐ Resolution: x

Hardware:

Property	Value	
Abstracted LCD density	160	
Keyboard lid support	no	
Max VM application heap ...	48	
Device ram size	256	

New...

Delete

☐ Override the existing AVD with the same name

Create AVD

Cancel

List of existing Android Virtual Devices located at C:\Documents and Settings\triet-nm\android\avd

AVD Name	Target Name	Platform	API Level	CPU/ABI
✓ AVD	Android 3.0	3.0	11	ARM (armeabi)

New...

Edit...

Delete...

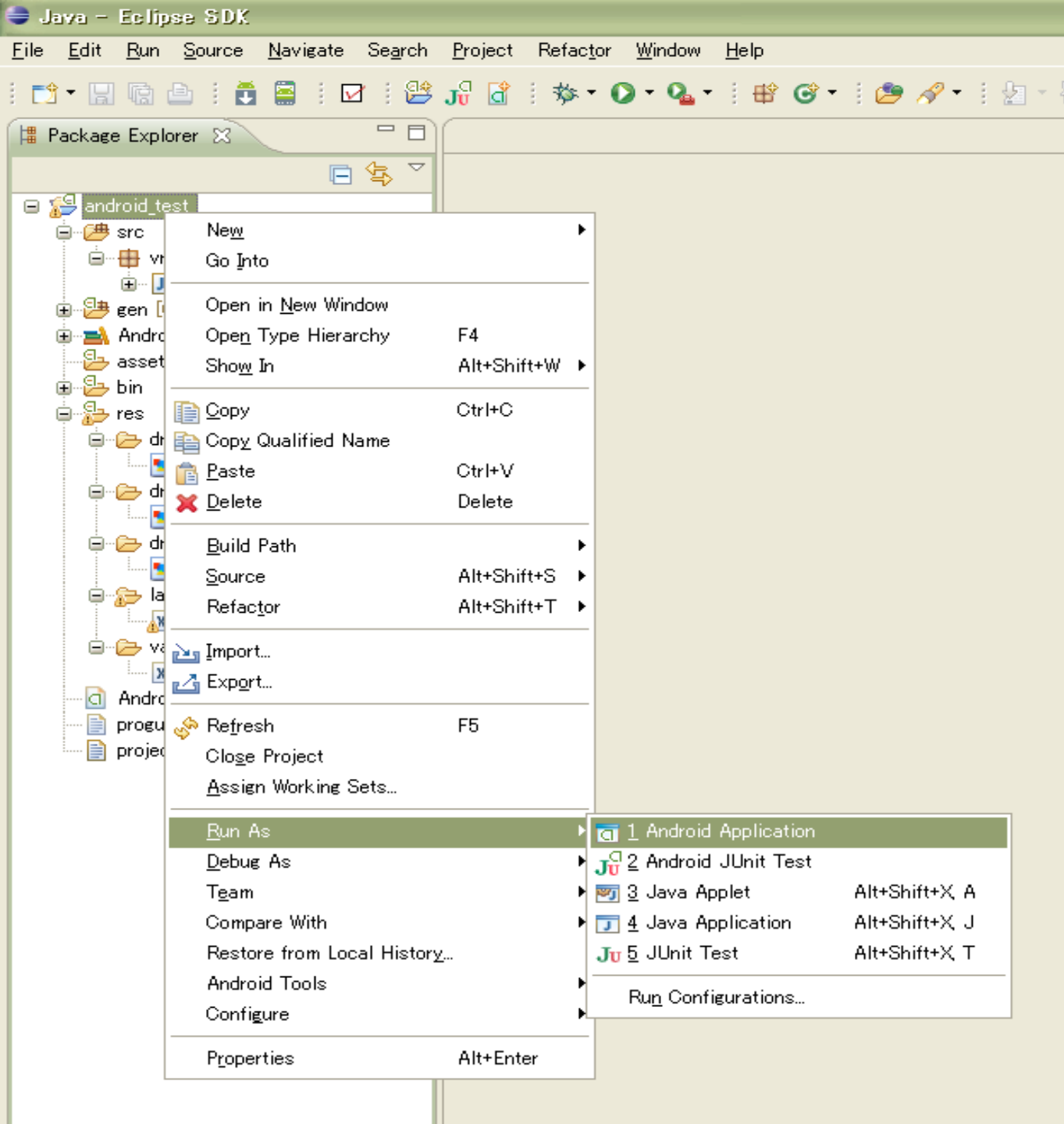
Repair...

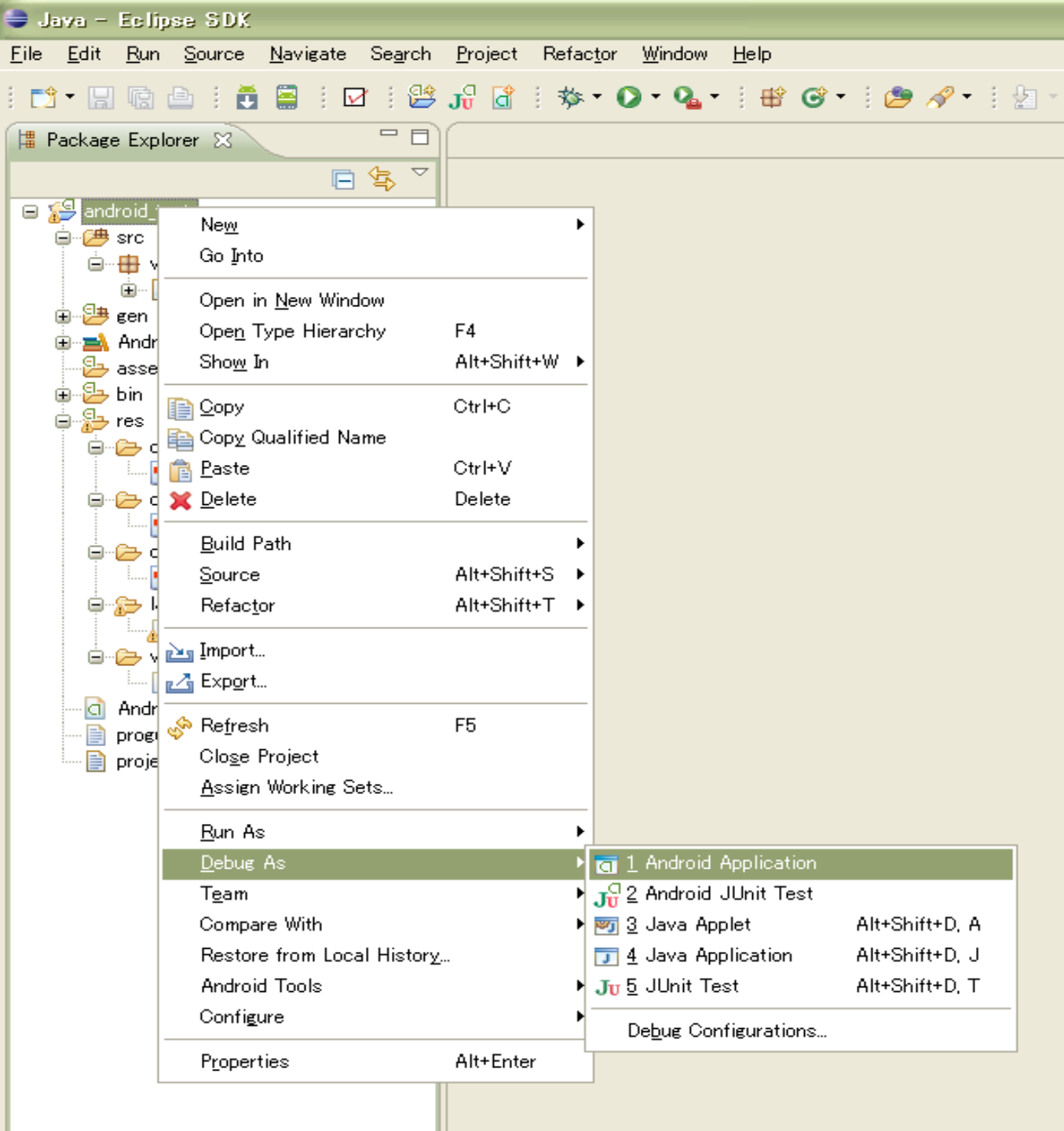
Details...

Start...

Refresh

- ✓ A valid Android Virtual Device.
- 🔧 A repairable Android Virtual Device.
- ✗ An Android Virtual Device that failed to load. Click 'Details' to see the error.





```
package vn.test.activity;
```

```
+ import android.app.Activity;
```

```
public class TestActivity extends Activity {
```

```
    /** Called when the activity is first created. */
```

```
    @Override
```

```
    public void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.main);
```

```
    }
```

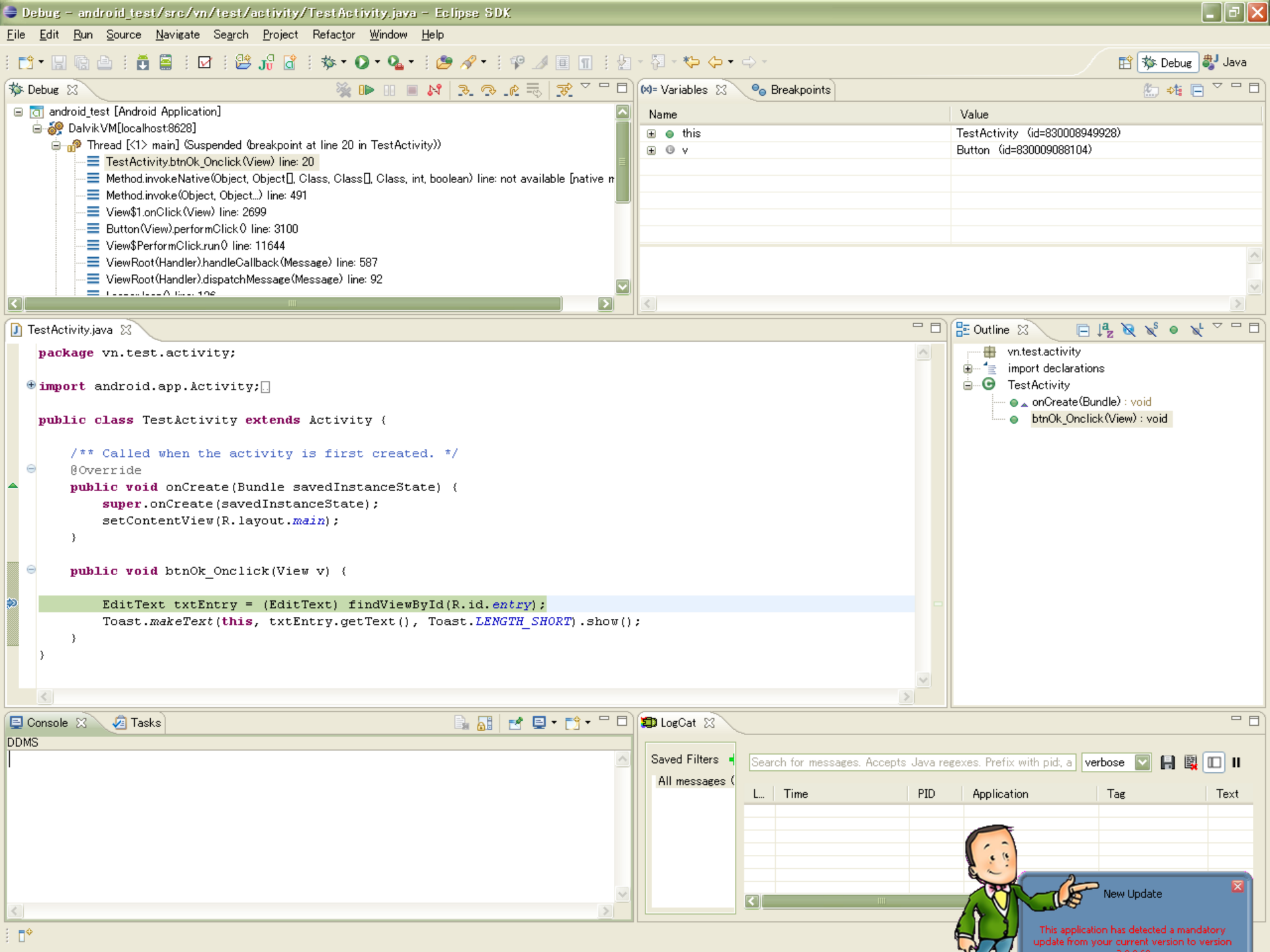
```
    public void btnOk_Onclick(View v) {
```

```
        EditText txtEntry = (EditText) findViewById(R.id.entry);
```

```
        Toast.makeText(this, txtEntry.getText(), Toast.LENGTH_SHORT).show();
```

```
    }
```

```
}
```



Debug ứng dụng với Virtual Box



Welcome to the New Virtual Machine Wizard!

This wizard will guide you through the steps that are necessary to create a new virtual machine for VirtualBox.

Use the **Next** button to go to the next page of the wizard and the **Back** button to return to the previous page. You can also press **Cancel** if you want to cancel the execution of this wizard.

< Back

Next >

Cancel

VM Name and OS Type

Enter a name for the new virtual machine and select the type of the guest operating system you plan to install onto the virtual machine.

The name of the virtual machine usually indicates its software and hardware configuration. It will be used by all VirtualBox components to identify your virtual machine.

Name

Test

OS Type

Operating System: Linux



Version: Other Linux



< Back

Next >

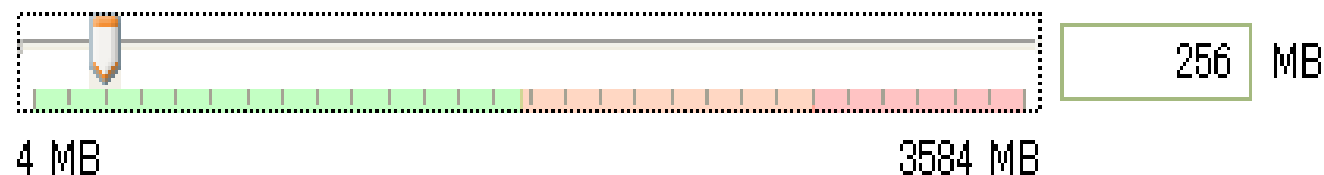
Cancel

Memory

Select the amount of base memory (RAM) in megabytes to be allocated to the virtual machine.

The recommended base memory size is **256 MB**.

Base Memory Size



< Back

Next >

Cancel

Virtual Hard Disk

If you wish you can now add a start-up disk to the new machine. You can either create a new virtual disk or select one from the list or from another location using the folder icon.

If you need a more complex virtual disk setup you can skip this step and make the changes to the machine settings once the machine is created.

The recommended size of the start-up disk is **8.00 GB**.

☒ **Start-up Disk**

☒ Create new hard disk

☐ Use existing hard disk

STS-Android.vdi (Normal, 8.00 GB)



< Back

Next >

Cancel

Welcome to the virtual disk creation wizard

This wizard will help you to create a new virtual disk for your virtual machine.

Use the **Next** button to go to the next page of the wizard and the **Back** button to return to the previous page. You can also press **Cancel** if you want to cancel the execution of this wizard.

Please choose the type of file that you would like to use for the new virtual disk. If you do not need to use it with other virtualization software you can leave this setting unchanged.

File type

- ☒ VDI (VirtualBox Disk Image)
- ☐ VMDK (Virtual Machine Disk)
- ☐ VHD (Virtual Hard Disk)
- ☐ HDD (Parallels Hard Disk)

< Back

Next >

Cancel



Virtual disk storage details

Please choose whether the new virtual disk file should be allocated as it is used or if it should be created fully allocated.

A **dynamically allocated** virtual disk file will only use space on your physical hard disk as it fills up, although it will not shrink again automatically when space on it is freed.

A **fixed size** virtual disk file may take longer to create on some systems but is often faster to use.

Storage details

- ☒ Dynamically allocated
- ☐ Fixed size

< Back

Next >

Cancel

Virtual disk file location and size

Please type the name of the new virtual disk file into the box below or click on the folder icon to select a different folder to create the file in.

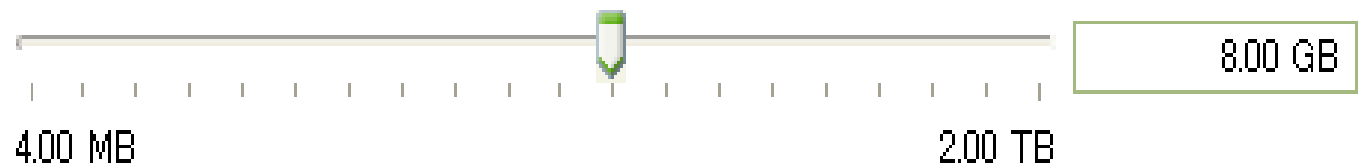
Location

Test



Select the size of the virtual disk in megabytes. This size will be reported to the Guest OS as the maximum size of this virtual disk.

Size



< Back

Next >

Cancel

Summary

You are going to create a new virtual disk with the following parameters:

File type: VDI (VirtualBox Disk Image)
Details: Dynamically allocated storage
Location: E:\Virtual Machine\Test\Test.vdi
Size: 8.00 GB (8589934592 B)

If the above settings are correct, press the **Create** button. Once you press it the new virtual disk file will be created.

< Back

Create

Cancel

Summary

You are going to create a new virtual machine with the following parameters:

Name: Test
 OS Type: Other Linux
 Base Memory: 256 MB
 Start-up Disk: Test.vdi (Normal, 8.00 GB)

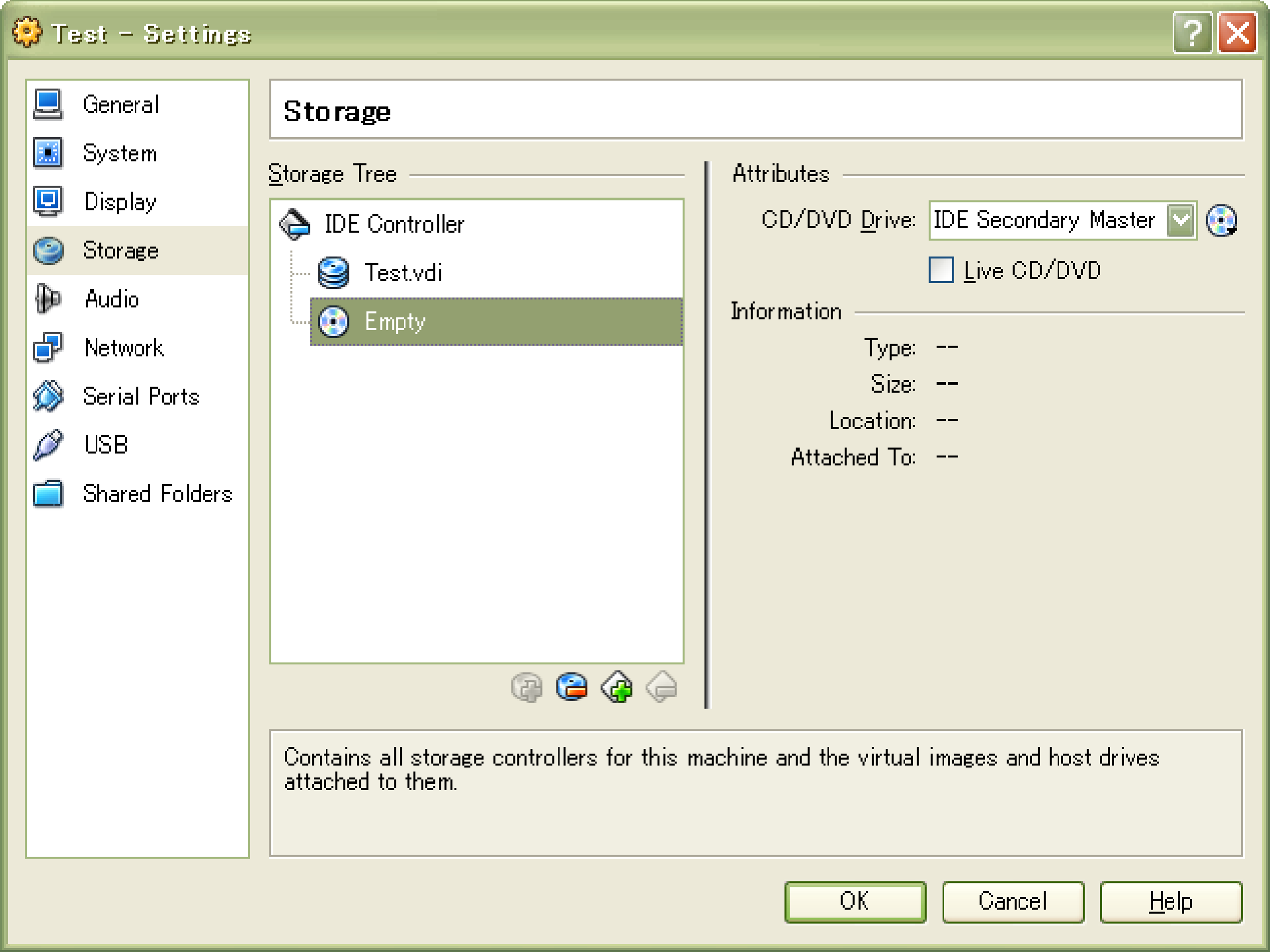
If the above is correct press the **Create** button. Once you press it, a new virtual machine will be created.

Note that you can alter these and all other setting of the created virtual machine at any time using the **Settings** dialog accessible through the menu of the main window.

< Back

Create


Cancel









-  General
-  System
-  Display
-  Storage
-  Audio
-  Network
-  Serial Ports
-  USB
-  Shared Folders

Storage



Storage Tree

 IDE Controller

-  Test.vdi
-  Empty

Attributes

CD/DVD Drive: IDE Secondary Master  

☐ Live CD/DVD

Information

Type: --

Size: --

Location: --

Attached To: --

Contains all storage controllers for this machine and the virtual images and host drives attached to them.

ファイルの場所①:

Virtual Machine

←

📁

🔍

📅

- 
最近使ったファイル
- 
デスクトップ
- 
マイ ドキュメント
- 
マイ コンピュータ
- 
マイ ネットワーク

- 📁 STS-Android
- 📁 Test
- 📁 winsvr-2003-std-eng - 172.16.3.159 - 172.16.3.17
-  android-x86-3.2-RC2-eeepc.iso

ファイル名(N): android-x86-3.2-RC2-eeepc.iso

ファイルの種類(T): All CD/DVD-ROM disk images (*.dmg *.iso *.cdr)

開く(O)

キャンセル

eclair-x86
How to boot the Android-x86 Live-CD when you have problems with your graphiccard

Releases

ReleaseNote 3.2 RC2
ReleaseNote 2.2-r2
ReleaseNote 2.2
ReleaseNote 1.6-r2
ReleaseNote 1.6
Build 20120101
Build 20110828
Build 20110101
Build 20100812
Build 20100115
Build 20091113
Build 20091024
Build 20090916
Build 20090820
ReleaseNote v0.9

Contact Us

Resources

Sitemap

Recent site activity

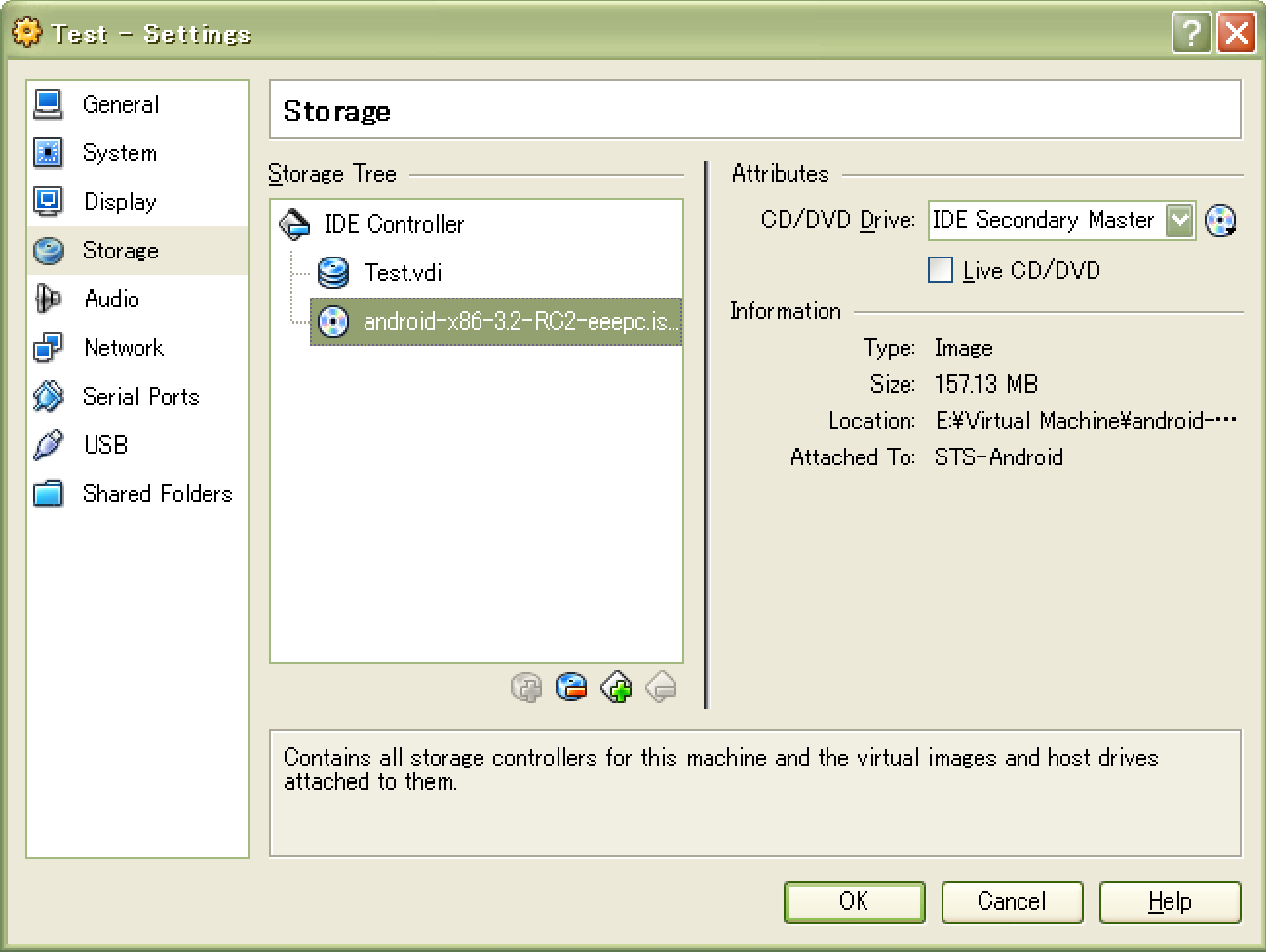
Links

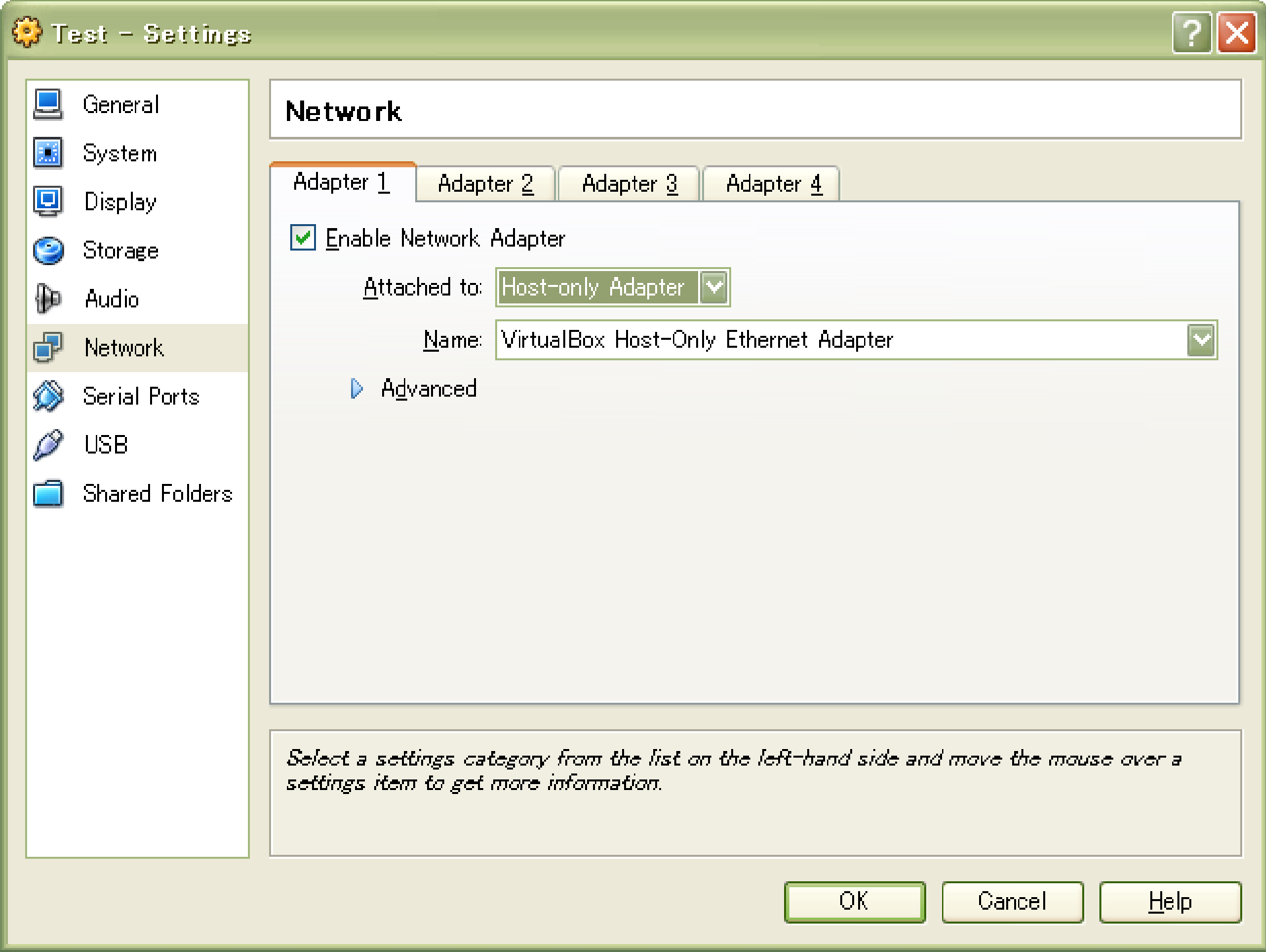
Nightly build server
Google code project
SourceForge project
Browse the source
Discussion group
Issues tracker
Blog beyounn
Blog cwhuang
Blog android-x86
Twitter android_x86
RSS for main page

Developers

Google apps
Google sites
Google mails
Google docs
Google calendar
Google analytics

Android-x86-2.2-r2					
<input type="checkbox"/>	android-x86-2.2-r2-asus_laptop.iso	Android-x86 2.2-r2 live & installation iso for ASUS laptops/tablets	Nov 23, 2011 4:41 AM	Chih-Wei Huang	
<input type="checkbox"/>	android-x86-2.2-r2-eeepc.iso	Android-x86 2.2-r2 live & installation iso for netbooks like ASUS Eee PC	Nov 23, 2011 4:41 AM	Chih-Wei Huang	
<input type="checkbox"/>	android-x86-2.2-r2-motion_m1400.iso	Android-x86 2.2-r2 live & installation iso for Motion M1400 Tablet PC	Nov 23, 2011 4:41 AM	Chih-Wei Huang	
<input type="checkbox"/>	android-x86-2.2-r2-s103t.iso	Android-x86 2.2-r2 live & installation iso for Lenovo Ideapad S10-3T	Nov 23, 2011 4:41 AM	Chih-Wei Huang	
<input type="checkbox"/>	android-x86-2.2-r2-sparta.iso	Android-x86 2.2-r2 live & installation iso for Dell Inspiron Mini Duo platform	Nov 23, 2011 4:41 AM	Chih-Wei Huang	
<input type="checkbox"/>	android-x86-2.2-r2-tegav2.iso	Android-x86 2.2-r2 live & installation iso for atom tablets like Tegav2/Viewpad10	Nov 23, 2011 4:41 AM	Chih-Wei Huang	
<input type="checkbox"/>	android-x86-2.2-r2-bx2500.iso	Android-x86 2.2-r2 live & installation iso for HP Pavilion bx2500	Nov 23, 2011 4:41 AM	Chih-Wei Huang	
Android-x86-2.3-RC1					
<input type="checkbox"/>	android-x86-2.3-RC1-asus_laptop.iso	Android-x86 2.3-RC1 live & installation iso for ASUS laptops/tablets.	Nov 23, 2011 4:42 AM	Chih-Wei Huang	
<input type="checkbox"/>	android-x86-2.3-RC1-eeepc.iso	Android-x86 2.3-RC1 live & installation iso for netbooks like ASUS Eee PC.	Nov 23, 2011 4:42 AM	Chih-Wei Huang	
<input type="checkbox"/>	android-x86-2.3-RC1-tegav2.iso	Android-x86 2.3-RC1 live & installation iso for atom tablets like Tegav2.	Nov 23, 2011 4:42 AM	Chih-Wei Huang	
<input type="checkbox"/>	android-x86-2.3-RC1-bx2500.iso	Android-x86 2.3-RC1 live & installation iso for HP Pavilion bx2500.	Nov 23, 2011 4:42 AM	Chih-Wei Huang	
<input type="checkbox"/>	android-x86-2.3-RC2-amd_persimmon.iso	Android-x86 2.3-RC2 live & installation iso for AMD persimmon platform.	Nov 23, 2011 4:42 AM	Chih-Wei Huang	
Android-x86-3.2-RC2					
<input type="checkbox"/>	android-x86-3.2-RC2-amd_brazos.iso	Android-x86 3.2-RC2 live and installation iso for AMD Brazos platform like MSI 110W tablet	Nov 23, 2011 4:40 AM	Chih-Wei Huang	
<input type="checkbox"/>	android-x86-3.2-RC2-asus_laptop.iso	Android-x86 3.2-RC2 live and installation iso for some ASUS Laptops/Tablets	Nov 23, 2011 4:40 AM	Chih-Wei Huang	
<input type="checkbox"/>	android-x86-3.2-RC2-eeepc.iso	Android-x86 3.2-RC2 live and installation iso for ASUS Eee PC family	Nov 23, 2011 4:40 AM	Chih-Wei Huang	
<input type="checkbox"/>	android-x86-3.2-RC2-tegav2.iso	Android-x86 3.2-RC2 live and installation iso for Tegatech Tegav2	Nov 23, 2011 4:40 AM	Chih-Wei Huang	
Android-x86-4.0-devel					
<input type="checkbox"/>	android-x86-4.0-amd_brazos-20120101.iso	Android-x86 4.0-devel live and installation iso	Jan 1, 2012 11:11 AM	Chih-Wei Huang	
<input type="checkbox"/>	android-x86-4.0-asus_laptop-20120101.iso	Android-x86 4.0-devel live and installation iso	Jan 1, 2012 11:11 AM	Chih-Wei Huang	





General



System



Display



Storage



Audio



Network



Serial Ports



USB



Shared Folders

Network

Adapter 1

Adapter 2

Adapter 3

Adapter 4

☒ Enable Network Adapter

Attached to: Host-only Adapter

Name: VirtualBox Host-Only Ethernet Adapter

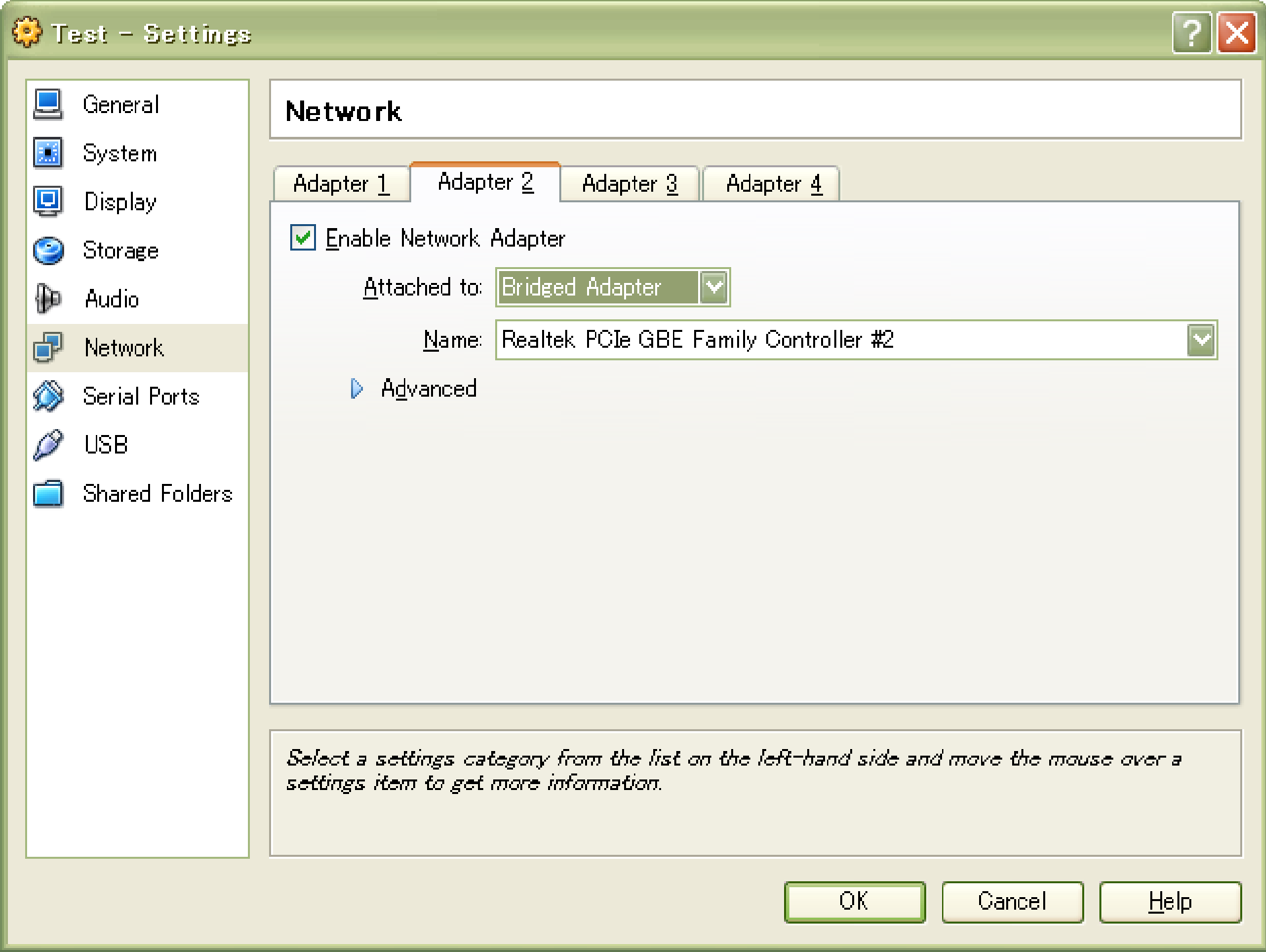
▶ Advanced

Select a settings category from the list on the left-hand side and move the mouse over a settings item to get more information.

OK

Cancel

Help



Network

Adapter 1

Adapter 2

Adapter 3

Adapter 4

☒ Enable Network Adapter

Attached to: Bridged Adapter

Name: Realtek PCIe GBE Family Controller #2

▶ Advanced

Select a settings category from the list on the left-hand side and move the mouse over a settings item to get more information.

OK

Cancel

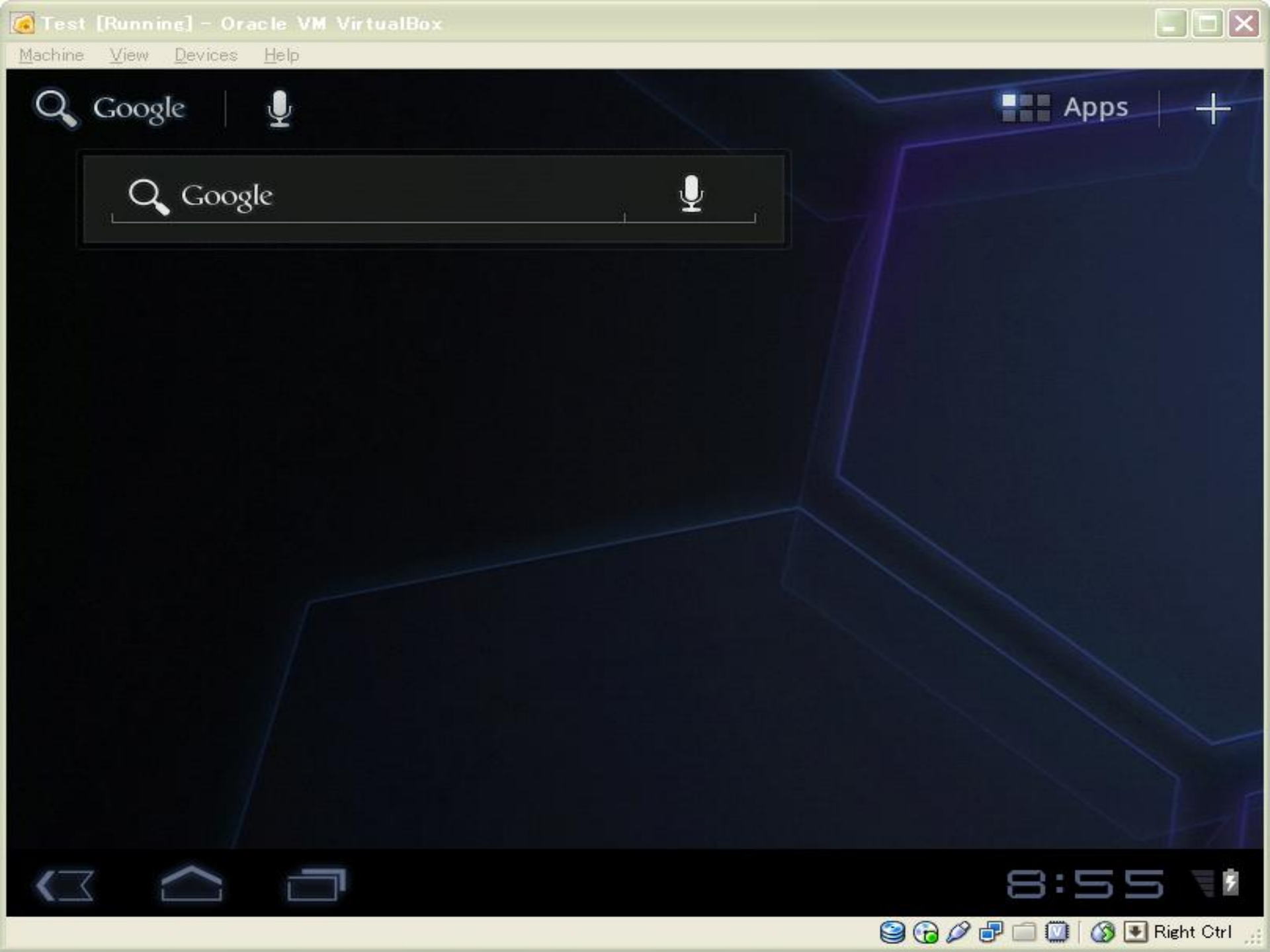
Help

Android-x86 Live & Installation CD 2011-11-13

Live CD - Run Android-x86 without installation (MDPI)Live CD - **U**ESA modeLive CD - **D**ebug modeInstallation - **I**nstall Android-x86 to harddisk

Press [Tab] to edit options

Automatic boot in 54 seconds



```

A N D R O I D root@eeepc:/ # netcfg
lo      UP      127.0.0.1/8    0x00000049 00:00:00:00:00:00
eth0    DOWN    0.0.0.0/0      0x00001002 08:00:27:c3:f7:1f
eth1    DOWN    0.0.0.0/0      0x00001002 08:00:27:1f:6e:64
root@eeepc:/ # ifconfig eth0 192.168.56.2 netmask 255.255.255.0
root@eeepc:/ # ifconfig eth1 172.16.3.202 netmask 255.255.240.0
root@eeepc:/ # netcfg
lo      UP      127.0.0.1/8    0x00000049 00:00:00:00:00:00
eth0    UP      192.168.56.2/24 0x00001043 08:00:27:c3:f7:1f
eth1    UP      172.16.3.202/20 0x00001043 08:00:27:1f:6e:64
root@eeepc:/ #
```

#netcfg

#ifconfig eth0 192.168.56.2 netmask 255.255.255.0

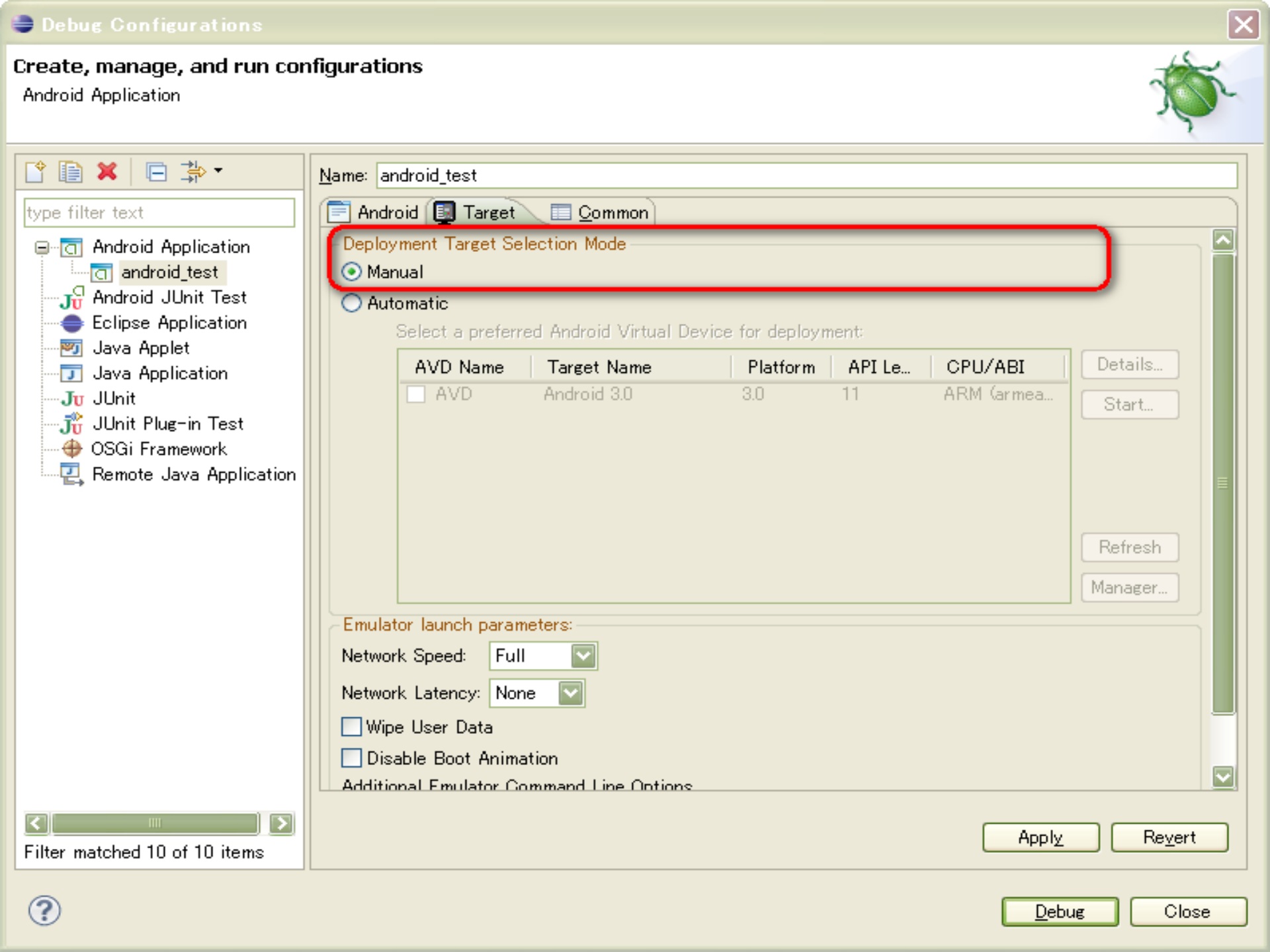
#ifconfig eth1 172.16.3.202 netmask 255.255.240.0

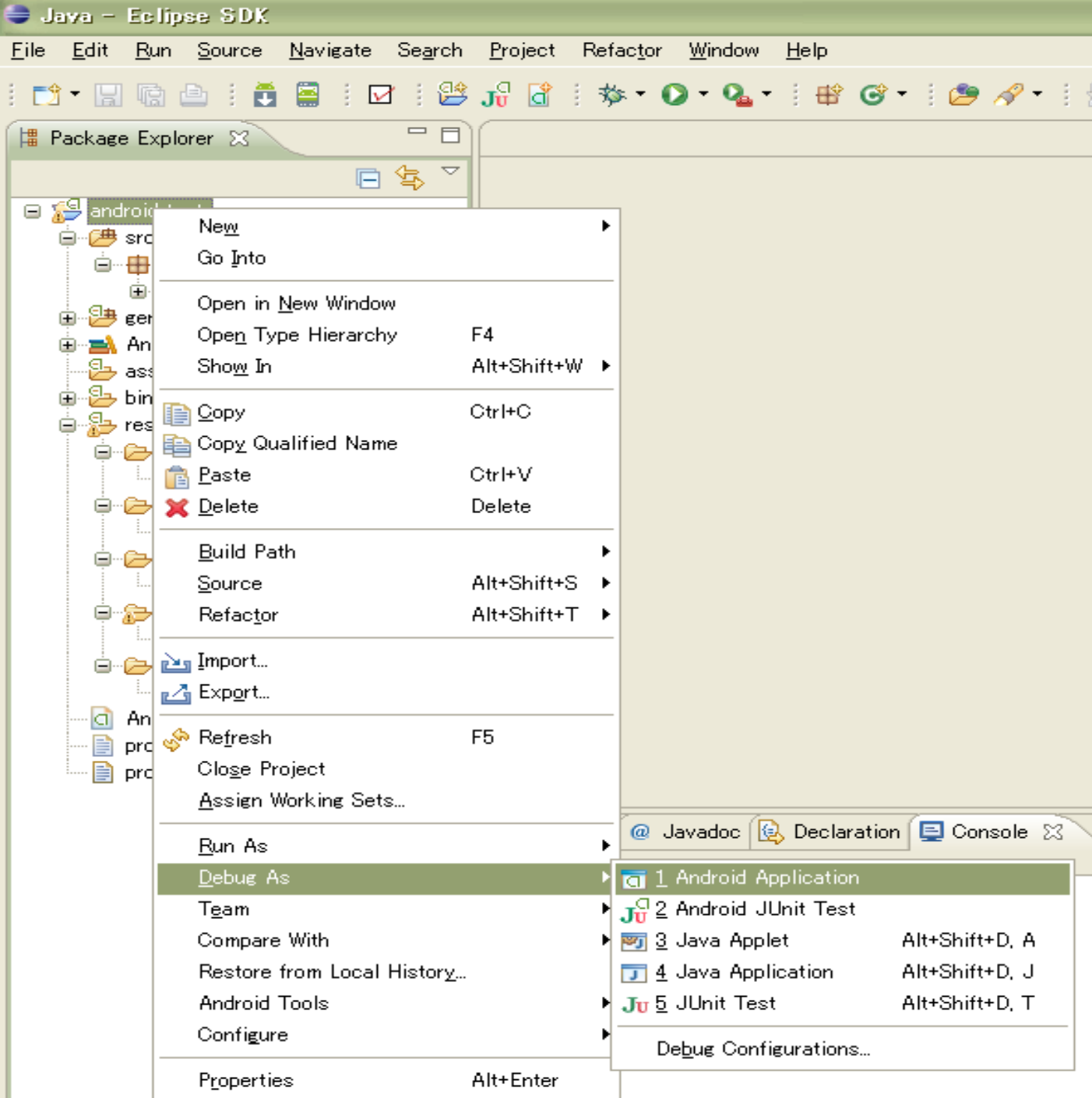
Alt + F1

Alt + F7

```
C:\WINDOWS\system32\cmd.exe
E:\Virtual Machine>E:/Tool/android-sdk-windows/platform-tools/adb kill-server
E:\Virtual Machine>E:/Tool/android-sdk-windows/platform-tools/adb connect 192.168.56.2
* daemon not running. starting it now on port 5037 *
* daemon started successfully *
connected to 192.168.56.2:5555
E:\Virtual Machine>pause
続行するには何かキーを押してください . . .
```



android-sdk-windows/platform-tools/adb kill-server
android-sdk-windows/platform-tools/adb connect 192.168.56.2





Select a device compatible with target Android 3.0.

☒ Choose a running Android device

Serial Number	AVD Name	Target	Debug	State	
 192.168.56.2:5555	N/A	 322	Yes	Online	

☐ Launch a new Android Virtual Device

AVD Name	Target Name	Platform	API Level	CPU/ABI
AVD	Android 3.0	3.0	11	ARM (armeabi)

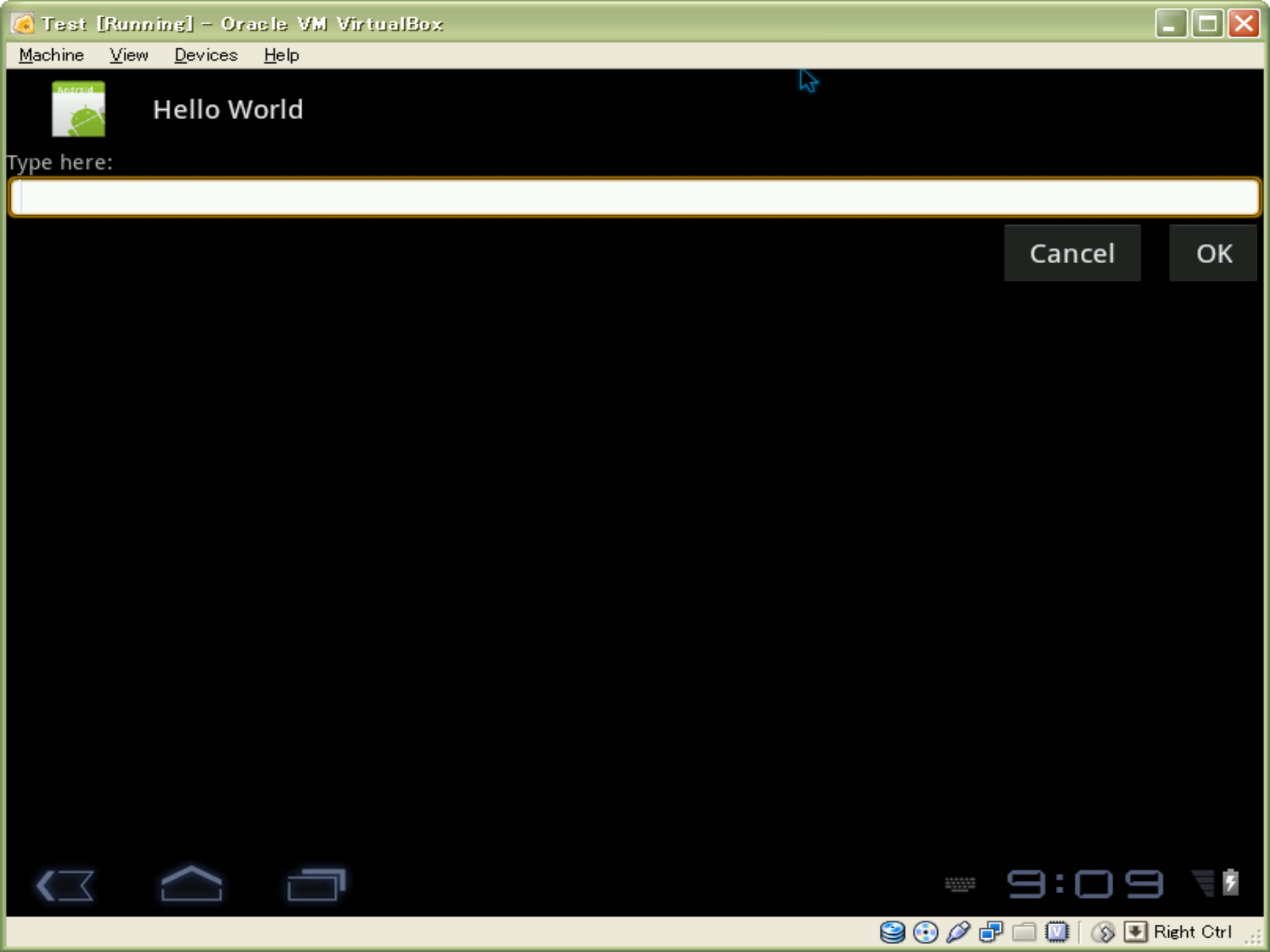
Details...

Start...

Refresh

Manager...

☐ Use same device for future launches





Debug ứng dụng với Acer ICONIA TAB A500



Chuẩn bị môi trường

- Cài đặt Windows Media Player 11.
- Cài đặt driver của tablet.



Settings

Wireless & networks

Sound

Dolby Mobile

Screen

Location & security

Applications

Accounts & sync

Privacy

Storage

Language & input

Accessibility

Date & time

About tablet

Applications | Development

USB debugging

Debug mode when USB is connected



Stay awake

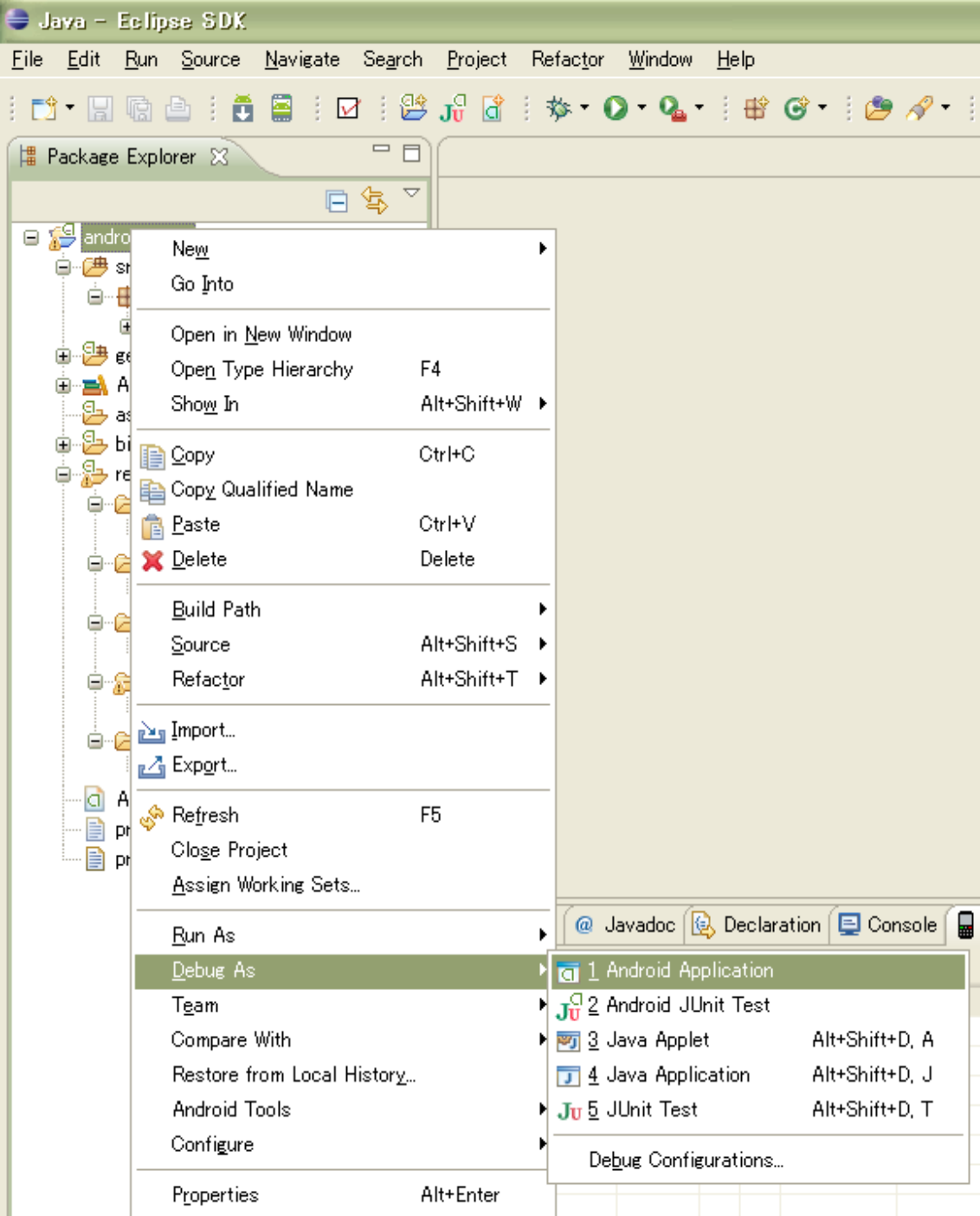
Screen will never sleep while charging



Allow mock locations



Allow mock locations





Select a device compatible with target Android 3.0.

☒ Choose a running Android device

Serial Number	AVD Name	Target	Debug	State	
 37c700941814497	N/A	 3.1		Online	

☐ Launch a new Android Virtual Device

AVD Name	Target Name	Platform	API Level	CPU/ABI
AVD	Android 3.0	3.0	11	ARM (armeabi)

Details...

Start...

Refresh

Manager...

☐ Use same device for future launches



Hello World

Type here:

Fujinet

Cancel

OK

Fujinet



17:11



THANK YOU