Open handset alliance

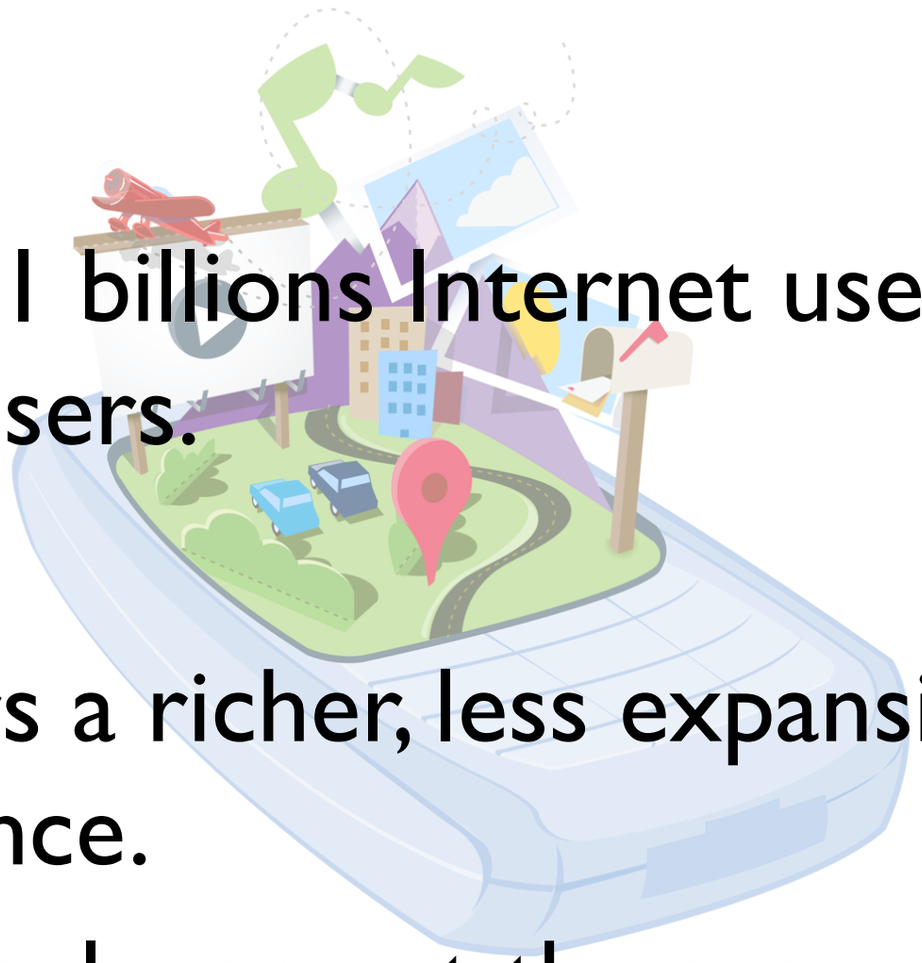
by Delaire Jonathan

Plan

- Description
- Alliance overview
- Android
- Developers

All informations for this presentation are from http://www.openhandsetalliance.com .

Description



- 1.5 billions TV, 1 billions Internet users but 3 billions mobile phone users.
- Common goal.
- Offer cusomers a richer, less expansive, and better mobile experience.
- Commercial deployement the second half 2008.

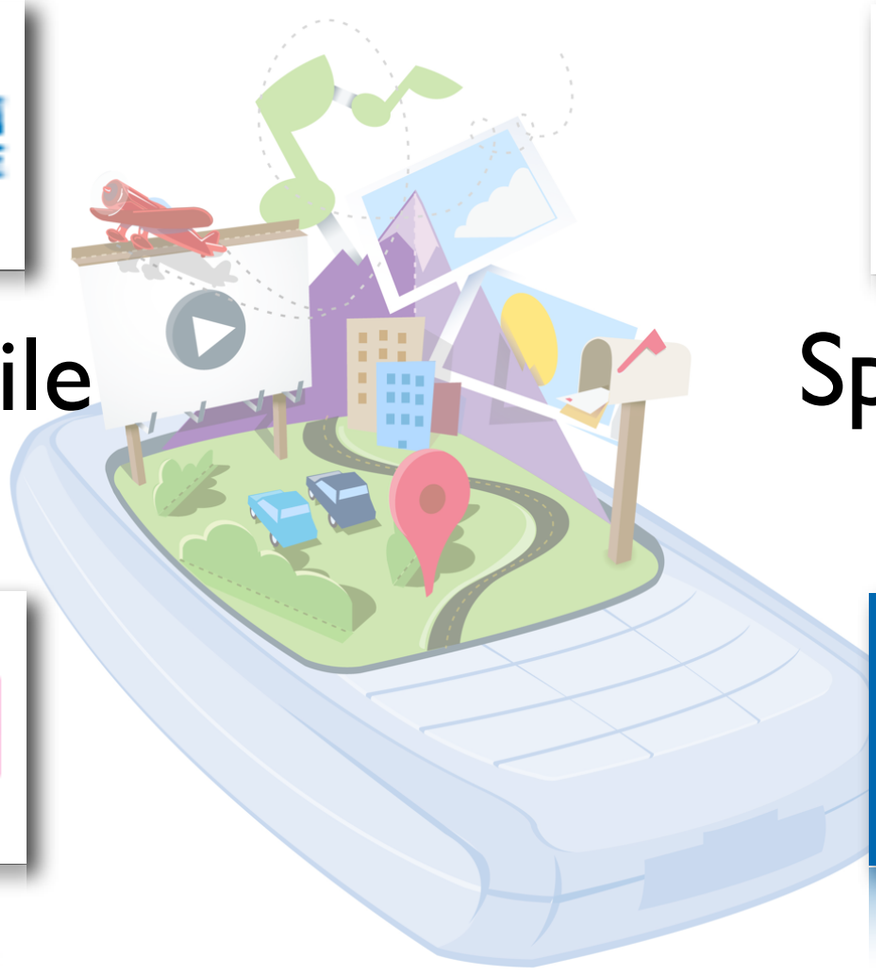
Alliance overview

- The Alliance will regroup compagnies from those activity fields:
  - -Mobile Operators
  - -Semiconductor Companies
  - -Handset Manufacturers
  - -Software Companies
  - -Commercialization Companies

Alliance overview

Alliance overview

China Mobile



Sprint Nextel

T-Mobile

Telefonica

Mobile Operators

Alliance overview

Alliance overview

Intel Corporation

NVIDIA Corporation

Marvell Semiconductor, Inc.

Texas Instruments

Semiconductor Compagnies

Alliance overview

Alliance overview

HTC Corporation

LG Electronics

Motorola, Inc.

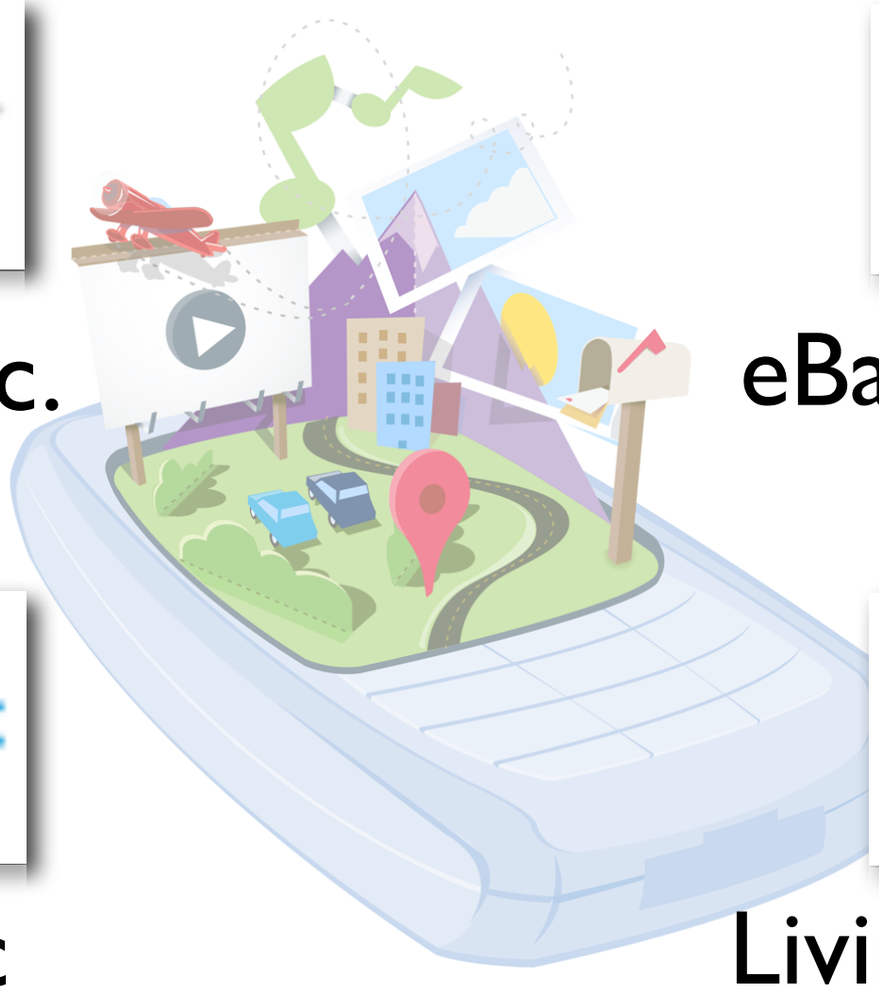
Samsung Electronics

Handset Manufacturers

Alliance overview

Alliance overview

Google, Inc.



eBay, Inc. Nextel

Esmertec

Livingimage LTD.

Software Compagnies

Android

Android

Open.

All applications are equal.

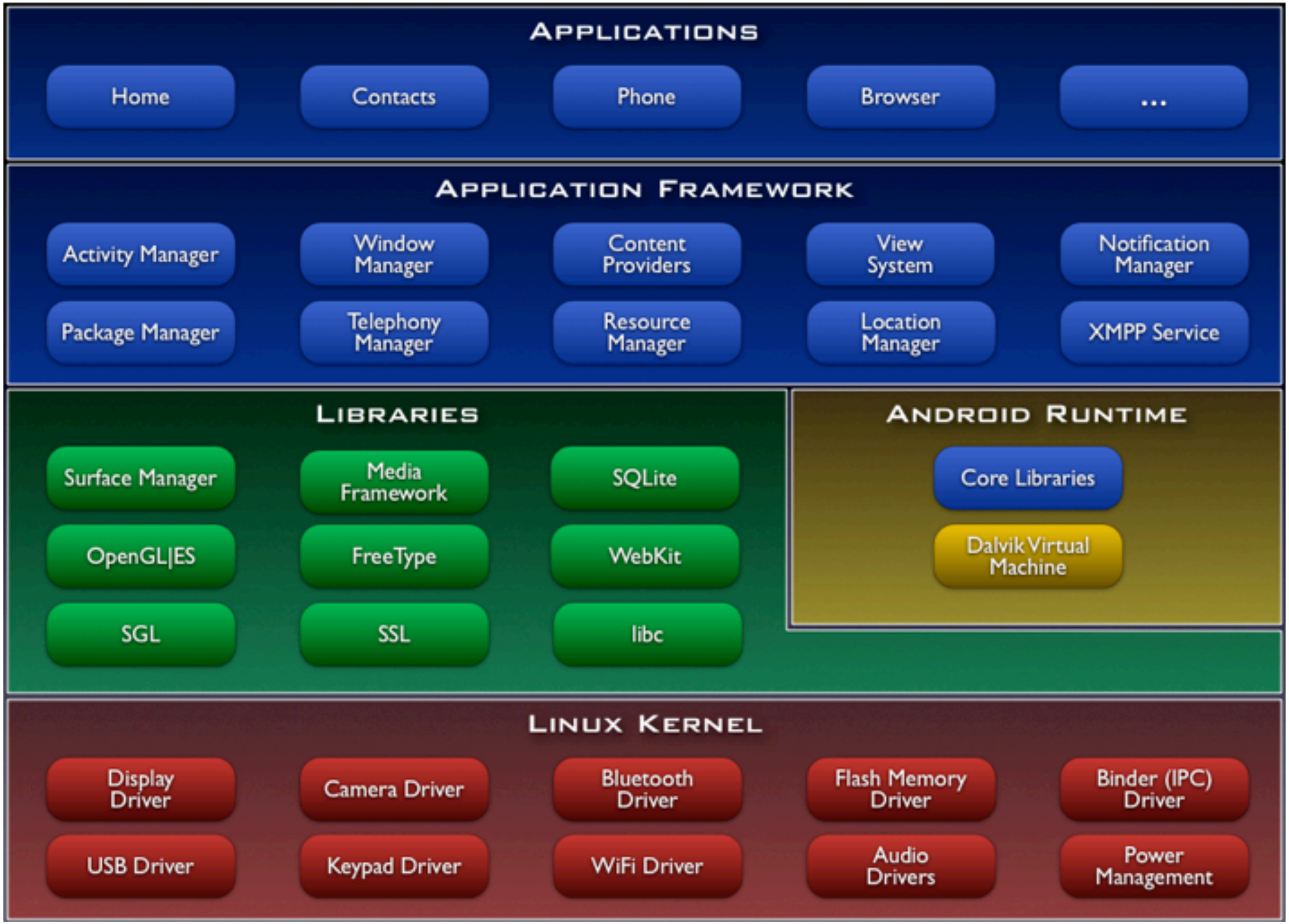
Breaking down boundaries.

Fast & easy development.

What is Android?

- A software stack for mobile devices.
- Includes an operating system, middleware and key applications.
- Use the Java programming language.

Android Architecture



Applications

Android will ship with a set of core applications like :

- Email client
- SMS program
- Calendar
- Maps
- Browser and others...

Applications framework

Developers have full access to the same framework APIs used by the core applications, like:

- Content Providers
- Ressource Manager
- Notification Manager
- Activity Manager

Libraries

Android includes a set of C/C++ libraries used by various components of the Android system.

Android Runtime

- Every Android applications runs in it's process.
- The Dalvik VM is a Java VM optimized for minimal memory footprint.
- Dalvik VM relies on the Linux kernel for low-level management.

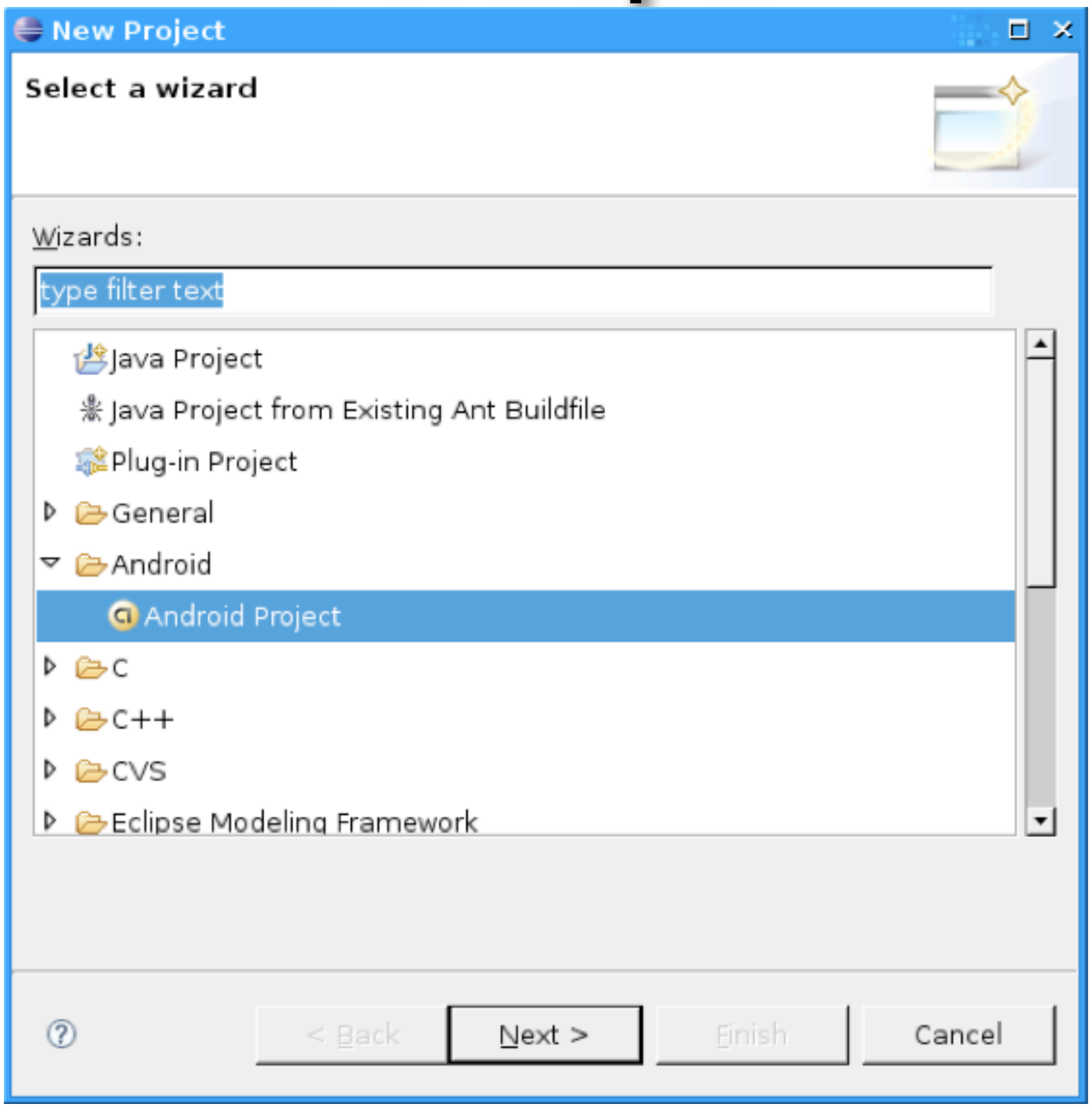
Linux Kernel

- Android relies on Linux version 2.6

Developer

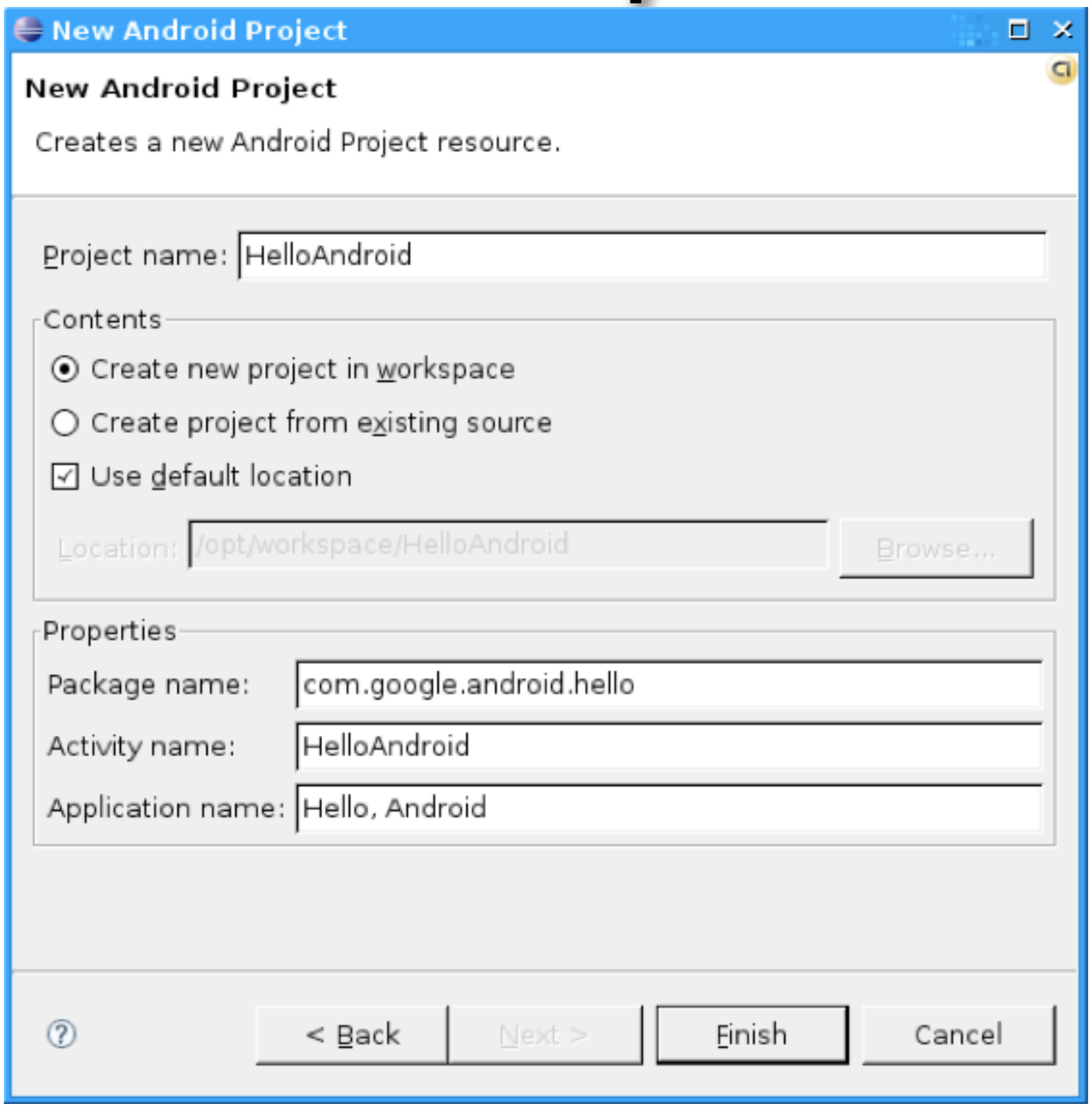
- There is now a SDK avaible for Android.
- There is a Eclipse Plugin aivaible too.
- All these are avaible from http://code.google.com/android/ .

Developer



The famous 'Hello World' tutorial

Developer



The famous 'Hello World' tutorial

Developer

```
public class HelloAndroid extends Activity
{
    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle icicle)
    {
        super.onCreate(icicle);
        setContentView(R.layout.main);
    }
}
```

The famous 'Hello World' tutorial

Developer

```
public class HelloAndroid extends Activity {
    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle icicle) {
        super.onCreate(icicle);
        TextView tv = new TextView(this);
        tv.setText("Hello, Android");
        setContentView(tv);
    }
}
```

The famous 'Hello World' tutorial

Developer

Here's how you construct a TextView:

```
TextView tv = new TextView(this);
```

Once we've constructed the TextView, we need to tell it what to display:

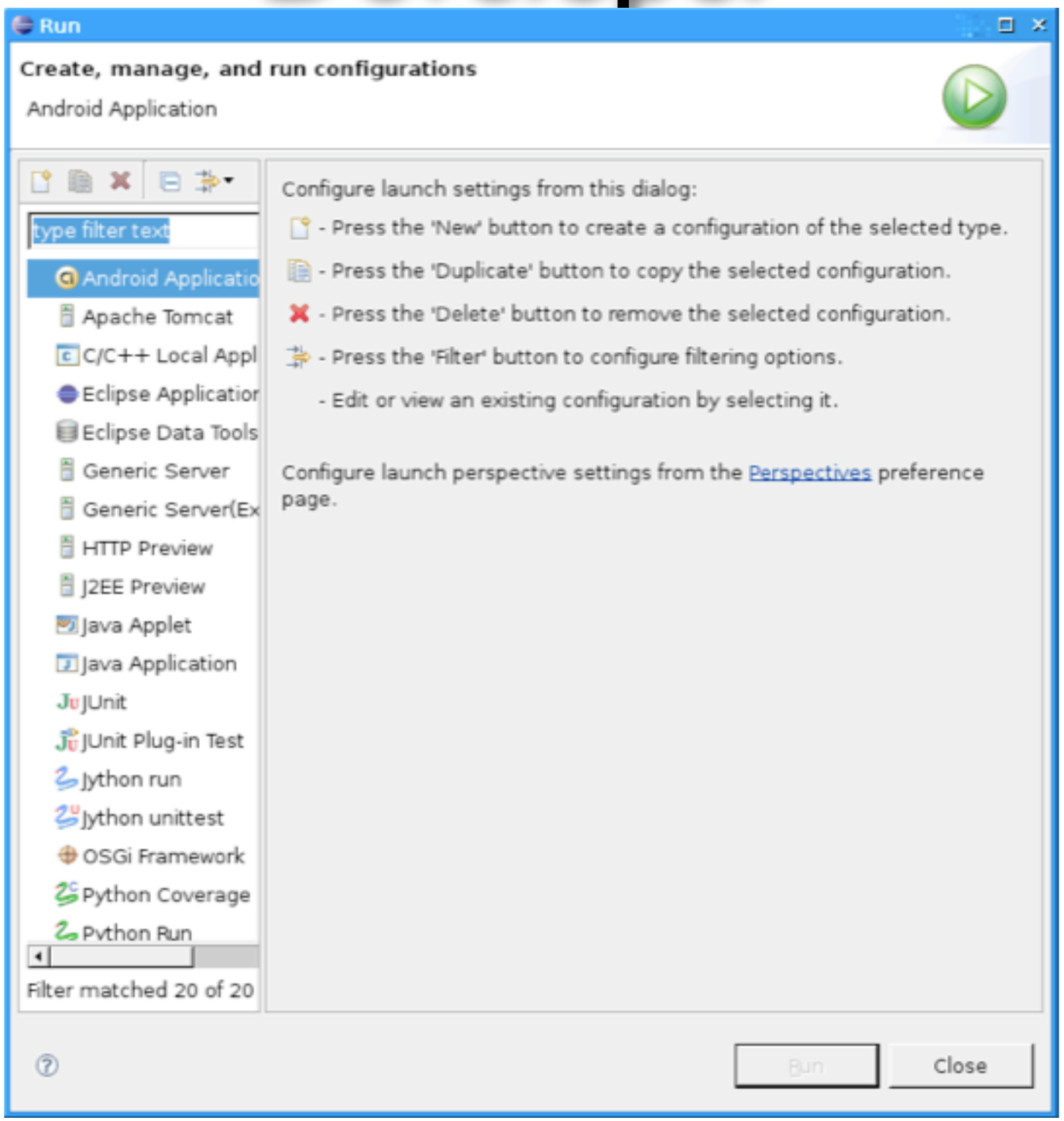
```
tv.setText("Hello, Android");
```

Now we need to tell the system to display it:

```
setContentView(tv);
```

The famous 'Hello World' tutorial

Developer



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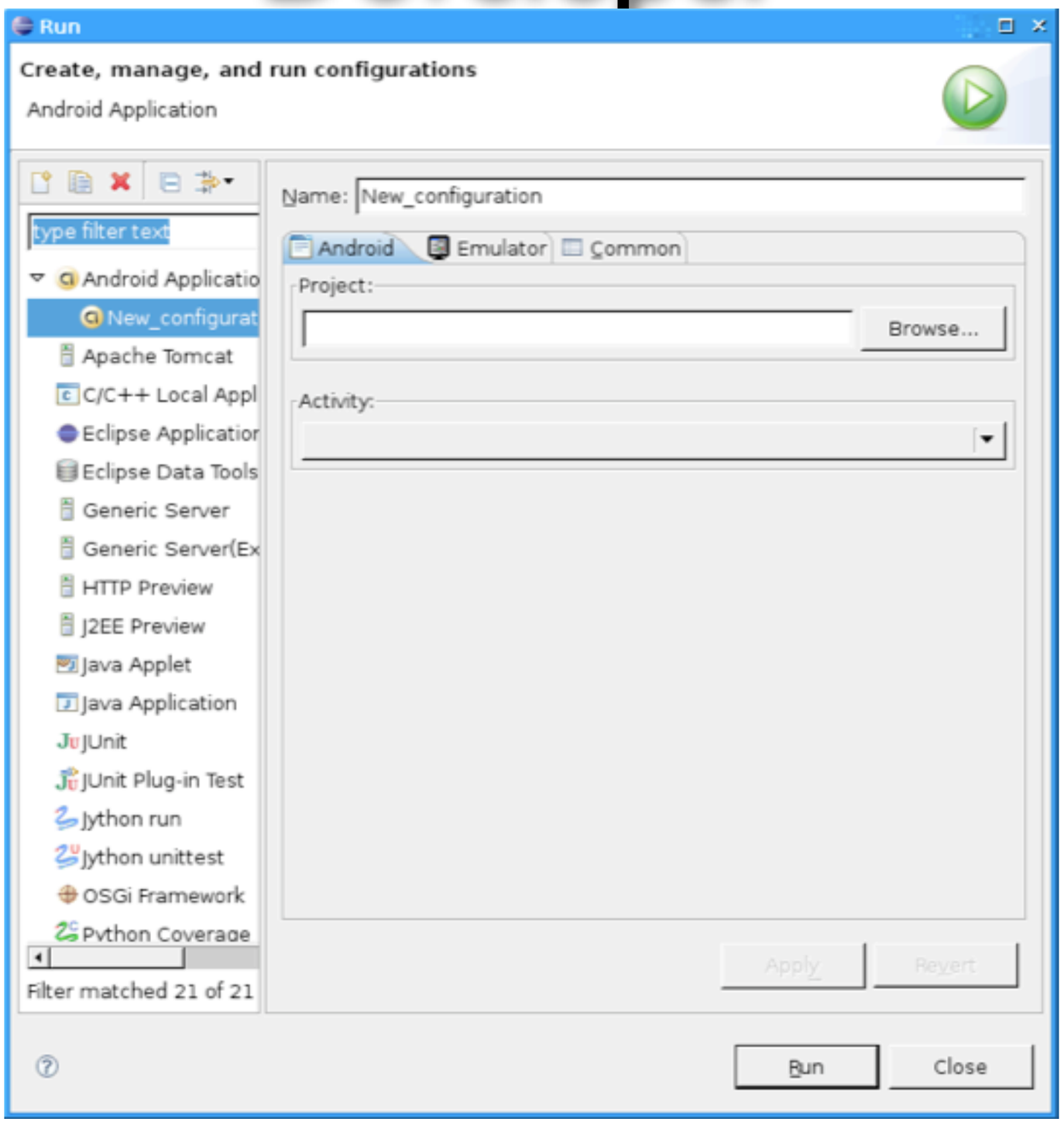

The famous 'Hello World' tutorial

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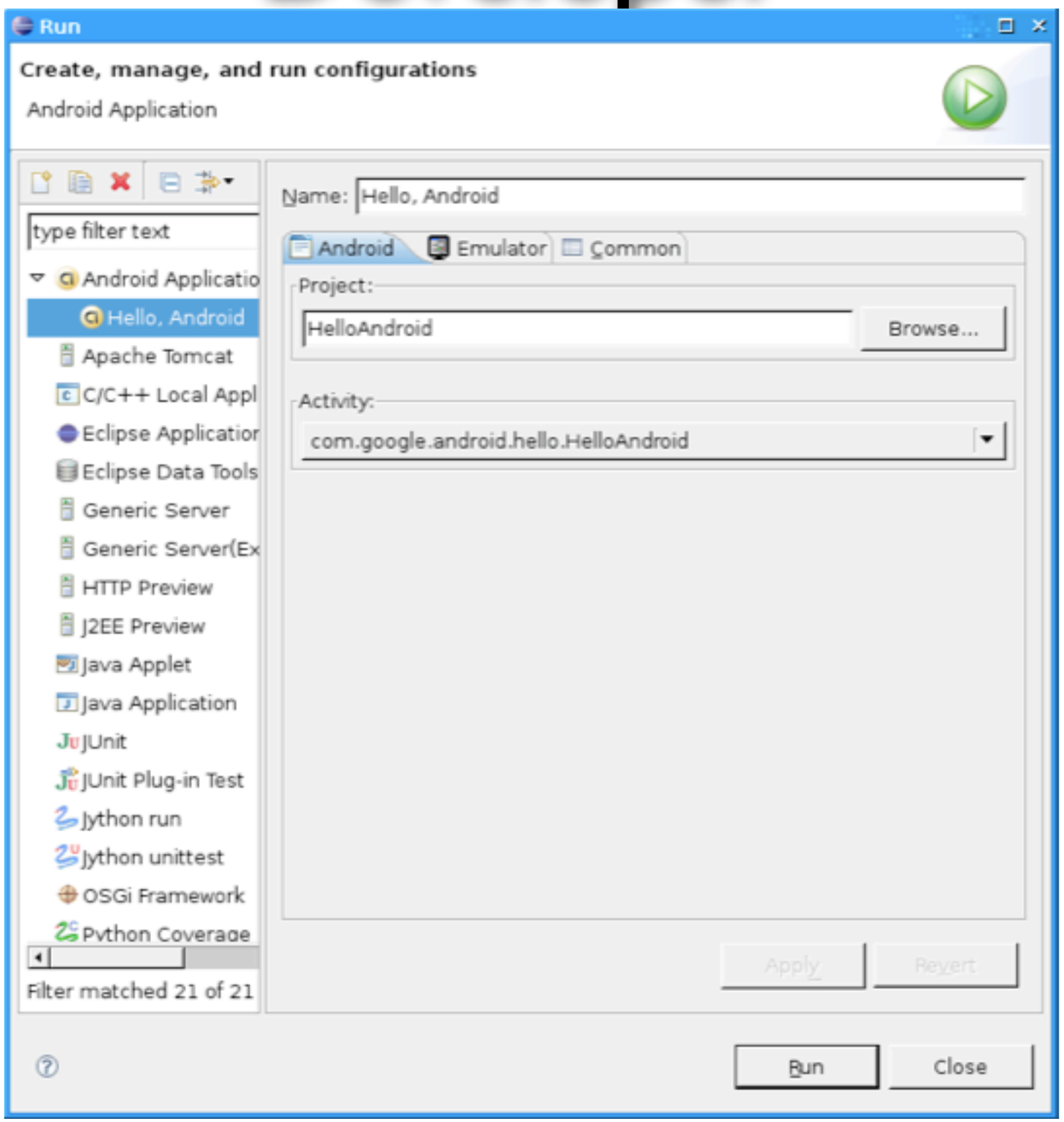


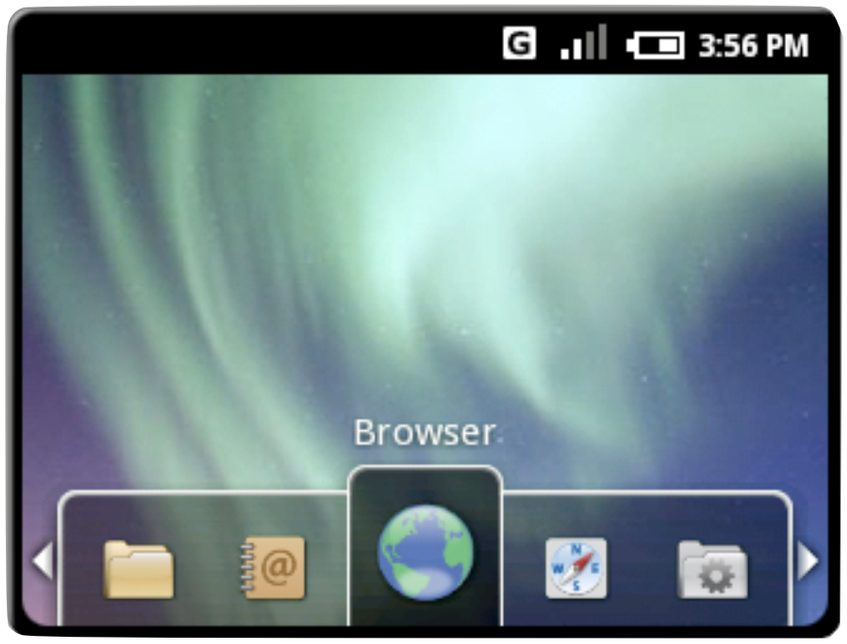
The famous 'Hello World' tutorial

That's It !

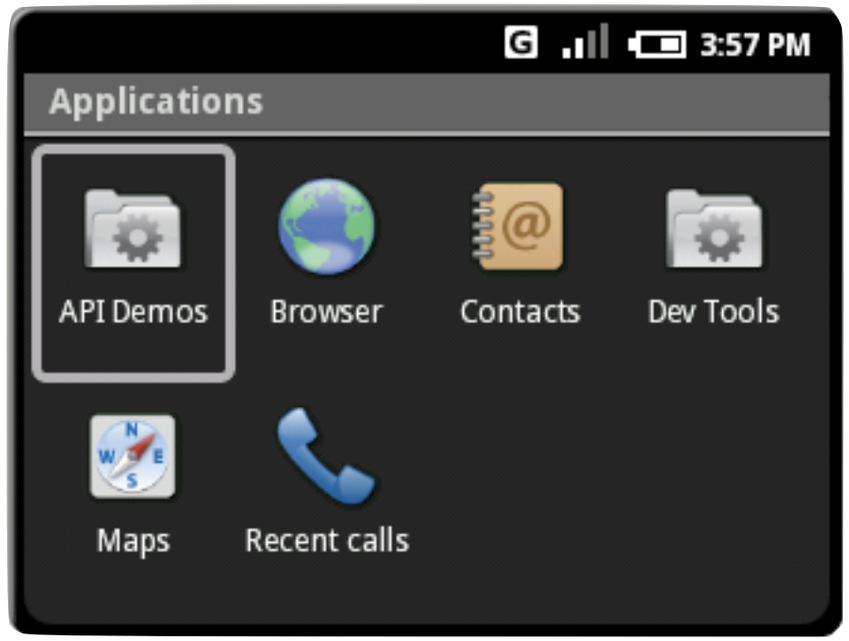
The famous 'Hello World' tutorial

Some app screenshots

Some app screenshots



Main Os view



Some Menus

WeB browser

Google Maps

Q/A