



Izrada aplikacija za mobilne uređaje

Arhitektura i platforma

Teme

- Razvoj Androida
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- Otvorene licence
- Arhitektura – *Software Stack*
- Komponente Android ekosustava
- Razvojno okruženje
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Razvoj Androida

Od 0 – 71% tržišta:

- Android Inc., 2003 – software za digitalne kamere
- Google, 2005 – ulazak na mobilno tržište
- 2007 – postaje besplatan i open source – antipod strogo reguliranom Apple IOS-u
- Open Handset Alliance (HTC, Sony, Samsung) – open standards
- rapidni razvoj i sazrijevanje platforme
- 2011 - ujedinjenje platforme za tablete i mobilne uređaje
- trenutna verzija – Android 16 (Baklava)

Android verzije



Izvor: <https://crast.net/347682/android-13-is-in-15-of-android-mobiles-and-the-most-used-version-is-still-android-11/>

Posebnosti

- arhitektura zasnovana na komponentama
- otvoreni kod
- predefinirane, ugrađene funkcionalnosti
- kvalitetno upravljanje aplikacijama
- odlična grafička podrška
- veliki raspon hardverske podrške

Otvorene licence

- **GNU General Public License**



Free as in Freedom

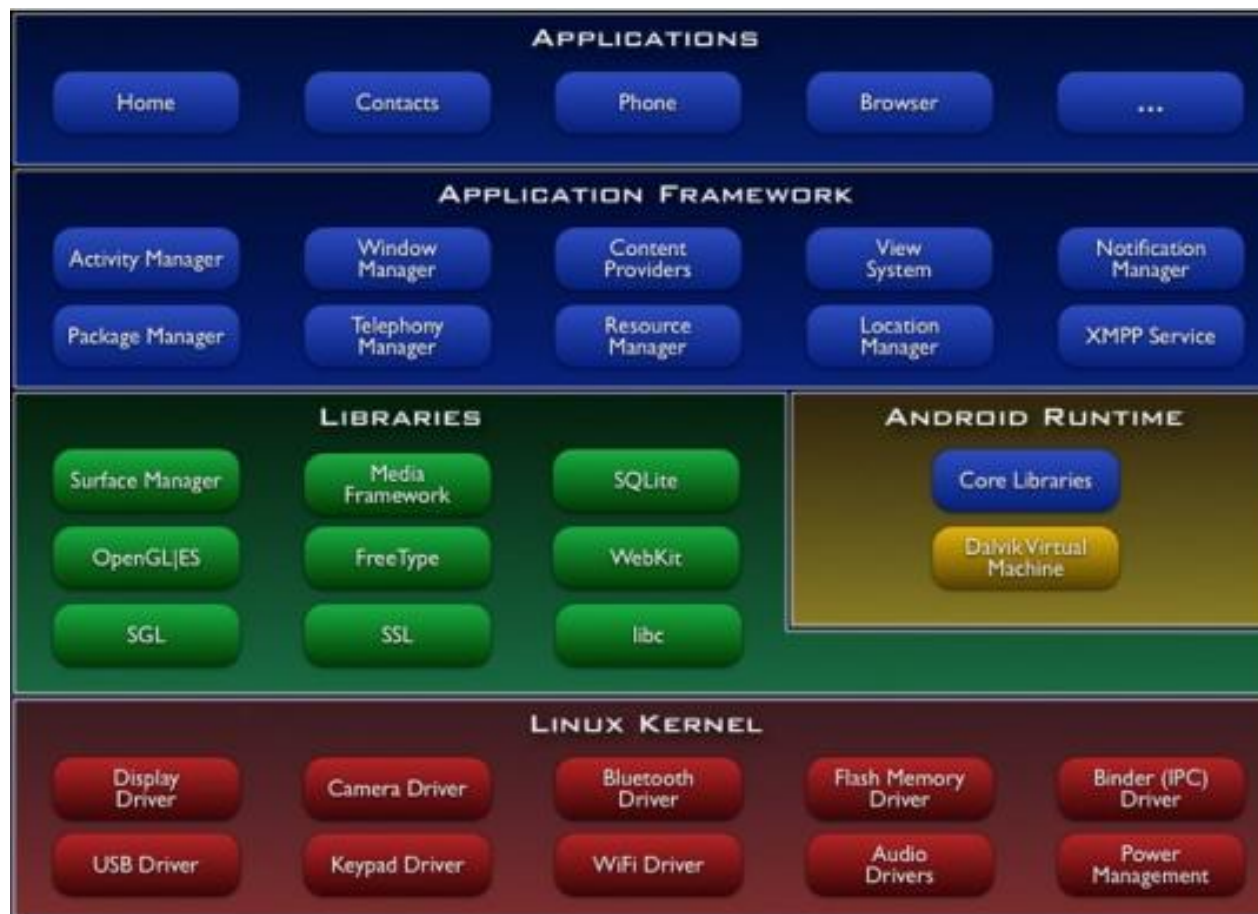
Izvor: https://hr.wikipedia.org/wiki/GNU_General_Public_License

- **Apache License**



Izvor: https://en.wikipedia.org/wiki/Apache_License

Arhitektura – *Software Stack*



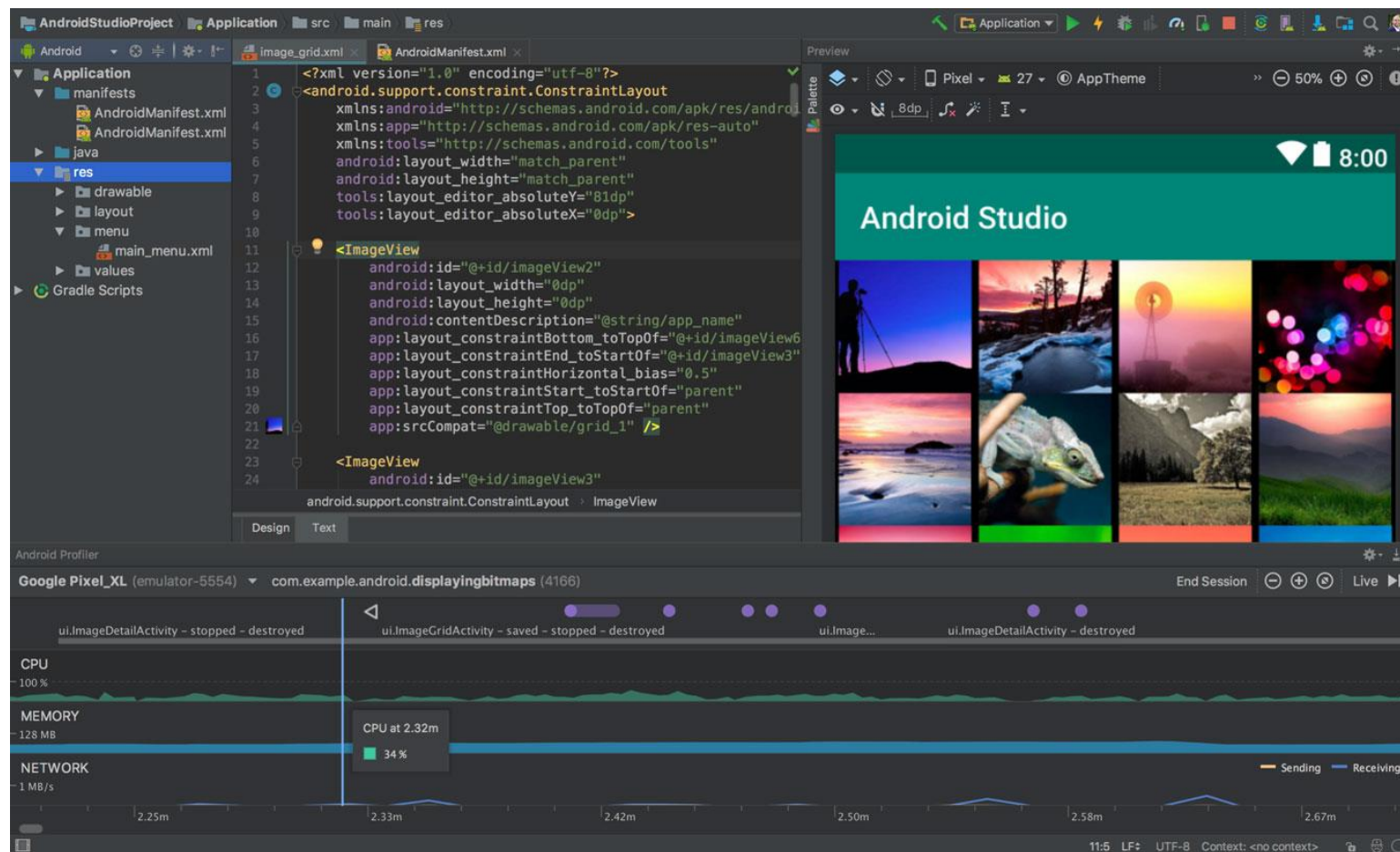
Izvor: <https://i.stack.imgur.com/PqP2N.jpg>

Komponente Android ekosustava



Izvor: <https://www.javatpoint.com/android-core-building-blocks>

Razvojno okruženje



Izvor: <http://developer.android.com/sdk/installing/index.html?pkg=tools>

Emulator

- AVD – Android Virtual Device

Choose a device definition


Q

Category	Name ▼	Play Store	Size	Resolution	Density
TV	Pixel XL		5.5"	1440x25...	560dpi
Phone	Pixel 3a XL		6.0"	1080x21...	400dpi
Wear ...	Pixel 3a	▶	5.6"	1080x22...	440dpi
Tablet	Pixel 3 XL		6.3"	1440x29...	560dpi
Autom...	Pixel 3	▶	5.46"	1080x21...	440dpi

New Hardware Profile

Import Hardware Profiles

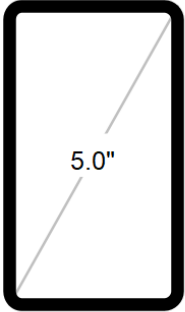
↺

 **Pixel 2**

1080px

5.0"

1920px



Demo



<http://www.jnhsolutions.com/contact-us/request-a-demo/>

Hvala na pažnji!

