EXHIBIT 3



BUYER'S GUIDE: Choosing Between Android And iPhone

Which platform has the best apps?

1/8

Customizing your phone with apps is a huge consideration when purchasing a new phone. Apple's App Store has 300,000 apps spread across a number of categories -- games, utilities, music, organizational, to name a few. The Android Marketplace is has 100,000 apps, and it's growing fast. A recent survey indicates that there is more interest in developing for iPhone than for Android, so expect the App Store's numbers to remain dominant.



See Also:

These Apps Will Make You Think
Twice About Using FaceTime On
Your iPhone Ever Again

9 Simple Steps To Making That
iPhone App You've Always
Wanted

Your New Galaxy Tab Is A
Waste Unless You Download
These Apps First

Advertisement

Winner: Apple























Summarv

Android is a mobile operating system, owned by Google. Android Inc. was the startup company that developed the initial Android OS. Google acquired the company in July 2005, and many of the original Android Inc. founders work... More »

Summarv

Google Inc. is a multinational Internet search technologies corporation. Google hosts and develops numerous Internet-based services and products, and generates profit primarily from advertising. The company was founded by Larry... More »

Summary

The iPhone is a line of Internet and multimediaenabled smartphones designed and marketed by Apple Inc. The first iPhone was introduced on January 9, 2007. An iPhone functions as a camera phone, including text messaging and... More »



Dylan Love Writer
Contact:
e-mail: dlove@businessinsider.com
Subscribe to his twitter feed

Recent Posts

How To Use LivingSocial Ins... Tim Lincecum Threw His 1,00... These Apps Will Make You Th...





Receive email updates on new comments!

12

14

Richard on Feb 2, 6:37 PM said:

So you pick apple for the hardware despite inherent faults with antenna and the trouble with replacing the glass on the phone should it crack. Very interesting

Flag as Offensive

2

2

ekeefe41 on Feb 2, 6:58 PM said:

Android has a choice of hardware... from cheap to expensive from keyboard to no keyboard...

Flag as Offensive

Then you turn around and pick Apple What a fucking joke.

Max on Feb 2, 9:16 PM said:

1 0

Yeah if you like the iphone better then thats fine but be logical and give hardware to android... But I did agree with most of your points ok of an article. Both are great OS's

Flag as Offensive

0

JackyLiang on Feb 3, 3:13 AM said:

e Flag as Offensive

I think a lot of people, especially Asians, tend to buy the iphone because of it's popularity and looks. The iphone's also offer tons more iphone accessories compared with the android. Personally, having used both phones, i really prefer the android system as it seems quicker, possibly because the Samsung Galaxy has a better processor.

alexskunk (URL) on Feb 3, 7:56 AM said:

1 0

Our journey at Hulu involves significant risk. That is the nature of innovation, particularly the business of re-inventing television. A number of you that are reading this might be thinking that we'd have to be crazy to think that our small team can actually re-invent television and compete effectively against a landscape of distribution giants like cable companies, satellite companies, and huge online companies. We are crazy. All entrepreneurs need to be. If it was easy, everyone would be doing itporno izle and there would be no naysayers. We are nothing if not a team that believes in the value of convictions, thoughtful stubbornness, and the relentless pursuit of better ways.

timjones17 on Feb 3, 12:30 PM said:

1 (

So-called tech writers usually waste money on overhyped, overpriced gadgets, thus their gear are usually from Apple. Overwhelming tech writers, use overhyped, overpriced Apple Mac computers when 90 percent of people see more value in Microsoft Windows computers.

Flag as Offensive

Smartphones do require some advanced tech knowledge and if you want a simple phone, in which you have minimals problems to solved, stick with featurephones, like the Razr. If you're a bit more tech savvy, stay away from iPhones, go with Android phones- Androids are alot more customizable, and you have alot more choices in hardware with Android. The best apps are available in both platforms, apps not available for Android, but available for the iPhone are usually junk fart apps.

Comments on this post are now closed.



RECOMMENDED FOR YOU
New Twist In The European
Bailouts: AAA Countries Want
Some Collateral

Powered by Sailthru



Powered by Sailthru

<u>iSimplifyTech – Survive the technological</u> <u>revolution!</u>

Technology is a piece o'cake!

- Home
- About
- Contact
- Friends



Techy nightmares are over!

Hello and welcome to iSimplifyTech. We know the website looks like thousands of other tech blogs out there but we can assure you it is not. iSimplifyTech is strictly here for none tech savvy users. Yes, we are here for tech haters even! The IST authors team use a unique and innovative approach to get you what you want from technology, solve your own problems and avoid having to talk to tech-gurus. Learn more about our unique concept on the <u>About</u> page. If you need to get a hold of us for any reason, our <u>Contact</u> page is your way to go. Enjoy your stay! :)

- Cell Phones
- Featured
- Hardware
- Internet
- Operating Systems
- Security
- Tips & Tricks

Choosing Between An iPhone Or Android Phone

Posted by Frank Alcarez On April - 9 - 2011

Are you looking for a new smartphone to replace your old one? Or are you simply looking to purchase your very first smartphone and you're still unsure as to what to choose? There are only two real choices: an iPhone or Android smartphone, as other operating systems such as Symbian and Windows Mobile don't have the same popularity.

The applications available in smartphones are really what offer convenience and enjoyment to consumers. Whether you decide to purchase an iPhone or Android, the apps that are provided in one store can also be found in the other. Even if the exact same application isn't found, there will surely be an application that is almost similar to it, which will work just the same.

When connected through Wi-Fi or 3G, any Android phone can get access to the Android market. Since there are applications that are large, before starting any downloads it is recommended that you switch from using your data plan to a Wi-Fi hot spot. Once in the Android market, you can download apps for free, however there are also some available for about \$5 or less.

When searching for a good phone that works well with the use of the Android operating system, one that you may want to consider is the Nexus S. This phone has top hardware features that allow applications to run accurately. Read more about this phone by checking out Nexus S reviews to discover what other consumers are saying about this phone.

If you're looking for comparisons between phones to help you choose between an iPhone or Android phone, you can find plenty of them online. Such comparisons should be enough to help you make a good decision. Read about both pros and cons of both operating systems, as well as pros and cons for phones that interest you.

An Android phone is usually cheaper than an iPhone, or at least cheaper than the iPhone 4, since there are Android using phones for all budgets. iPhones on the other hand are still quite expensive, even if they're older models that have worse hardware than Android phones in the same price range. The decision is yours, but just make sure you do your research properly.

If you have read the Nexus S reviews online and are happy with what you've discovered, then you might want to consider making an order. This is definitely something you won't be disappointed with especially when you discover how convenient it is to use this operating system. Obtaining a data plan along with your purchase is also highly advised, as without one your smartphone is simply just a regular phone when Internet access isn't available.

If you're still not sure what to choose between an iPhone or Android phone then go ahead and visit the recommended site. You'll find all the information you need and plenty of helpful articles on the subject that will help you make your final decision. So head on over to: http://www.iphoneorandroid.com/ and read everything! You'll soon be enjoying your new phone!

Learn more about what to choose between an <u>iphone or android</u> phone. Stop by this site where you can also read nexus s reviews.

Internet

Comments are closed.

- VIDEO
- RECENT
- POPULAR

Enter the video embed code here. Remember to change the size to 310 x 250 in the embed code.

- Bar Stools and Counters Stools The best way to Assistance the USA Markets
- Acquiring and Replacing Stool Cushions
- Get More Fans: Things You Should Know
- Western Digital Transportable Exterior Hard Generate Review
- Get More Facebook Friends: Marketing Through Social Media
- Get More Facebook Likes: E-Training
- The Apple MacBook MC516LL/A 13.3-Inch Notebook Exactly how Should It Compare?
- Why is a Data Recovery important?



· Recent Posts

- Acquiring and Replacing Stool Cushions
- Get More Fans: Things You Should Know
- Western Digital Transportable Exterior Hard Generate Review
- · Get More Facebook Friends: Marketing Through Social Media
- Get More Facebook Likes: E-Training
- The Apple MacBook MC516LL/A 13.3-Inch Notebook Exactly how Should It Compare?
- Why is a Data Recovery important?
- Wireless Networking Laptop Labs for Colleges
- How One Can Back Up Files Properly
- Facebook Fans: Advanced Social Media Marketing

Categories

- Cell Phones
- Featured
- Hardware

- <u>Internet</u>
- Operating Systems
- Security
- Tips & Tricks

Developed on behalf of - $\underline{\text{Nokia Car Charger}}$ - Leading mobile phone accessories retailer. Designed by $\underline{\text{web2feel}}$

Technology Articles "Share your knowledge. It's a way to achieve immortality." - Dalai Lama

Sign In | Register

Search...

Submit article

WANT TO KEEP
SOFTWARE
UP-TO-DATE

R-Updater
Creates a list of installed programs and checks on a pre-scheduled time if there are new program versons available.

Articles Software Home & Hobby Do Google Apps Match Up to Apple Apps?

Do Google Apps Match Up to Apple Apps?

Over the past year or so, <u>Google</u>'s Android phones have really started to catch up with Apple's iPhones. In part, this is due to an aggressive Android <u>advertising campaign</u> (then again, Apple spends more money than most companies on ads). Another reason why many people have begun to buy Android phones is that they're comparable to the <u>iPhone</u> in many different ways.

One of the main reasons why consumers purchase smartphones is apps. Apps, it seems, make the world go around. There's an app for finding your car, find looking up words, for helping you make your next meal – for really everything. Yet, Apple has always cornered the app <u>market</u>. Now that Google has come along, the questions is: how do Android apps match up to iPhone apps?

Android Has Free Apps

The title of this subsection is enough to gain attention. Android offers lots and lots of free apps. Seemingly, this is a positive thing. However, many of these apps may not be up to par. Since Android allows anyone to create an app, and offer it to all Android users, some apps may not be worth using at all. Of course, all Android apps are rated by users, which is one way to determine the worth of an Android app.

Apple, on the other hand, doesn't offer as many free apps. It is possible to find some free apps through the iPhone App Store, though the majority of iPhone apps must be purchased. Some speculate that Google will begin adding <u>price tags</u> to apps within the near future, which would change the whole "free app" appeal. But, at the time of this writing, for now, Android apps are most of the free sort.

Organization Issues

Since Apple entered the app market first, buying apps from the iPhone App Store is a cinch. Apple has spent plenty of time setting up this store, so that you can have the app you want in minutes. This isn't the case with the <u>Android marketplace</u>. Not that Android doesn't have worthwhile apps (it does), but some people find it hard to, well, find apps through Android phones.

It helps to think of the Android app marketplace like a port during pirate times. Apps come and go, people add and delete apps, and all apps are up for grabs. Some apps are good, some are bad, and some are even created by Google. If you don't mind wading the rocky waters, finding the Android apps that you want can be worth your time. Otherwise, you'll find the iPhone App Store easier to use.

Choosing Between the Two Based on Apps

Gamers may find the iPhone far superior to Android phones. <u>Social media</u> marketers usually discover that Android phones have an edge over iPhones. <u>Deciding between an Android phone</u> and an iPhone really depends on what you want to get out of your apps. Android phones are better at some things while iPhones blow Android out of the water when it comes to others.

Here's something else to keep in mind: Apple is constantly releasing a new version of the iPhone. At the time of this writing, the iPhone 4 had just been released. Rumor has it that the iPhone 5 is hot on its heels. What does this mean for the consumer? Not much other than the fact that Apple will fix all little glitches as it goes along. The drawbacks that are relevant today may not be so relevant tomorrow.

05/20/2011, Alex Choi

Comments

Sign in to add a comment.

Adrian Barker 06:50, 05/23/2011

In my experience, Apple's quality control lets A LOT of apps slip thru the cracks. I have to say, some free apps in the iTunes store--even some in the top 10s--are AWFUL

Reader's rating 0.00/10

- · Informativeness
- · Accuracy
- · Topicality

No votes yet

relevant keyword Control Panel DDR3 all-in-one personal finance useful features dynamic response touchpad mouse GPS Tracking processor recording webmaster AV receiver computer email address Internet marketing campaign tethering forecast input Camera navigational wheel

R-TT Solutions

- · Windows Data Recovery
- Mac Data Recovery

- <u>Linux Data Recovery</u><u>File Undelete</u>
- Drive Image and Backup
- Disk Encryption
- Email Recovery
 MS Word Recovery
- MS Excel Recovery
- Disk CleaningSoftware Updater
- Terms of Use
- Privacy Policy
- Contact Us
- Feedback
- R-TT Forum

© Copyright 2005-2011 R-Tools Technology Inc.

Login / Register

Become a Member

DONATE

VISA 🚾 🔤 BANK

MEMBER PAGE

Get the Crosscut

Daily Email Newsletter



Home Arts Politics Diversions Business Letters More Topics SEARCH Su

🚨 ADD THIS 📑 😭 🧦 ...)

Our Sponsors:



READ MORE »

Most Popular

Crosscut articles of the past 10 days with the most clicks.

Scientists zero in on culprits behind Puget Sound water problems

How three cities are solving big problems

Coal-for-China debate burns its way into Bellingham's mayor race

How hospitals became today's cathedrals

Seattle's tunnel quandary: not a perfect vote, but a vote

Remaking urban waterfronts: not just in Seattle

The battle against Big Food is fought one meal at a time

What's the latest 'big idea'? And does it solve anything for

Gates Foundation campus: Can everyday function and global ambition coexist?

The budget axe slices heritage

Our Members

Many thanks to

Michael Repass

John Ullman

some of our many supporters.

ALL MEMBERS »

Most Commented

Crosscut articles of the past 10 days with the most reader comments.

Seattle's tunnel quandary: not a perfect vote, but a vote (38 comments)

How hospitals became today's cathedrals (17 comments)

Scientists zero in on culprits behind Puget Sound water problems (17 comments)

How Seattle schools can solve its capacity

November 20, 2010

'There's an [Android AND iPhone] app for that.'

Deciding between an Android and an iPhone is easier if you know that many important apps are available on both smartphones. Here's one writer's list of his cross-platform app faves.

By Skip Ferderber

I'm a big app fan. I enjoy browsing the Internet to see what new and intriguing application software is available for my two smartphones: a Motorola Droid X Android phone and an Apple iPhone. (For my wife, it's shoes; for me, it's apps. Maybe it's a guy thing.)

It's become clear that the differences between the iPhone and Android smartphones are dwindling, and as proof I'd like to share with you my personal list of identical or near-identical Android and iPhone apps.

I know I'm courting danger here. I'm stepping into the belly of the beast where fanboyz live to defend and loudly do battle for their favorite technology. But I suspect that's not you. You just want to know if you're limiting or shortchanging yourself by buying either phone/operating system. From my point of view, you'll do fine with either.

Make no mistake: Apple's app store is larger than the Android store — three times larger, according to Apple CEO Steve Jobs. The iPhone store also offers a greater number of unique games and esoteric applications. (A random example: the iPhone store exclusively offers a water polo coach's clipboard app. Price: \$1.99). But Android phones now offer enough practical apps as well as enough variety to satisfy all but the most avid app lover.

Apple also had a two-year head start in developing apps, but as Android sales continue to boom (Android phones outsold iPhones two-to-one in this year's third quarter, according to a ComputerWorld article) developers are seeing more profit in Android apps, and the market is sure to grow.

All these apps are available from your respective system's store (except for the rare Android app that may come directly from a developer). Some apps are free, some are paid; still others are subscription based. For the record, many are also available on Blackberry, Windows Media, Windows 7, and Palm smartphones.

While most apps contain unique content, others such as news and music apps may be accessible directly from a browser.

So here's a list of apps I like, with links for the less well-known ones. (If you don't know what Amazon.com, *The New York Times*, and YouTube are, go directly to your room with no supper, and no Facebook for a week!)





Motorola.com Motorola Droid X Android phone



Apple.com
Apple iPhone

Related Stories:

The iPhone comes to Verizon

Wireless . . . finally
Posted Tue, Jan 11, 2011

After years of speculation, Verizon finally confirms it will sell the iPhone, beginning in February. But don't expect it to run on the new super-fast 4G LTE network.

The Droid X: Look out, iPhone Posted Sat, Aug 7, 2010

Verizon's hot new phone from Motorola definitely makes the smartphone supremacy duel a twohorse race oblem 7 comments)

Magnuson Park leases pose questions for city, artists (16 comments)

How three cities are solving big problems (11 comments)

What's the latest 'big idea'? And does it solve anything for Seattle? (9 comments)

Remaking urban waterfronts: not just in Seattle (9 comments)

The battle against Big Food is fought one meal at a time (7 comments)

Coal-for-China debate burns its way into Bellingham's mayor race (6 comments)

ALL COMMENTS »

Popular Blog Posts

Crosscut blog posts of the past 10 days with the most clicks.

Weekend tech blog: Amazon tests the online-bargain-hunting market

Updated: Gov. Reichert? Gov. Constantine?

Sarah Palin, trying on Arizona

Pyramid schemes: the USDA's new food 'plate'

Green Acre Radio: How Wal-Mart got religion on sustainability

Mariners: the Ichiro irony of a rush to contention

Pushing the McGinn agenda, in 1962

Is this the 'suite' life? Making honey on the roof at the Fairmont Olympic

McGinn's parking rate cut: Spread the pragmatism around

Governor brags about gains on viaduct

Business and productivity: Documents to Go and QuickOffice. Both allow editing of Microsoft Word, Excel, and PowerPoint documents. Documents to Go also reads PDFs.

Book e-reader apps: Amazon Kindle, Barnes & Noble Nook, and Borders Kobo. Books bought from one store can be read cross-platform (i.e., Android, iPhone, your PC/Mac laptop). But if you bought a Kindle book, you can't transfer it to read on the Nook.

Games: Angry Birds, The Sims 3, Geocaching, Bejeweled, Tetris. (Obviously there are tons more; these are just games I like.)

News: New York Times, Washington Post, USA Today, Time, NPR News, Huffington Post, AP Mobile. The Salon app is available only on Android; the Slate app is only on iPhone.

Music and radio: Pandora, Rhapsody, Slacker, Last.fm, TuneWiki, SoundHound, Shazam and Jango. Live365 is only available on the iPhone. Both Shazam and SoundHound allow you to identify music simply by opening their apps and letting your phone "listen" to the selection. Your phone will tell you what it is.

TV, movies, video and related: IMDb, Turner Classic Movies, Justin.tv, Babelgum, Qik, YouTube, and SlingPlayer. Subscriber-based Hulu Plus, with paid access to many past TV episodes, is on the iPhone but not the Android. At the same time, a good variety of TV shows (NBC, CBS, Fox, etc.) are on Bitbop on Android, but not on iPhone. Netflix, only on iPhone now, is promised for Android in early 2011.

Social networks: AOL, Facebook, Twitter.

Utilities: Google Docs (now editable on both systems), Google Apps, Google Talk, Google Earth, Google Maps, Skype, Orb Live, Vlingo, Layar, Evernote, Dropbox, Bing, Yelp, WeatherBug, PriceGrabber, Dictionary.com, Roboform, White Noise, Fring, and Meebo. Evernote is my favorite utility of the bunch because it lets me make a text, visual, or voice note on any device or operating system, and it automatically synchronizes to any/every device I have. It's also free.

For those of you looking for a big-picture, evenhanded view of the attributes of both smartphones, they're hard to find, and they're pretty technical. Nevertheless, try this article from Lifehacker. For a multi-platform smartphone comparison, check out this blog from Adrian Vintu.

The two platforms will never be identical. They shouldn't be; the individuality of each will foster initiative and continue the fun of having something unique in each gadget. But with these and other apps in common, the smartphone user experience is richer, and it lets you communicate even better with other machines — and the people who use them.

Please feel free to share your own list of favorite apps with other *Crosscut* readers in our comments section below. (No flames allowed; this is a conversation for adults.)

Skip Ferderber is a Mukilteo-based journalist given to fits of joy over technology that makes sense. He is a former Los Angeles Times staff writer, edited Millimeter and On Location magazines in the motion picture and television technology industries, and is a long-time contributing writer for HD Video Pro Magazine.

Print | Email |

Topics: Business, Diversions

Like what you just read? Support high quality local journalism by becoming a member of Crosscut.com today!

Login or register to speak your piece.

Comments:

Related Blog Posts:

Turner Classic Movies phone app goes Android

Posted Mon, Sep 20, 2010

Sweet news for Android smartphone owners: TCM now has an app for you

Topics: Business, Diversions

Follow Us »



Follow us on Twitter.



Like us on Facebook.



Subscribe to our RSS Feeds.



Read us on your Kindle.



Get our Daily Email Newsletter. Posted Sat. Nov 20, 6:59 a.m.

Skip, I'm surprised you feel the App experience on both platforms are equivalent, as I've found that is not the case as even a cursory comparison of games availability for example on each platform reveals gaping holes in Android's inventory.

Also, as John "DVD" Lech Johanssen the developer of the most popular iTunes replacement in the Android MarketPlace says, there are far more quality apps on the iOS app store.

Let's look more closely at the largest segment - games - to get some hard data. The Android OS is severely lacking in big name game titles released by all of the largest mobile Game publishers:

- * Gameloft 136 games for iOS vs 12 games for Android
- * Capcom Mobile 27 games for iOS vs 4 games for Android
- * EA 74 games for iOS vs 0 for Android
- * Ngmoco 42 games for iOS vs 0 for Android
- * Pangea 24 games for iOS vs 0 for Android
- * Popcap 5 for iOS vs 0 for Android
- * ID's new game Rage is only being produced for iOS

And total number of games:

iOS = 38,000 vs Android = 13,000

Although Popcap and EA have said they will start porting some games to Android soon, this disparity is not likely to change much with iOS developers making 50x the income (\$1 billion) compared to Android (\$21 million) over a similar timeframe according to Larva Labs and with piracy ranging from 50-97% on Android.

The situation is the same for business apps. The Android App market just does not compare to iOS.

The number of Android apps is deceptive because anyone is allowed to upload apps and none of them are reviewed or checked for quality or to make sure they aren't spam, malware or just "hello world" apps.

As a result, 45,000 of the 100,000 apps in the Android Marketplace are spam apps according to AppBrain. Likewise over 50 phishing apps masquerading as Banking apps, a wallpaper app that actually sent premium SMS texts and quite a number of spyware and adware apps have plagued the Marketplace.

As such, when you actually do a bit more digging it becomes apparent that if apps are your thing, you would indeed be limiting or shortchanging yourself by buying an Android phone instead of the iPhone.

-Mart

— mrrtmrrt

Posted Sat, Nov 20, 8:03 a.m.

I neglected to mention that many commentators point to Android phones having a larger marketshare than the iPhone means more potential customers for developers. However, it is only unit sales of Android phones in the last quarter that have surpassed the iPhone, but of course the iOS platform is far larger than just the iPhone. When you take sales of the iPod Touch and the iPad into account, more iOS devices are sold every day (275,000 - 300,000) than Android devices (200,000 - 250,000).

In addition, the existing installed base of iOS devices is around 130 million compared to 30-40 million Android devices, so developers have a larger target market in iOS users that is growing at a faster rate than Android and that is acknowledged to purchase more apps (17.2 million) per day vs the number 2 store GetJar which only manages 3 million per day.

All up, it is evident that Android faces many challenges to get anywhere close to matching iOS in the App scene meaning that for the foreseeable future, any app-oholic would be unwise to go the Android route at this point in time.

-Mart

- mrrtmrrt

Posted Sat, Nov 20, 9:01 a.m.

Does Android have a decent Craigslist client? I find myself spending a lot of time with that app.

@Mart - interesting data points. However, with over 50,000 non-spam apps in the Android marketplace, the app-oholic would hardly be deprived on Android. Both markets are large enough now so that success is more a function of whether the must-have killer apps are available.

Also, Apple's tightfisted control of their app store filters out legitimate apps, not just spam. The often arbitrary review process imposes costs, risks, and inefficiencies on developers that do not exist with Google. (My friend's company built a salesforce.com client that took months for Apple to approve, and by the time they did, the company had given up and moved on to other things.) For this reason, I don't think it will be long before the Android app market surpasses Apple's in breadth and depth.

Sean

Posted Sat, Nov 20, 3:36 p.m.

@Sear

At this point in time the must-have killer app is games (they are the most popular category) and as the figures above demonstrate, Android is missing the vast majority of these - both top tier names and home-grown dark horses

As far as Apple's approval policies are concerned, they loosened up significantly a few months ago so that even Google Voice and browsers like Opera and Skyfire are now available for iOS and the average time for approval is now sitting at 4.05 days with a max of 24 days according to 148Apps.biz.

For those apps that Apple doesn't approve, Jail breaking is now legal under the DMCA and the Cydia Store is well stocked with options. Most Andoid geeks also jailbreak (root) their phones to get around the less-than-open policies of carriers.

Even with Google's policy of allowing absolutely any junk, spam or malware into the Marketplace, the number of new iOS apps per week still outnumbers Android. Developers go where the money is and it is just not on Android as Larva Labs found:

"Overall we estimate that \$6,000,000 has been paid out to developers for games, and \$15,000,000 has been paid out on apps. That is a total of \$21,000,000, nearly 1/50th the amount paid out to devs on iPhone.

This really indicates how much of a cottage industry the paid Android Market remains, with insufficient sales numbers to warrant full-time labor for paid content"

With this sort of data, it is not surprising that iOS developers outnumber Android devs 43,185 to 10,199 according to AppStore HQ.

-Mart

mrrtmrrt

Posted Sat, Nov 20, 3:39 p.m.

One might get the impression that Android is a unified OS where every app works on every phone. Developers know that this is not the case, and many, but not all users do. But to ignore the issue completely or to hand wave it away is misleading at best. Apple somewhat heavy-handed iOS and App Store control issues have as one positive outcome that buyers know that the apps they buy will actually work on their own device.

NickBob

Posted Sat, Nov 20, 3:43 p.m.

Oh, and here's what John "DVD" Lech Johansen, the author of DoubleTwist the popular iTunes replacement for Android has this to say about the Marketplace:

"Google does far too little curation of the Android Market, and it shows. Unlike Apple's App Store, the Android Market has few high quality apps.... just a few examples of what's wrong with the Android Market. ... 144 spam ringtone apps (which are clearly infringing copyright) are currently cluttering the top ranks of the Multimedia category... Developers and users are getting fed up and it's time for Google to clean up the house."

-Mart

– mrrtmrrt

Posted Sun, Nov 21, 1:14 a.m.

@Mar

I can't speak about games since I don't really play too many games. iPhone may well have better games. But I can say that I found the Android apps "better" than the iPhones apps. And almost all of them have to do with the usability of the apps. The lack of multitasking really killed usability of iOS for me. Apple's done a lot to narrow the gap with iOS4, but then Android's gone further again with voice input. The seamlessness of locating a store by using a voice input or the search widget, finding the store. Adding it to contacts, looking it up on the map and getting driving directions and navigation is all such a smooth operation. iPhone apps all look sexy. But suffer from usability. With DropBox and KeePass, I can seamlessly download my personal information updated on the PC and open the Android KeePass application. The lack of file system access means that while I can do the same with the iPhone, it's more cumbersome. These are just a couple of examples. I could go on.

For most people, the iPhone may well be good enough. But it was like a breath of fresh air when I switched from the iPhone to Android.

You do bring up good points. But I should point out that the developers who complain most about Android fragmentation are either game developers (possibly with reason) or inexperienced developers. My two Andoid apps moved from 1.1 through 1.2 without much effort at all and the same app runs on all versions of Android. If you write to the API, don't use absolute layouts, use device independent pixels, you are unlikely to run into too much trouble. I was pleased to find out that my app worked beautifully on the Samsung Tab without changing a line of code and unlike the iPad, it looked excellent. Of course the UI needs to be changed for the table to really utilize the extra space more efficiently, but that's the same on both platforms.

There certainly is fragmentation, but that's because phones are not being updated with the latest OS and Google needs to do something about it. But that's chaffing only for the power users who are really a minority (in both camps). Most users will not care and many will just go to the Market and install the apps that can run on their phones. The apps that can't run on their phones will not even be visible to them. Still, this is one area that Google needs to learn from Apple and tell the Carriers where to get off.

Developers will go where the money is and while it may currently still be with iPhone, it will not stay that way. It's a numbers game and Apple simply can't win. Even with all the iOS devices, Apple is just barely outselling Android *phones*. When tablets, Google TV etc., Nook, Toasters sprouting Androids will flood the market, Android devices will do to iOS devices what Android phones did to iPhones all 3 quarters this year outsell by a margin of two to one.

- Milind

Posted Sun. Nov 21, 7:35 a.m.

@Millnd.

your comment that you find Android apps "better" than iOS apps is interesting as every article I've read to date has highlighted the opposite - that is many Android apps suffer from the same problem as Linux on the desktop - far too many options and settings for normal people, making it a great OS for geeks, but not the general populace.

I take your point about local file access and I agree that some improvements could be made in that area though the benefits that sand-boxing apps from each other makes in terms of security and malware protection shouldn't be understated.

Fragmentation has certainly proved to be a problem for at least one high-profile developer with a second version of the multi-million dollar selling Angry Birds app having to be created for compatibility with lower-performance Android phones. The fact that carriers are the cause of the vast majority of Android users not being able to update to the latest OS version remains a very big disadvantage for the Android platform.

In terms of the numbers game, the fact remains that iOS is comfortably ahead of ALL Android devices by between 120% - 138%. Android phone numbers already include most Android Tablets as the vast majority of Android Tablets include phone hardware (eg. Dell Streak, Galaxy Tab etc) in order to get access to the Android Marketplace. The number of tablets that don't include cell phone hardware is tiny as the iPad has captured 95% of the tablet market for the last two straight quarters with Android dropping from 2.9% last quarter to 2.3% in the most recent quarter.

In terms of Android-based media players, the iPod continues it's juggernaut status capturing between 70-80% marketshare with the iPod Touch making up the majority of those numbers. There have been approximately as many iPod Touches sold in the last 3 years as the entire installed base of Android devices to date.

The iPod has demonstrated that an "open" OS or ecosystem does not always win as the many big players in the Plays For Sure alliance found to their chagrin as the iPod and the iTunes Music and Media stores have continued to obliterate the best efforts of Microsoft, Dell, Toshiba, Sony, HP, Samsung, SanDisk, Creative, Archos, etc for the last 9 years.

It has become very evident in recent times that Apple now has the upper hand when it comes to component pricing due to the vast economies of scale that competitors can only dream about. For example, have you seen the new Galaxy Player 50, Samsung's attempt at competing with the iPod Touch? It is fatter, has only16% of the screen resolution, half the battery life, no HD video recording, no VC camera, lower storage and yet it is only \$30 cheaper than Apple's device.

Likewise, notice that Android manufacturers have been completely incapable of competing with the iPad (95.5% marketshare). The best they can do is release tablets with less than half the screen size and tie them to expensive 2 year contracts and even then they are not cheaper.

No, there is absolutely no guarantee that Android will walk into the Tablet or Media Player or TV markets and capture a majority share. Carrier subsidies, exclusivity agreements and other artificial barriers make the phone market a special case that one would be foolish to assume would point to success in these other device categories.

-Mart

mrrtmrrt

Posted Sun, Nov 21, 5:23 p.m.

@Mart - One last point regarding the future of the app market on both platforms.

Having recently upgraded my 2-year old iPhone to the iPhone 4, I was extremely underwhelmed. Yes, the screen looks a little nicer and it runs faster. Big whoop, there's absolutely nothing revolutionary about it. It appears that Apple's platform is reaching it's innovation asymptote.

That means Android and iPhone are essentially competing on nuts and bolts features - e.g., camera resolution, screen quality, size, weight, reception, price. Given all of the hardware vendors Android has on its side, I think it has the advantage with consumers in that kind of fight. And where consumers go, the apps will follow.

Interesting discussion.

Sean

Posted Mon, Nov 22, 5:12 a.m.

@Sean.

The dominance of the iPod for the last 9 years against a myriad of different competitors demonstrates that it is not about the nuts and bolts or who has the best spec sheet or most choice at all.

Just about every iPod competitor has boasted features that iPods were lacking for a long time whether it was FM receivers or transmitters, wifi, SD card slots, removable batteries, bigger screens etc.

However people kept and still keep buying iPods decimating the Plays For Sure partners and leaving Microsoft's Zune with a 1% rounding error market share.

Why is that? Well a large part of the reason is the ecosystem. The iTunes player software and the online iTunes store continue to capture 70-80% marketshares and end users have all built up large libraries of music, videos, movies and now apps which makes for a large disincentive to migrating to a different platform.

Also, the iPod and iPhone rule the roost in 3rd party hardware peripherals. Walk into any store and what do you see? Rows and rows of iPod and iPhone cases, iOS dock connector equipped HiFi systems, clock radios, car kits, GPS amplifiers, bike mounts, sports arm bands and other peripherals. Buy a new car and you find that 70% have iPod/iPhone connectivity options and steering wheel integration.

With no other individual phone model or manufacturer coming anywhere near the unit sales of the iPhone, iPod Touch or iPad, and no common Android dock connector standard or form factor, there remains no motivation whatsoever for hardware peripheral manufacturers to stop giving Apple their virtually undivided attention.

The vast success of the iPod, iTunes, the App Store and the iPad all indicate that there is no guarantee whatsoever that Android will win significant marketshare in the media player, tablet, Auto or TV markets. This means that numbers-wise, iOS may very well maintain it's lead over Android in quarterly sales as well as installed base into the future.

Even if, quarterly sales numbers-wise, Android does manage to someday surpass iOS, the severe lack of profitability, high piracy rates and reluctance of Android users to actually pay for apps all means that iOS will continue to be by far the most profitable for developers and result in the iOS App ecosystem continuing to be the richest in numbers, quality and depth of choice.

If you are an app fan as Skip Ferderber professes to be, or you have a yearning for the largest array of top tier games on your mobile device, then on all the evidence presented, Android is a poor second best choice to iOS.

-Mart

– mrrtmrrt

Posted Mon, Nov 22, 7:35 a.m.

I live in an area that Verizon covers, but the ATT does a very poor job, so no iPhone for me until Verizon finally get it.

– Patt

Posted Mon, Nov 22, 9:50 a.m.

Yes, Google has pretty much said "the $\ensuremath{\mathsf{App}}$ is the Browser".

This is its strategy for Chrome as well.

They correctly envision a light weight browser type platform on the client, with the Cloud hosting "apps".

As you may have seen, it is quite easy to simulate a Desktop using JQuery/Javascript, so over time, the Google approach should dominate.

jabailo

Login or register to speak your piece.

.

Crosscut.com is a production of Crosscut Public Media

105 S Main St. Suite 330 Seattle, WA 98104 (206) 382-6137 About Us Contact Staff Advertise Jobs Privacy User Agreement Twitter
Facebook
RSS Feeds
Kindle Edition
Daily Email Newsletter
Mobile Version

Donate
Membership Benefits
Our Members
Send a Letter to the Editor
Login / Register

© 2011 Crosscut Public Media