OpSec

Operational Security

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Intro

The goal is to stay on-line with total anonymity. This is nearly impossible.

However, general anonymity is possible and it starts with Tor, e-mail providers, and following best practices.

Service providers are lightly regulated with respect to data privacy and data security. The device user may actively minimize their information sharing; it is a good defense; and, it is a preventative strategy that any individual may achieve at no financial cost.

However, you must strike a balance between convenience and cross-application anonymity. Employing any service requires creating a username and password. You may choose a system-wide unique username for all providers; a username that is a random hash; a different username per provider; or one that is also a random hash per provider.

Regardless of username, you must create a password. Where most providers mandate a minimum of password content obfuscation, go beyond the minimum. Do not re-use passwords nor write them on paper nor store them in a plain-text file.

To reduce hassles and maintain obscurity you may employ your own personal password generating system. For example:

`Favorite*Words*123*appname`

Overview

Day-to-day use of modern interconnected devices reveal more about an individual than may be understood. When applied, this collection of operational security information will help reduce the need to search for a needle in a haystack, and will provide a first step in minimizing unintentional information sharing.

This document indirectly asks questions that many do not know to ask. This document starts with the device; covers best practices and service providers; and ends with readily available informational Library.

Devices

Devices are pervasive, 3+ per person...

Device owners voluntarily and freely give away personal information, visual evidence, and their day-to-day location. Some information sharing is intentional. However, just how much personal information there is only may be realized after a data breach is announced by an otherwise trusted service provider.

Purchase

This list includes several inexpensive devices.

- (5G) Samsung Galaxy A32
- (4G) Motorola Moto E
- (4G) Motorola Moto G Fast
- (4G) Nokia 2.1

Disposal

Do this when disposing or selling a device:

- Do not smash the device nor toss it in water
- Learn how to remove the battery
- Learn how to remove the SIM
- Learn about eSIM
- Learn how to remove the external storage (SD)

Advanced

- Learn how to `root` your device
 - · Download the device's root kit
 - · Recovery mode reboot your device
 - ... press volume down + power buttons
 - Install your device's root kit
 - · Reboot your device
- Learn how to change the IMEI
 - · Download the app and launch it
- Learn how to backup data
- Learn how to factory reset the device
- Learn where app files are stored, delete caches
- Learn about Android "Dual" apps
- Learn about access code phone numbers

Privacy

Privacy protection is a habit, an often repeated *To do...* list. A secure device may be rendered insecure with bad operational security habits. Do good, be inconsistent.

Isolate

- Turn OFF the device when idle
- Turn OFF location tracking (GPS, tower, etc.)
- Turn OFF Bluetooth
- Turn OFF sharing
- Turn OFF printing
- In app settings "Data Usage" disable "Background"
- In app settings "Battery" enable "Restrict"
- In app settings "Storage" clear "Cache"
- In "Accounts" manage/remove "Auto-sync" accounts

Restrict

- Turn ON airplane mode
- Download, install, and use an anonymous VPN (Tor)
- Connect the device to public Wi-Fi
- Avoid at work device usage
- Avoid at home device usage
- Vary the times of device usage
- Vary the locations of device usage

Share

- Turn ON airplane mode
- Provide the minimum required data on-line
- Provide false or obscured data on-line, when possible

Hide

- Turn ON airplane mode
- Learn how to clear ALL browser data on exit
- Learn how to clear all apps' file open history
- Learn how to clear all apps' custom dictionaries
- Learn how to clear all Editor' clipboards
- Before deleting, save files with large 'blank' content
- Leave ON airplane mode
- Keep me signed in... No
- Remember me... No
- Leave ON airplane mode

Services

Note: Most service providers have both web and app interfaces. The listed Google Play Store links are abbreviated to 'id='. This presumes the full URL includes:

`https://play.google.com/store/apps/details?`

Whenever possible, 2 or more app/services are listed. Try out each and pick the one that fits best.

Proxy

Unlike the rest of the services and apps listed, the first two provide a low-level anonymous connection to the Internet.

Tor and Orbot are transparent services that underlay other apps. Tor is a standalone combo that supports the Firefox browser, and Orbot anonymously redirects all registered apps' Internet traffic. In general, never connect the device to the Internet through the device's data plan. Connect through public Wi-Fi, in airplane mode, using anonymous Tor and/or Orbot.

An added layer of anonymity may be achieved by employing 'Onion' addresses in the Tor browser. An 'Onion' address is like a standard URL (https://sitename.com) recognized by Tor and directed to otherwise hidden web sites.

Tor

Play	`id=org.torproject.torbrowser`
	`https://www.torproject.com`
Notes	Tor combines a Firefox browser and VPN
	No registration nor username required
	Launch Tor and tap the <i>Connect</i> button
	The VPN hides your device IP and location
	Link to ShowMyIP.com to test

Orbot

Play	`id=org.torproject.android`
Home	`https://www.torproject.com`
Notes	Orbot combines an app launcher and VPN
	Orbot may run along-side Tor
	Set VPN mode ON
	Launch Orbot and tap the <i>Start</i> button
	You may register the Firefox browser app

Core

Most apps either primarily or secondarily connect to the Internet. Few fail to connect to the internet, though some apps are functional in airplane mode with Wi-Fi off. Primary connections include messaging and browsing. Secondary connections include ad delivery and spying. Most device users require a few common apps and they default to pre-installed apps, with default Settings. Always thoroughly update app Settings.

This list includes anonymous free alternative services and apps. The Settings for each service or app should be thoroughly updated. An e-mail address is nearly always required, on its own or to register under other providers. There are several free and anonymous e-mail providers, including Microsoft's HotMail (Outlook). You may choose to employ several e-mail providers or rely on one.

Several services require two-factor authentication. A few support e-mail and a few require text messaging or one-time-pads. It is recommended that you have back-up providers, at least one, in case one service provider locks your account.

Microsoft HotMail

Play	'id=com.microsoft.office.outlook'	
Login	`https://outlook.live.com/owa`	
User	`username@hotmail.com`	
Auth	`Pass*Word`	
Recov	`username@protonmail.com`	
Note	Outlook app connection fails over Tor	

Protonmail

Play	`id=ch.protonmail.android`
Login	`https://account.proton.me/login`
User	`username@protonmail.com`
Auth	`Pass*Word`
Recov	`username@hotmail.com`
Note	

Google Voice

Play	`id=com.google.android.apps.googlevoice`
Acct	'NUM-BERS'

TextPlus

Play	`id=com.gogii.textplus`
Acct	'NUM-BERS'

Google Voice offers a free phone number, supporting voice calls and texts over the Internet.

For recovery, Google Voice is the most stable provider, though the service requires a link to an old number.

Getting a burner SIM / eSIM for your device lessens exposure but increases hassle and cost.

Getting a separate burner phone and/or SIM / eSIM reduces connections to your old number.

Messaging

Messaging individuals and groups is provided in multiple contexts either stand-alone or as part of a larger system.

Telegram X

Play	`id=org.thunderdog.challegram`
Home	`https://t.me/username`
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	Google Voice / { burner phone }
Note	Scheduled messages

Signal

	`id=org.thoughtcrime.securesms`
Home	app only
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	Google Voice / { burner phone }
Pin	'NUMBER'

Microsoft Skype

	<i>V</i> 1
Play	`id=com.skype.raider`
Home	app only
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	
Acct	'NUMBER'

Facebook WhatsApp

1.1		
Play	`id=com.whatsapp`	
Home	app only	
User	`username@yourmail.com`	
Auth	`Pass*Word`	
Recov		

Session

Play	`id=`
Home	app only
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	

Briar

Play	
Home	app only
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	

Threema

Play	
Home	app only
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	

Molly

Play	
Home	app only
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	This is a <i>Signal</i> GitHub fork

Storage

The largest service provides offer "Office Suites" where files may be stored. Standalone file storage provides some advantages regarding anonymity.

GitHub

	`id=com.github.android`
Login	`https://github.com/login`
Home	`https://github.com/username`
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	
Note	The app does not support editing

Pastebin

Play	NA
Login	`https://pastebin.com/login`
Home	`https://pastebin.com/u/username`
User	`username@mailinator.com`
Auth	`Pass*Word`
Recov	

GitLab

Play	web only
	`https://gitlab.com/users/sign_in`
Home	`https://gitlab.com/username`
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	`https://mega.nz/HASH`
Note	

Bitbucket

Play	`id=com.github.android`
Login	`https://bitbucket.org`
Home	`https://bitbucket.org/username`
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	

Dropbox

Play	`id=com.dropbox.android`
Login	`https://www.Dropbox.com`
Home	`https://Dropbox.com/username`
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	

Mega

	`id=mega.privacy.android.app`
Login	`https://www.Mega.nz`
Home	`https://Mega.com/username`
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	`https://mega.nz/HASH`
Note	Auto-loads DCIM files at setup, bad!

Social

Social, groups, communities, and forums.

Ignoring the 500lb gorilla, these services offer a balance between functionality and anonymity.

Reddit

Play	`id=com.reddit.frontpage`
Login	`https://www.reddit.com/login`
Home	`https://www.reddit.com/u/username`
User	`username`
Auth	'Pass*Word'
Recov	

Tumblr

Play	`id=com.tumblr`
Login	`https://tumblr.com/login`
Home	`https://username.tumblr.com`
User	`username@yourmail.com`
Auth	'Pass*Word'
Recov	
Note	Scheduled posts

Twitter

Play	`id=com.twitter.android`
Login	`https://twitter.com/i/flow/login`
Home	`https://twitter.com/username`
User	'username'
Auth	`Pass*Word`
Recov	Google Voice / { burner phone }
Note	Scheduled tweets

Pinterest

Play	`id=com.pinterest`
Login	`https://www.pinterest.com/login`
Home	`https://www.pinterest.com/username`
User	`username`
Auth	`Pass*Word`
Recov	

Instagram

Play	`id=com.instagram.android`
Login	`https://www.instagram.com/login`
Home	`https://www.instagram.com/username`
User	'username'
Auth	`Pass*Word`
Recov	
Note	Broadcast to other services - best not to

Kik

Play	`id=kik.android`
Login	app only
Home	app only
User	'username'
Auth	`Pass*Word`
Recov	
Note	Kik QR code

E-mail

There are four types of anonymous e-mail:

- Services enabling send and receive functions, without phone verification, employing e-mail aliases to an old address
- Services enabling send and receive functions, without phone verification, for a new address
- Services enabling e-mail forwarding to an old address, with/without the Send function
- Services enabling only the receive function with security through obscurity, public *drop-boxes*, no login

Trade-offs: some services do not support file attachments, where links to anonymous file sharing sites may be employed.

Tutanota

	`id=de.tutao.tutanota`
Login	`https://mail.tutanota.com/login`
User	`username@tutanota.com`
Auth	`Pass*Word`
	'HASH'
Recov	'HASH'

Zoho

Play	`id=com.zoho.mail`
Login	`https://accounts.zoho.eu/signin`
User	`username@zohomail.eu`
Auth	`Pass*Word`
Recov	
Note	Scheduled e-mails; Web desktop UX; OTP

Mailfence

Play	web only
Login	`https://mailfence.com/login`
User	`username@mailfence.com`
Auth	`Pass*Word`
Recov	`username@yourmail.com`

Trashmail

Play	web only
Login	`https://trashmail.com/login`
User	`username@my10minutemail.com`
Auth	`Pass*Word`
Recov	
Note	{ deleted after set time? }

Mailnesia

Play	web only
Home	`https://mailnesia.com`
User	NA
Auth	NA
Note	public drop-box

Mailinator

_	
	web only
Login	NA
Home	`https://mailinator.com`
User	NA
Auth	NA
Recov	NA
Note	public drop-box

Funding

This is not an anonymous activity. However, as an anonymous user you may want to crypto-contribute.

Patreon

Play	`id=com.patreon.android`
Login	`https://www.patreon.com/login`
Home	`https://www.patreon.com/username`
User	`username`
Auth	`Pass*Word`
Recov	
Note	Avoid app, low ratings

Kickstarter

Play	`id=com.kickstarter.kickstarter`
Login	`https://www.kickstarter.com/login`
Home	`https://www.kickstarter.com/profile?ref=
User	`username`
Auth	`Pass*Word`
Recov	

GoFundMe

Play	`id=com.gofundme.gofundme`
	`https://www.gofundme.com/sign-in`
Home	`https://www.gofundme.com/f/causename`
User	`username`
Auth	`Pass*Word`
Recov	

Bitcoin

Binance

211111111111111111111111111111111111111	
Play	`id=com.binance.dev``
Login	`https://www.binance.us/en/login`
Home	NA
User	'username'
Auth	`Pass*Word`
Recov	

BitPay

Play	`id=com.bitpay.wallet``
Login	`https://bitpay.com/dashboard/login`
Home	`https://www.bitpay.com/username
User	'username'
Auth	`Pass*Word`
Recov	

Coinbase

Play	`id=com.coinbase.android`
Login	`https://www.coinbase.com/sign-in`
Home	NA
User	`username`
Auth	`Pass*Word`
Recov	

IRC

Internet Relay Chat was first introduced in 1988 and it still has a loyal following; a text-only "texting" service.

AndroIRC

Play	`id=com.androirc`
Login	`https://www.snapfish.com/loginto`
Home	NA
User	`username@yourmail.com`
Auth	'Pass*Word'
Recov	NA
Text	Google Voice / { burner phone }

CoreIRC

Play	`id=co.aureolin.coreirc.lite`
Login	
Home	app only
Nick	`username`
Auth	NA
Recov	NA

Image

Image may be stored wherever other files are stored, however these sites cross-sell image products and services.

Snapfish

Shaprish	
Play	`id=com.snapfish.mobile`
Login	`https://www.snapfish.com/loginto`
Home	NA
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	
Text	Google Voice / { burner phone }

Imgur

Play	`id=com.imgur.mobile`
Login	`https://www.imgur.com/login`
Home	`https://imgur.com/user/username`
User	`@username`
Auth	`Pass*Word`
Recov	`username@yourmail.com`
Text	Google Voice / { burner phone }

Database

Cloud database servers may be of use in application development. A few providers offer limited free accounts.

Mongo DB

	`id=in.nexzone.mongodb`
Login	`https://account.mongodb.com/account`
Home	`https://cloud.mongodb.com`
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	

Clever Cloud

Play	`id=`
Login	`https://api.clever-cloud.com/v2/session/login`
Home	`https://console.clever-cloud.com`
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	Google Voice / { burner phone }

IBM Cloud

Play	`id=`
Login	`https://cloud.ibm.com`
Home	
User	
Auth	
Recov	

Geographic

Simple mapping plus application programmer interfaces, useful for application development.

Google Earth

Play	`id=com.google.Earth`
Login	
Home	` `
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	
Note	API?

QGIS

Play	`id=com.qgis`
Login	
Home	
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	
Note	API?

ArcGIS Earth

Play	`id=com.esri.earth.phone`
Login	
Home	, ,
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	
Note	API?

Feed

Really Simple Syndication (RSS) feeds were released in 1999, 10 years after IRC; another text-only texting service.

Aggregator

Play	`id=com.tughi.aggregator`
Login	`https://www.aggregator.com/login`
Home	`https://www.aggregator.com/username`
User	`username`
Auth	`Pass*Word`
Recov	

Feedly

Play	'id=com.devhd.feedly'
Login	`https://www.feedly.com/login`
Home	`https://www.feedly.com/username`
User	`username`
Auth	`Pass*Word`
Recov	

FeedMe

Play	'id=com.seazon.feedme'
Login	`https://www.feedme.com/login`
	`https://www.feedne.com/username`
User	'username'
Auth	`Pass*Word`
Recov	

Other

There are millions of other services available. These two didn't fit in elsewhere and have some utility vs entertaining.

Hootsuite

Play	`id=com.hootsuite.droid.full`
Login	`https://hootsuite.com/member/sso-complete`
Home	NA
User	'username'
Auth	`Pass*Word`
Notes	Broadcast app manager app
	30 day free trial

Wikipedia

Play	`id=org.wikipedia`
Login	`https://en.wikipedia.com/login`
Home	`https://en.m.wikipedia.org/wiki/User:username`
Recov	
Notes	Sign in as an 'editor'
	Millions of searchable articles

Local

Note: To access Device "Developer" mode - select Settings, System, Phone, 7x tap on build number.

It is recommended that you register all local apps with Orbot (VPN). Some apps may secretly call back to the mother ship.

Connection

A few apps that give you access to connectivity info.

NetX

Play	`id=com.tools.netgel.netx`
Note	Wi-Fi signal analysis and scanner

IP Tools

	`id=com.ddm.iptools`
Note	Wi-Fi signal analysis and scanner

Web Tools

	`id=com.ddm.iptools`
Note	Wi-Fi signal analysis and scanner

Wi-Fiman

	`id=com.ubnt.usurvey`
Not	Wi-Fi signal analysis and scanner

Firewall

Without 'root' firewall apps are limited to proxying.

NoRoot-Firewall

Play	`id=app.greyshirts.firewall`
Notes	IP Tables internet security, no 'root'

Dataguard Firewall

	5 uu u u u u u u u u u u u u u u u u u
	`id=com.fulldive.extension.dataguard`
Note	IP Tables internet security, no 'root'

Encryption

Places a selected file in an encrypted folder (vault).

File Locker

Play	`id=inno.filelocker`
Note	Encrypted vault

Files by Google

Plav	`id=com.google.android.apps.nbu.files`
	Encrypted vault - Browse, Safe Folder, PIN

Authentication

Authenticator

Play	`id=com.google.android.apps.authenticator2`
Note	one-time-pad support for other apps

Twilio Authy

	`id=com.authy.authy`
Note	cryptographic tools

Hash

Hash Droid

Hash Divid	
Play	`id=com.hobbyone.hashdroid`
Note	cryptographic tools

Cryntogranhy

	tography
Play	`id=com.nitramite.cryptography`
Note	cryptographic tools

Editor

A few apps that enable you to edit "doc" and "txt" files.

Markor

Play	`id=net.gsantner.markor`
Note	Sophisticated code editor, regexp

Obsidian

Play	`id=md.obsidian`
Note	Sophisticated code editor, plugins

ACode

120040	
	`id=com.foxdebug.acodefree`
Note	Sophisticated code editor, GitHub link

Play	id=com
Note	Sophisticated code editor

Terminal

Command-line Linux interface.

Termux

Play	`id=com.termux`
Note	Linux shell, command-line access

Terminal Emulator

	`id=jackpal.androidterm`
Note	Linux shell, command-line access

Hacker

Two hacker-ish tools.

Hackers Keyboard

Play	`id=org.pocketworkstation.pckeyboard`
Note	Alternative keyboard for coders

BusyBox

Play	
Note	Linux tools, shell, 'root' required

File

File-Converter

	`id=com.icecoldapps.fileconverter`
Note	Extensive list of file formats supported

X-plore

P1	ay	`id=com.lonelycatgnames.xplore`
N	ote	Sophisticated file manager

Total Commander

Play	`id=com.ghisler.android.TotalCommander`
Note	Sophisticated file manager

Anti-virus

Don't download unknown files from unknown sources.

Avira Security

11 vii a Security		
Play	`id=com.avira.android`	
Note	Anti-virus app and scanner	

Anti-Virus Free

Play	`id=com.Anti-Virus-Free`
Note	Anti-virus app and scanner

AVG Anti-Virus

11 V G 7 Inti V II us		
	`id=com.antivirus`	
Note	Established anti-virus app and scanner	

Norton 360 Anti-Virus

	10100110011101 / 11010	
	'id=com.symantec.mobilesecurity'	
Notes	Established anti-virus app and scanner	
	Free trial	

McAfee Security

	`id=com.wsandroid.suite`
	Established anti-virus app and scanner
ĺ	Free trial

Domain

NameCheap

· · · · · · · · · · · · · · · · · · ·		
Play	`id=com.namecheap.android`	
Login	`https://www.namecheap.com/myaccount/login`	
Home	`https://www.namecheap.com`	
User	`username@yourmail.com`	
Auth	`Pass*Word`	
PIN	'NUMBER'	
Recov	`username@yourmail.com`	
Note	fails to auth over Tor, must use app	

GoDaddy

	v
Play	`id=com.godaddy.gx.go`
Login	`https://cloud.ibm.com`
Home	`https://www.godaddy.com`
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	
Notes	fails to connect over Tor
	Login works with Chrome over Orbot

Domain.com

Play	`id= `
Login	`https://cloud.ibm.com`
Home	
User	`username@yourmail.com`
Auth	`Pass*Word`
Recov	
Note	Buy first, no acct

Compiler

OnePercent Java Compile

	'id=club.onepercent.java compiler'
Note	Edit, Compile, Install APK

OnePercent PHP Compiler

	'id=club.onepercent.php compiler'
Note	Edit, Compile, Install APK

QuarksBytes Java IDE

	`id=org.quarksjava.java_ide`
Note	Edit, Compile, Install APK

QuarksBytes PERL IDE

	`id=org.quarksperl.perl_ide`
Note	Edit, Compile, Install APK

Code Runner

Play	`id=yavuzomar.coderunner`
Note	Edit, Compile, Install APK

Code Assist

Play	`id=com.tyron.code`
Note	Edit, Compile, Install APK

Java Compiler

	C 0111-p11-01
Play	`id=com.techbajao.javacompiler`
Note	Edit, Compile, Install APK

Search

Unstructured

DuckDuckGo

Play	`id=com.duckduckgo.mobile.android`
Home	`https://www.duckduckgo.com`
Notes	Comparable to Google search
	No tracking or data retention
	Has an Onion web address, through Tor
	Search "duckduckgo Onion" for the URL

Google Search

Play	`com.google.android.googlequicksearchbox`
Home	`https://www.google.com`
Notes	Google search over Tor is anonymous
	Tracking/data retention to anon. exit node
	May have Onion web address, through Tor
	Search "google Onion" to get the address

Microsoft Bing

	`id=com.microsoft.bing`
Home	`https://www.bing.com`
Note	Bing search over Tor is anonymous

Yahoo Search

Play	`id=com.yahoo.mobile.client.android.search`
	`https://search.yahoo.com`
Note	Yahoo! search over Tor is anonymous

Structured

Wikipedia

Play	`id=org.wikipedia`
Notes	Technically not a search engine
	Millions of searchable articles
	Peer-to-peer cross referenced articles
	Extensive footnotes to print/on-line resources
	Multiple languages; no ads
	More effective than an open Internet search

Quora

Play	`id=com.quora.android`
	`https://www.quora.com`
Notes	Technically not a search engine
	Thousands of searchable questions
	Peer-to-peer answered questions
	Multiple answers per question
	Related questions listed

Craigslist

Play	`id=org.craigslist.craigslistmobile`
Home	`https://www.craigslist.org`
Notes	Peer-to-peer resource searches

Library

Wikipedia

	`id=org.wikipedia`
Home	`https://en.wikipedia.com`
Note	Millions of searchable articles
	Cross referenced to other articles
	Extensive footnotes to print/on-line resources
	Multiple languages; no ads
	More effective than an open Internet search

NOLO Press

Play	web only
Home	`https://nolo.com`
Notes	Hundreds of searchable legal articles
	Dozens of books for sale

Med Line Plus

Play	web only
Home	`https://medlineplus.gov`
Notes	World's largest medical library, on-line
	US National Institutes of Health (NIH)

Linux Commands

	`id=linux.command`
Home	app only
Note	Comprehensive guide to Linux commands

Git Commands

	`id=com.shubham.gitcommands`
Home	app only
Note	Comprehensive guide to Git commands

Regex Commands

Play	`id=com.techpurush.regexcheatsheet`
Home	app only
Note	Comprehensive guide to regex

Java Keywords

ouva irey words	
Play	'id=com. '
Home	app only
Note	Comprehensive guide to Java programming

Broken

A growing list of apps that don't work anonymously, but it would be nice if they did.

Yahoo!

	`id=com.yahoo.mobile.client.android.mail`
Home	`https://yahoo.com`
Text	Google Voice rejected

Flickr

_	
	`id=com.flickr.android`
Home	`https://www.flickr.com `
Note	login loop on app, Tor / CAPTCHA

LinkedIn

	`id=com.linkedin.android`
	`https://www.linkedin.com `
Note	account restricted, photo ID required

Trademarks

	web only
	`https://www.uspto.gov`
Note	Government photo ID required

Patents

	web only
Home	`https://www.uspto.gov`
Note	Government photo ID required

Quora

	`id=com.quora.android`
	`https://www.quora.com`
Note	Does not connect over Tor

Google Cloud Console

	`id=com.google.android.apps.cloudconsole`
Home	`https://datastudio.google.com`
Note	Does not connect over Tor

Microsoft Authenticator

	`id=com.azure.authenticator`
	app only
Note	Does not connect over Tor

Facebook

	`id=com.facebook.katana`
Home	`https://www.facebook.com`
Note	Not an anonymous service

TikTok

	`id=com.zhiliaoapp.musically`
Home	`https://www.tiktok.com`
Note	Not an anonymous service