Barebones

From CyanogenMod Wiki

Some of the apps that come with your phone can be safely removed without causing stability issues. They take up space and use resources that could be used for other things. Removing unwanted apps will make your phone run faster and smoother, plus, you can configure it just they way you want it.

Below is a chart that shows what apps come pre-installed on your CyanogenMod Phone. You can delete any app that shows 'yes' under 'safe to delete'; However, **if you delete an app, you will no longer be able to use its functionality** until you reinstall it.

For example, You can remove the Browser.apk and HTMLViewer.apk and the phone will be perfectly stable and will work just fine as a phone, but you will no longer be able to surf the Internet from your phone. If you never use your phone to surf the web, it would be perfectly safe for you to remove these two files.

Some of these files are needed during the install process, but are not needed afterwards, so it is better (and easier) to delete these files after installing CM (instead of deleting the files out of the .zip and re-signing it).

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Backup apks

You should back up any apks that you plan to remove. That way, you can easily re-install them if you change your mind. You have two main options:

1. Nandroid backup from the recovery console, or
2. Manual backup from adb:

```
adb pull /system/app/ ~/Desktop/app/
```

How to delete/uninstall applications

To completely uninstall an application and its data, you need to execute two commands:

```
rm -f /{data,system}/app/<apkname>.apk
pm uninstall <apkname>
```

To execute commands on the Android, you can either use adb from the PC/Mac,

```
adb shell <command>
```

or a terminal application directly on the device (just type the command). Beware that the Terminal application in CyanogenMod won't let you type digits (http://code.google.com/p/cyanogenmod/issues/detail?id=734) using the Android keyboard. As a workaround, you can connect via SSH, or use androidscreencast (http://code.google.com/p/androidscreencast/) .

Note that some applications are in /system/app, and others are in /data/app.

/system/app/

Before deleting apps from /system, you need to remount it in read/write mode:

```
adb remount
```

-or-

```
mount -o rw,remount /system
```

Then, run the two commands, prefixed with adb shell, if you're launching them the computer:

```
rm -f /system/app/<apkname>.apk
pm uninstall <apkname>
```

apk name	safe to remove	size (bytes)	description
~~AlarmClock.apk~~	yes	N/A	Alarm Clock app (removed in 4.2.14.1)
ApplicationsProvider.apk	no	12981	Data backend for apps?
Bluetooth.apk	yes	104997	Bluetooth app
Browser.apk	yes	376274	Internet Browser
BugReport.apk	yes	21771	Bug reporting, Log creator. (Hold [menu] and [back]?)
Calculator.apk	yes	61644	Calculator app
Calendar.apk	no*	215652	Calander app and widget
CalendarProvider.apk	no*	110061	Data backend for the Calendar app
Camera.apk	yes	435336	Camera app
com.amazon.mp3.apk	yes	552871	App that links to Amazon .mp3 store
Contacts.apk	no	442529	Contacts app (The 'Call log', 'Contacts', and 'Favorites' screens)
DeskClock.apk	yes	277014	Clock and Alarm app
Development.apk	yes	83077	Development app that gives access to development functions

DownloadProvider.apk	no	52704	Handles downloading files (Market, Browser, etc)
DrmProvider.apk	no	11775	Provides DRM functions, needed to access media files (including ringtones)
Email.apk	yes	420448	POP/IMAP email client
EnhancedGoogleSearchProvider.apk	no*	137227	Data backend for google search (search recommendations?)
FieldTest.apk	yes	80581	Fieldtest app used by carrier (not needed for phone to work, but may be needed for debugging?)
GlobalSearch.apk	no*	74133	Global search on phone
Gmail.apk	no*	414393	Gmail
GmailProvider.apk	no*	133222	Data backend for Gmail
GoogleApps.apk	no*	159757	Google apps common? Used by Android Market.
GoogleBackupTransport.apk	no*	31203	No idea?
GoogleCheckin.apk	no*	31775	No idea?
GoogleContactsProvider.apk	no*	87218	Data backend for Contacts
GooglePartnerSetup.apk	no*	35271	No idea?
GoogleSearch.apk	no*	?	Google Search
GoogleSettingsProvider.apk	no*	41882	Google settings?
GoogleSubscribedFeedsProvider.apk	no*	77206	unk (RSS?) Used by Android Market. Provides synchronization settings in system settings.
gtalkservice.apk	no*	258685	Google Talk. Used by Android Market.
HTMLViewer.apk	yes	8611	HTML parser for Browser?
~~IM.apk~~	N/A	N/A	IM clients (Yahoo, MSN, AIM, etc) -removed 4.2.11
ImProvider.apk	no*	58524	Used by gtalk? Used by Android Market.
kickback.apk	yes	4880	Gives haptic feedback for some apps (accessibility menu option)
LatinIME.apk	no	1280409	On-screen keyboard (Needed for first boot and libraries)
LatinImeTutorial.apk	yes	85731	Tutorial for on-screen keyboard
Launcher.apk	no	1987853	Home screen app
Maps.apk	no*	2624265	Google Maps
MarketUpdater.apk	no	6779	Updates Vending.apk?
MediaProvider.apk	no	36379	Needed to access media files (including ringtones)
MediaUploader.apk	yes	292588	Upload media to remote servers? Picasa?
Mms.apk	no	441784	Provides mms (text) services
Music.apk	yes	518754	Music Player (and "Video" Player)
NetworkLocation.apk	no	48255	Provides network location (to switch cell towers? 911 Locations?)

PackageInstaller.apk	no	43423	Installs apks
Phone.apk	no	560632	Enables phone functions ('Dialer' screen)
PicoTts.apk	yes	7005	Text to speech from SD data?
Provision.apk	no	?	Enables data service (3G, EDGE, etc)
Settings.apk	no	957694	Phones settings menu
SettingsProvider.apk	no	26683	Phone settings data backend
SetupWizard.apk	yes	367775	Setup Wizard when you first use your phone. (If you delete this and then wipe your phone, you will need to do a complete re-install.)
soundback.apk	yes	80809	Gives audio feedback for some apps (accessibility menu option)
SoundRecorder.apk	yes	45209	Records sounds ("Sound Recorder")
SpareParts.apk	yes	14948	Extra 'settings' menu for hidden/added options
Stk.apk	yes	53976	Manages multiple SIM cards
Street.apk	no*	116972	Streetview for Google maps
Superuser.apk	yes	16549	Remembers 'su' settings
SystemUpdater.apk	N/A	N/A	OTA updater for 'offical' ROMs (Not used by CM)
Talk.apk	no*	336766	Google Talk
talkback.apk	yes	38588	Gives voice feedback for some apps (accessibility menu option)
TelephonyProvider.apk	no	37772	data backend for Phone.apk
Term.apk	yes	34167	Gives access to terminal
TmoImPlugin.apk	N/A	N/A	T-mobile IM Client -removed 4.2.11
TtsService.apk	yes**	14800	Text to Speech
UserDictionaryProvider.apk	yes	6541	Dictionary for LatinIME?
Vending.apk	no	757809	Market app
VoiceDialer.apk	yes	44651	Voice dialer app
VoiceSearch.apk	yes	257547	Voice Search for Google Search, Google Maps, etc
VpnServices.apk	yes	25289	Virtual Private Network app
YouTube.apk	yes	456055	YouTube player

*Google apps. Strictly speaking, these apps are not necessarily needed for the phone to work, however, these apps are tightly integrated with Google branded Android, and removing them could cause stability issues.

**TtsService.apk. This app is safe to remove, however, it is needed for speech for Google Navigation. Google Nav will work fine without it - just no voice directions.

/data/app/

To delete:

```
rm -f /data/app/<apkname>.apk
pm uninstall <apkname>
```

apk name	safe to remove	size (bytes)	description
~~android-log-collector-1.0.0.apk~~	yes	N/A	Log collector for debugging (replaced by xtralogic in 4.2.12)
com.xtralogic.android.logcollector.apk	yes	13738	Log collector for debugging
Mail.apk	yes	1379194	Exchange server client ("Work Email") (Moved to /data/app in 4.2.12)
sam2.apk	yes	464095	Alternate Market app

Restore apks

Change your mind? No problem! You have two options, depending on how you backed up your files:

1. Restore your Nandroid backup from the recovery console, or
2. Manually restore your missing apks:

```
adb install ~/Desktop/app/[appname].apk
```

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