	Mapped Classes	Added Classes	Removed Entry Points Classes (official/ unofficial)	Reachable Methods (official/ unofficial)	Mapped Entry Points	Added Entry Points	Removed Entry Poir		Call Graph Difference	Permission Changes	Repackaging Reason
com.droidhen.game.dinosa ur (1.3.7 — 43)	1285	487	0 36 (86)	3110 (3985)	36	5	0	0	11 (8 — Google Ads, 1 — Umeng, 2 — Baidu Ads)	+android.permission.READ_LOGS	Baidu Ads     Google Ads     Umeng
com.rootuninstaller.eraserpr o (1.4 — 13)	256	20	0 43 (53)	740 (828)	43	1	0	0	2 (Remove facebook, AntTekStore)	+android.permission.READ_PHONE_STATE +android.permission.INTERNET +android.permission.ACCESS_NETWORK_STATE +android.permission.ACCESS_WIFI_STATE	Steal device info     Download apps (Ads)     (fire up when network status changes or package added)
com.shinybox.smash (1.7.0.0 — 142341700)	2302	36	0 62 (71)	1098 (1191)	62		9	0	6 (2 – Hijack buying, 2 – show Ads, 2 – malicious behavior)	+android.permission.INTERNET +android.permission.READ_PHONE_STATE +android.permission.ACCESS_NETWORK_STATE +android.permission.WRITE_EXTERNAL_STORAGE +android.permission.ACCESS_WIFI_STATE +android.permission.SYSTEM_ALERT_WINDOW +android.permission.GET_TASKS +android.permission.ACCESS_COARSE_LOCATION	Crack buying in-app products     Something malicious? (String Encrypted, Call methods through reflection)
com.tokyopop.wallpaper.pa	17	2	1 5 (4)	29 (21)	4		0	1	1	None None	1. Localization
nda (1.1 – 2)  com.easytime.dragonchaser	27	0	0 5 (5)	63 (63)	5		0	0	None	None	1. Localization
(2.5 – 25)  com.gavinbrown.blindscape	102	0	0 12 (12)	347 (347)	12		0	0	None	None	1. Localization
(1.0 — 1)  com.paladin.defencehero2 (1.0.6 — 7)	185	15	0 53 (63)	425 (492)	53	1	0	0	1 (Start push service)	+android.permission.INTERNET +android.permission.READ_PHONE_STATE +android.permission.WRITE_EXTERNAL_STORAGE +android.permission.ACCESS_NETWORK_STATE +android.permission.INSTALL_PACKAGES +android.permission.RECEIVE_BOOT_COMPLETED	Download and install apps.
com.melimots.WordSearch (1.14 — 18)	967	131		92 (1778)	72		0		None	+android.permission.ACCESS_NETWORK_STATE +android.permission.WRITE_EXTERNAL_STORAGE +android.permission.ACCESS_WIFI_STATE +android.permission.RESTART_PACKAGES +android.permission.SYSTEM_ALERT_WINDOW +android.permission.GET_TASKS	Download apps     Enable JS, remote command execution
brain.teasers.logic.puzzles.r iddles (1.5 — 5)	2053	175	43 105 (2348)	124 (2946)	102	2	2	3	119 (Most of are false positives: StringBuilder, inner classes; the rest are caused by different version)	+android.permission.READ_PHONE_STATE +android.permission.ACCESS_NETWORK_STATE +android.permission.WRITE_EXTERNAL_STORAGE +android.permission.ACCESS_COARSE_LOCATION +android.permission.ACCESS_FINE_LOCATION +android.permission.ACCESS_WIFI_STATE +android.permission.SYSTEM_ALERT_WINDOW +android.permission.RECEIVE_BOOT_COMPLETED +android.permission.WAKE_LOCK +android.permission.GET_TASKS +android.permission.VIBRATE +com.android.vending.BILLING +android.permission.INTERNET	<ol> <li>Umeng</li> <li>Ads</li> <li>Enable JS</li> <li>(The version codes are same, but version names are different, official 1.5—5, unofficial 1.4—5)</li> </ol>
cn.com.nd.s.skin.diaoyuisla nds (1.0 -1)	9	0	0 3 (51)	3 (48)	3		0	0	3 (Removed 3 Intent relevant method calls)	None	1. The unofficial app is signed with the debug key.
com.AndPhone.game.Cross Road (1.0.3 — 11)	483	111	80 44 (1206)	52 (1238)	38	1	4	6	254 (Most are caused by different version, the rest fire up ads)	-android.permission.WRITE_EXTERNAL_STORAGE	<ol> <li>Removed Google Ads</li> <li>Add Mouse Ads</li> <li>(Should be different version: official 1.0.3—11, 1.0.8 — 11)</li> </ol>
com.bangdev.freakingmath	3054 30	0 47	,	57 (1087) 14 (477)	57	1	0		<ul><li>1 (Removed google ads)</li><li>1 (Fire up ads)</li></ul>	None +android.permission.INTERNET	Remove Google ads     Add ads (Kuguo)
(1.2.8 — 13)	30	47	0 4 (27)	14 (477)	4	1	O	O	i (i iie up aus)	+android.permission.NTETINET +android.permission.ACCESS_NETWORK_STATE +android.permission.WRITE_EXTERNAL_STORAGE +android.permission.READ_PHONE_STATE +android.permission.WAKE_LOCK	1. Add ads (Ruguo)
com.divmob.doodlebubble (1.1.8 — 12)	664	442	11 9 (290)	50 (985)	8	4	2	1	2 (False positives, inner classes)	+android.permission.ACCESS_FINE_LOCATION +android.permission.READ_PHONE_STATE +android.permission.ACCESS_COARSE_LOCATION +android.permission.WRITE_EXTERNAL_STORAGE +android.permission.CHANGE_WIFI_STATE +android.permission.ACCESS_WIFI_STATE	1. Add ads 2. Get location (Should be different version: official 1.1.8 — 12, 10 — 12)
com.DragonKnight (1.0 — 1)	211	328	0 30 (809)	66 (1886)	30	3	6	0	1 (Fire up ads)	+android.permission.INTERNET +android.permission.WAKE_LOCK +android.permission.READ_PHONE_STATE +android.permission.ACCESS_NETWORK_STATE +android.permission.WRITE_EXTERNAL_STORAGE +android.permission.GET_TASKS +android.permission.SYSTEM_ALERT_WINDOW +android.permission.ACCESS_WIFI_STATE +com.android.launcher.permission.INSTALL_SHORTCUT	Add ads     Install shortcuts
com.dws.release.udaaku (1.2 — 2)	3038			117 (3079)	71		6		3 (Fire up ads)	+android.permission.INTERNET +android.permission.WAKE_LOCK +android.permission.READ_PHONE_STATE +android.permission.ACCESS_NETWORK_STATE +android.permission.WRITE_EXTERNAL_STORAGE +android.permission.ACCESS_WIFI_STATE +android.permission.PROCESS_OUTGOING_CALLS +com.android.launcher.permission.INSTALL_SHORTCUT	1. Add ads 2. Install shortcuts 3. Fire up webchat  (replace key string)
com.elky.likekids.enfree (1.16 — 25)	119	117	703 104 (1409)	53 (802)	18	3	5	86	181	+android.permission.RECEIVE_BOOT_COMPLETED +android.permission.READ_PHONE_STATE +android.permission.ACCESS_COARSE_LOCATION +android.permission.ACCESS_FINE_LOCATION +android.permission.ACCESS_WIFI_STATE +android.permission.READ_EXTERNAL_STORAGE +android.permission.MOUNT_UNMOUNT_FILESYSTEMS +android.permission.GET_TASKS +android.permission.CHANGE_WIFI_STATE +android.permission.VIBRATE	1. Add ads (Should be different versions: official 1.16–25, unofficial 2.6.4–25)
com.ettinentertainment.cast lebuilder (1.0 — 1)	523	184	0 49 (922)	73 (1557)	49	2	4	0	2 (Fire up Ads and Umeng)	+android.permission.GET_TASKS +com.android.vending.BILLING +android.permission.INTERNET +android.permission.ACCESS_NETWORK_STATE +android.permission.WRITE_EXTERNAL_STORAGE +android.permission.READ_PHONE_STATE +android.permission.ACCESS_WIFI_STATE +android.permission.READ_LOGS +android.permission.WAKE_LOCK +android.permission.RECEIVE_BOOT_COMPLETED +android.permission.ACCESS_COARSE_LOCATION +android.permission.ACCESS_FINE_LOCATION +android.permission.SYSTEM_ALERT_WINDOW +android.permission.GET_ACCOUNTS	1. Ads 2. Umeng 3. Enable JS
com.fiema.beamcannon (1.0 — 1)	1278	15	0 27 (1018)	33 (1131)	27		6	0	1 (Fire up ads)	+android.permission.INTERNET +android.permission.WAKE_LOCK +android.permission.READ_PHONE_STATE +android.permission.ACCESS_NETWORK_STATE +android.permission.WRITE_EXTERNAL_STORAGE +android.permission.ACCESS_WIFI_STATE +android.pereMsission.ACCESS_FINE_LOCATION +android.pereMsission.ACCESS_COARSE_LOCATION +com.android.launcher.permission.INSTALL_SHORTCUT	Add ads     Install shortcuts
com.gamebility.fruitmatchin g (1.0 — 1)	514	60	0 26 (654)	35 (741)	26		9	0	1 (Fire up ads)	+android.permission.ACCESS_NETWORK_STATE +android.permission.ACCESS_WIFI_STATE +android.permission.CHANGE_WIFI_STATE +android.permission.CHANGE_NETWORK_STATE +android.permission.READ_PHONE_STATE +android.permission.INTERNET +android.permission.WRITE_EXTERNAL_STORAGE +android.permission.MOUNT_UNMOUNT_FILESYSTEMS +android.permission.RESTART_PACKAGES +android.permission.WRITE_SETTINGS +android.permission.WDIFY_PHONE_STATE (<= 2.2) +android.permission.ACCESS_FINE_LOCATION +android.permission.ACCESS_COARSE_LOCATION +android.permission.RECEIVE_BOOT_COMPLETED +android.permission.CHANGE_CONFIGURATION +android.permission.CONTROL_LOCATION_UPDATES	1. Add ads