OS API Changes Analysis Report

Table of Contents

A	Additions (Added symbols / Total symbols).
R	Removals (Removed symbols / Total symbols).
C	Changes (Changed symbol or data type / Total symbols and types).
T	Total particular changes of a symbol signature or data type structure (may be multiple per one symbol or data type). This is not a sum of A, R and C.

1. Android

Analysis of Android Platform API: android.jar and data/layoutlib.jar

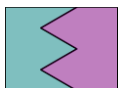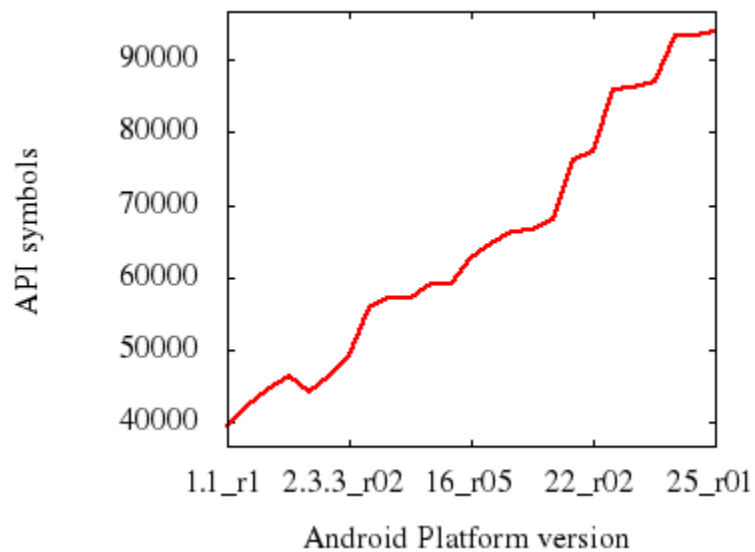| Version	Additions	Removals	Changes	Total
25_r01	0.65% (550 of 83892)	0.08% (69 of 83892)	0.11% (104 of 91953)	342
24_r02	0.001% (1 of 83343)	0.001% (1 of 83343)	0.002% (2 of 91383)	2
24_r01	9.81% (8334 of 84926)	2.10% (1787 of 84926)	0.74% (685 of 93084)	3290
23_r03	1.21% (928 of 76691)	0.07% (56 of 76691)	0.46% (391 of 84185)	674

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23_r02	0.02% (18 of 75769)	0.01% (5 of 75769)	0.01% (5 of 83125)	13
23_r01	11.82% (9046 of 76557)	2.51% (1925 of 76557)	0.76% (629 of 83090)	3157
22_r02	1.86% (1259 of 67785)	0.39% (263 of 67785)	0.40% (297 of 74248)	1201
21_r02	14.90% (10187 of 68358)	2.58% (1761 of 68358)	0.78% (575 of 74121)	4863
20_r02	2.73% (1596 of 58367)	0.33% (193 of 58367)	0.12% (76 of 64034)	306
19_r04	5.15% (3067 of 59596)	4.72% (2814 of 59596)	0.64% (415 of 65283)	1283
18_r03	4.41% (2528 of 57313)	1.44% (825 of 57313)	0.32% (202 of 62899)	859
17_r03	5.55% (3110 of 55995)	2.11% (1184 of 55995)	0.48% (292 of 61419)	1480
16_r05	7.27% (3880 of 53383)	1.12% (598 of 53383)	0.41% (241 of 58555)	1446
15_r05	0.40% (196 of 49529)	0.06% (32 of 49529)	0.09% (51 of 54686)	152
14_r04	6.60% (4035 of 61118)	3.79% (2314 of 61118)	12.17% (8047 of 66095)	19569
3.2_r01	0.47% (270 of 57158)	0.11% (65 of 57158)	0.10% (63 of 62129)	405
3.1_r03	2.54% (1449 of 57072)	0.31% (177 of 57072)	0.25% (152 of 61988)	625
3.0_r02	13.80% (7853 of 56893)	2.05% (1166 of 56893)	0.89% (543 of 61287)	3986
2.3.3_r02	7.82% (3940 of 50374)	2.59% (1307 of 50374)	0.75% (410 of 54642)	1720

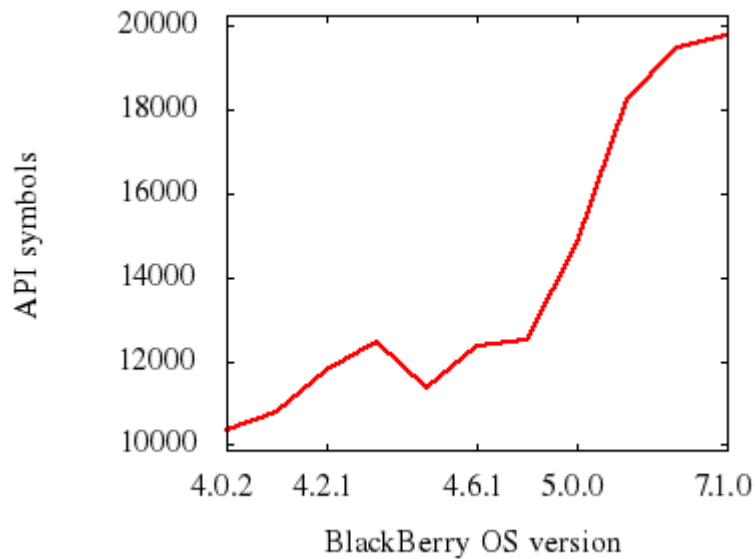|				
2.2_r03	7.30% (3483 of 47721)	2.66% (1267 of 47721)	0.78% (404 of 51806)	1715
2.1_r03	3.33% (1506 of 45238)	2.23% (1011 of 45238)	0.27% (131 of 49248)	425
2.0_r01	5.77% (2719 of 47127)	1.56% (737 of 47127)	0.57% (290 of 51319)	1501
1.6_r03	5.94% (2662 of 44845)	0.86% (385 of 44845)	0.45% (220 of 48882)	1459
1.5_r04	10.84% (4801 of 44295)	4.73% (2093 of 44295)	1.06% (510 of 48247)	2068
1.1_r1				

2. BlackBerry

Analysis of BlackBerry JDE API: net_rim_api.jar

Version	Additions	Removals	Changes	Total
7.0.1	1.42% (279 of 19660)	0% (0 of 19660)	0.05% (10 of 21903)	15
7.0.0	6.46% (1253 of 19389)	0% (0 of 19389)	0.76% (164 of 21589)	350
6.0.0	18.93% (3438 of 18158)	0.01% (1 of 18158)	0.43% (86 of 20220)	210
5.0.0	18.52% (2829 of 15278)	3.55% (543 of 15278)	1.25% (212 of 17008)	430
4.7.0	1.45% (181 of 12470)	0.02% (2 of 12470)	0.06% (9 of 13947)	18
4.6.1	8.04% (988 of 12291)	0.02% (2 of 12291)	0.13% (18 of 13737)	41
4.5.0	0.98% (123 of 12577)	9.76% (1227 of 12577)	0.63% (87 of 13892)	526
4.3.0	5.75% (719 of 12506)	0.38% (47 of 12506)	0.54% (75 of 13801)	170
4.2.1	9.28% (1105 of 11902)	0.96% (114 of 11902)	0.77% (101 of 13145)	423
4.1.0	4.35% (471 of 10822)	0.21% (23 of 10822)	0.58% (69 of 11965)	138
4.0.2				

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3. Symbian

Analysis of all DSO libraries in the Symbian SDK.

Version	Additions	Removals	Changes	Total
^3	5.07% (1364 of 26906) +166 libraries	0.68% (184 of 26906) +25 libraries	0.39% (192 of 49265)	435
S60 5th	2.92% (775 of 26555) +13 libraries	0.15% (40 of 26555)	0.08% (39 of 47800)	122
S60 3rd				

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4. Maemo

Analysis of all *.SO libraries in the Maemo SDK.

Version	Additions	Removals	Changes	Total
6.0 (Harmattan)	8.19% (2719 of 33181) +219 libraries	0.17% (57 of 33181) +94 libraries	0.57% (258 of 45180)	555
5.0	10.61% (3131 of 29498) +51 libraries	0.08% (25 of 29498) +30 libraries	0.84% (338 of 40346)	607
4.1.2	0.59% (160 of 27088) +9 libraries	0.03% (8 of 27088) +3 libraries	0.15% (58 of 39725)	110
4.0	6.62% (1513 of 22842) +37 libraries	0.14% (31 of 22842) +21 libraries	0.43% (139 of 32201)	394
3.1				

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