

| Tool Name | Execution Time (s) | Total Energy (J) | CPU Energy (J) | Memory Energy (J) | Energy/Time (J/s) |
|-------------------------|--------------------|------------------|----------------|-------------------|-------------------|
| CMake | 3 (22.2) | 3 (42.5) | 3 (43.5) | 3 (20.2) | 3 (19.0) |
| qmake | 4 (23.0) | 4 (43.0) | 4 (44.0) | 4 (20.7) | 3 (19.0) |
| Qbs | 9 (26.5) | 7 (51.0) | 7 (52.0) | 10 (23.5) | 5 (19.5) |
| NetBeans IDE | 8 (26.0) | 10 (54.0) | 9 (55.0) | 9 (23.0) | 6 (20.0) |
| Code::Blocks | 12 (34.0) | 12 (79.0) | 11 (81.0) | 13 (32.0) | 10 (23.0) |
| CLion | 3 (22.2) | 3 (42.5) | 3 (43.5) | 3 (20.2) | 3 (19.0) |
| CodeLite | 6 (24.5) | 7 (51.0) | 8 (53.5) | 8 (22.5) | 7 (20.5) |
| Eclipse CDT | 6 (24.5) | 6 (48.0) | 6 (49.5) | 5 (21.0) | 5 (19.5) |
| KDevelop | 3 (22.2) | 3 (42.5) | 3 (43.5) | 3 (20.2) | 3 (19.0) |
| Geany | 13 (35.0) | 13 (80.0) | 13 (84.0) | 12 (31.0) | 10 (23.0) |
| Anjuta DevStudio | 10 (30.5) | 11 (65.0) | 10 (67.5) | 11 (27.5) | 8 (20.8) |
| Qt Creator | 5 (23.4) | 5 (44.6) | 5 (45.6) | 6 (21.1) | 4 (19.1) |
| DialogBlocks | 7 (25.5) | 8 (52.0) | 9 (55.0) | 9 (23.0) | 5 (19.5) |
| Zinjal | 6 (24.5) | 9 (53.0) | 8 (53.5) | 7 (22.0) | 5 (19.5) |
| GPS | 2 (21.5) | 2 (40.2) | 2 (41.0) | 2 (18.8) | 2 (18.8) |
| Oracle Developer Studio | 8 (26.0) | 10 (54.0) | 9 (55.0) | 9 (23.0) | 6 (20.0) |
| Sphere Engine | 1 (19.0) | 1 (29.0) | 1 (31.0) | 1 (15.0) | 1 (18.0) |
| AWS Cloud9 | 11 (33.0) | 14 (80.5) | 12 (82.5) | 12 (31.0) | 9 (22.5) |

Table 1: Tools Default Profiles ranked with 0 decimal points

| Tool Name | Execution Time (s) | Total Energy (J) | CPU Energy (J) | Memory Energy (J) | Energy/Time (J/s) |
|-------------------------|--------------------|------------------|----------------|-------------------|-------------------|
| CMake | 3 (41.2) | 3 (101.2) | 3 (96.2) | 3 (39.8) | 3 (46.8) |
| qmake | 8 (45.3) | 4 (105.7) | 4 (99.3) | 6 (42.3) | 4 (47.0) |
| Qbs | 11 (50.5) | 9 (124.5) | 9 (119.5) | 11 (49.5) | 7 (50.0) |
| NetBeans IDE | 10 (49.5) | 11 (127.0) | 9 (119.5) | 10 (47.5) | 7 (50.0) |
| Code::Blocks | 15 (65.0) | 15 (179.0) | 14 (174.0) | 15 (60.0) | 11 (59.0) |
| CLion | 3 (41.2) | 3 (101.2) | 3 (96.2) | 3 (39.8) | 3 (46.8) |
| CodeLite | 6 (44.0) | 7 (118.0) | 7 (114.0) | 7 (42.5) | 8 (50.5) |
| Eclipse CDT | 5 (43.5) | 6 (112.5) | 6 (108.0) | 5 (42.0) | 6 (49.0) |
| KDevelop | 3 (41.2) | 3 (101.2) | 3 (96.2) | 3 (39.8) | 3 (46.8) |
| Geany | 14 (63.0) | 13 (170.0) | 12 (165.0) | 14 (59.0) | 12 (62.0) |
| Anjuta DevStudio | 12 (57.2) | 12 (150.5) | 11 (143.0) | 12 (54.5) | 9 (52.0) |
| Qt Creator | 7 (44.7) | 5 (107.9) | 5 (102.4) | 8 (42.8) | 5 (47.6) |
| DialogBlocks | 9 (46.0) | 10 (125.5) | 10 (120.0) | 9 (44.5) | 9 (52.0) |
| Zinjal | 4 (42.0) | 8 (121.5) | 8 (116.5) | 4 (40.5) | 10 (58.0) |
| GPS | 2 (38.0) | 2 (96.2) | 2 (91.5) | 2 (35.8) | 2 (46.5) |
| Oracle Developer Studio | 10 (49.5) | 11 (127.0) | 9 (119.5) | 10 (47.5) | 7 (50.0) |
| Sphere Engine | 1 (33.0) | 1 (81.0) | 1 (79.0) | 1 (34.0) | 1 (44.0) |
| AWS Cloud9 | 13 (61.0) | 14 (178.5) | 13 (173.0) | 13 (55.5) | 13 (63.5) |

Table 2: Tools Default Profiles ranked with 1 decimal points

| Tool Name | Execution Time (s) | Total Energy (J) | CPU Energy (J) | Memory Energy (J) | Energy/Time (J/s) |
|-------------------------|--------------------|------------------|----------------|-------------------|-------------------|
| CMake | 4 (87.2) | 3 (128.8) | 3 (127.5) | 4 (81.2) | 2 (109.8) |
| qmake | 6 (92.7) | 4 (136.7) | 4 (133.7) | 7 (87.0) | 3 (112.3) |
| Qbs | 10 (109.5) | 11 (164.0) | 11 (160.5) | 11 (103.0) | 7 (119.0) |
| NetBeans IDE | 9 (108.0) | 10 (162.0) | 10 (158.0) | 10 (99.5) | 6 (116.0) |
| Code::Blocks | 14 (137.0) | 15 (226.0) | 15 (231.0) | 14 (120.0) | 12 (143.0) |
| CLion | 4 (87.2) | 3 (128.8) | 3 (127.5) | 4 (81.2) | 2 (109.8) |
| CodeLite | 5 (88.0) | 7 (148.5) | 7 (151.0) | 3 (80.0) | 9 (122.0) |
| Eclipse CDT | 8 (96.0) | 6 (139.5) | 6 (144.0) | 6 (86.0) | 5 (113.5) |
| KDevelop | 4 (87.2) | 3 (128.8) | 3 (127.5) | 4 (81.2) | 2 (109.8) |
| Geany | 13 (133.0) | 13 (216.0) | 13 (214.0) | 15 (121.0) | 11 (139.0) |
| Anjuta DevStudio | 11 (123.0) | 12 (188.8) | 12 (189.0) | 12 (111.8) | 8 (121.8) |
| Qt Creator | 7 (94.0) | 5 (139.2) | 5 (136.9) | 8 (88.0) | 4 (112.7) |
| DialogBlocks | 7 (94.0) | 9 (156.0) | 9 (156.0) | 9 (89.0) | 9 (122.0) |
| Zinjal | 3 (87.0) | 8 (153.0) | 8 (152.5) | 5 (83.0) | 10 (126.5) |
| GPS | 2 (76.5) | 2 (121.8) | 2 (123.2) | 2 (71.2) | 5 (113.5) |
| Oracle Developer Studio | 9 (108.0) | 10 (162.0) | 10 (158.0) | 10 (99.5) | 6 (116.0) |
| Sphere Engine | 1 (71.0) | 1 (103.0) | 1 (106.0) | 1 (67.0) | 1 (107.0) |
| AWS Cloud9 | 12 (127.0) | 14 (223.5) | 14 (224.5) | 13 (114.0) | 13 (148.0) |

Table 3: Tools Default Profiles ranked with 2 decimal points

| Tool Name | Execution Time (s) | Total Energy (J) | CPU Energy (J) | Memory Energy (J) | Energy/Time (J/s) |
|-------------------------|--------------------|------------------|----------------|-------------------|-------------------|
| CMake | 3 (123.0) | 3 (137.2) | 3 (136.5) | 3 (119.0) | 3 (142.8) |
| qmake | 6 (129.3) | 4 (146.3) | 4 (144.7) | 5 (126.0) | 2 (140.7) |
| Qbs | 10 (153.5) | 11 (177.5) | 11 (173.0) | 10 (152.0) | 8 (155.5) |
| NetBeans IDE | 10 (153.5) | 10 (172.5) | 10 (169.0) | 9 (148.5) | 7 (150.5) |
| Code::Blocks | 13 (200.0) | 15 (243.0) | 15 (249.0) | 14 (193.0) | 14 (187.0) |
| CLion | 3 (123.0) | 3 (137.2) | 3 (136.5) | 3 (119.0) | 3 (142.8) |
| CodeLite | 4 (123.5) | 7 (157.0) | 7 (159.5) | 4 (123.0) | 11 (160.0) |
| Eclipse CDT | 9 (137.5) | 5 (148.5) | 6 (153.5) | 7 (130.0) | 5 (145.0) |
| KDevelop | 3 (123.0) | 3 (137.2) | 3 (136.5) | 3 (119.0) | 3 (142.8) |
| Geany | 14 (201.0) | 13 (232.0) | 13 (231.0) | 13 (191.0) | 13 (181.0) |
| Anjuta DevStudio | 11 (176.8) | 12 (201.5) | 12 (201.8) | 11 (171.5) | 9 (156.2) |
| Qt Creator | 7 (131.9) | 6 (149.2) | 5 (147.3) | 6 (128.7) | 4 (144.9) |
| DialogBlocks | 8 (136.0) | 9 (164.5) | 9 (164.5) | 8 (136.0) | 10 (157.0) |
| Zinjal | 5 (128.5) | 8 (163.5) | 8 (162.5) | 7 (130.0) | 12 (163.0) |
| GPS | 2 (110.0) | 2 (130.2) | 2 (132.2) | 2 (107.0) | 6 (147.8) |
| Oracle Developer Studio | 10 (153.5) | 10 (172.5) | 10 (169.0) | 9 (148.5) | 7 (150.5) |
| Sphere Engine | 1 (95.0) | 1 (110.0) | 1 (110.0) | 1 (96.0) | 1 (137.0) |
| AWS Cloud9 | 12 (188.5) | 14 (237.5) | 14 (240.0) | 12 (185.0) | 15 (193.0) |

Table 4: Tools Default Profiles ranked with 3 decimal points