|  |  |
| --- | --- |
| .alx | 3:129 |
| .apk | 1:30, 1:32-33, 1:35, 1:37-40, 1:42, 1:257 |
| .app | 1:236-239, 2:51-52, 2:71, 2:93-94, 2:97-98, 2:103, 2:127, 2:145, 2:150, 2:157, 2:174, 3:13, 3:39, 3:95, 4:7, 4:78, 4:92, 4:138 |
| .bar | 3:86, 3:129 |
| .bbb | 3:38, 3:66, 3:69, 3:83, 3:130 |
| .cod | 1:149, 3:49, 3:129 |
| .ipd | 3:38-39, 3:43, 3:130 |
| .jad | 3:129, 4:92, 4:142, 4:146 |
| .jar | 1:32, 1:40, 1:42, 1:44, 3:129, 4:92, 4:142, 4:146 |
| .kml | 2:67 |
| .mbm | 4:92, 4:138 |
| .mif | 4:78, 4:92, 4:138 |
| .nfl | 4:92, 4:142 |
| .obliterated | 2:123-127 |
| .rem | 3:79, 3:130 |
| .rms | 4:92, 4:142, 4:145, 4:148-149 |
| .rsc | 4:78, 4:92, 4:138 |
| .sis | 4:83, 4:92, 4:138 |
| /cache | 1:224, 1:228, 1:230, 1:260, 2:67, 4:51, 4:112 |
| /data | 1:182, 1:184, 1:191, 1:199, 1:206-209, 1:224, 1:226, 1:230, 1:232, 1:234, 1:236-237, 1:244, 1:256-261, 1:263, 1:370, 1:372-373, 1:375, 2:54, 2:77, 2:125, 3:82, 4:83, 4:112 |
| /download | 1:32, 1:40, 1:42, 1:225, 1:373, 4:97, 4:102, 4:105-107 |
| /mnt | 1:224, 1:255, 1:257, 1:259-261, 1:263, 1:373 |
| 24kpwn | 2:97 |
| 91 mobile | 4:8 |

# A

|  |  |
| --- | --- |
| ABC Amber | 3:69 |
| Absinthe | 1:46, 1:48 |
| accounts.db | 1:199, 1:224, 1:234 |
| ACPO | 1:362 |
| Acquisition Action | 1:280, 1:282 |
| ActiveSync | 4:106 |
| Address Book | 1:137, 1:232, 1:374, 2:8, 2:91, 3:21, 3:43, 4:11, 4:13, 4:27, 4:111 |
| AddressBook | 2:57, 2:125, 2:145, 3:21 |
| AddressBook.sqlitedb | 2:57, 2:125, 3:21 |
| Adware | 1:16, 1:18 |
| Aggregated Contacts | 2:81-82 |
| Airplane Mode | 1:74-75, 1:77, 1:174, 1:176, 2:18-19, 2:91, 2:142 |
| AirWatch | 4:46 |
| analysis | 1:11, 1:32-35, 1:37-40, 1:42, 1:46, 1:48, 1:53-54, 1:70, 1:85, 1:87, 1:89, 1:93, 1:101, 1:109, 1:122-125, 1:127, 1:129, 1:158-160, 1:162-163, 1:177, 1:192-193, 1:203, 1:212, 1:225, 1:231-232, 1:249-251, 1:256, 1:289, 1:291, 1:305, 1:307, 1:325, 1:366, 2:2, 2:23, 2:26-27, 2:30, 2:45, 2:54, 2:70, 2:81, 2:103, 2:108, 2:130, 2:156-157, 2:192, 3:17, 3:32, 3:64, 3:66, 3:73, 3:99, 3:108, 4:9, 4:13, 4:21, 4:32, 4:46, 4:52, 4:57, 4:64, 4:87, 4:102, 4:104 |
| Andrew Case | 1:190 |
| Andrew Hoog | 1:122, 1:163, 1:225, 1:366, 2:156-157 |
| Andriller | 1:206-207 |
| Android Developer Toolkit | 1:11, 1:32 |
| Android Device Manger | 1:166 |
| Android Runtime | 1:163 |
| AndroidManifest.xml | 1:257, 1:259 |
| Anubis | 1:32, 1:34-35 |
| APK Inspector | 1:32, 1:34 |
| Apple Continuity | 2:12-13 |
| Apple File Connection (AFC) | 2:29-30, 2:39, 2:41 |
| Apple Watch | 2:6-7, 2:38, 2:140-145, 2:147-150, 2:153-154, 3:6 |
| AppleComputer Folder | 3:13 |
| Application Framework | 1:163 |
| Apps Zoom | 4:8 |
| AppsLib | 4:8 |
| Aptoide | 4:8 |
| Archiving | 3:40 |
| Autopsy | 1:11 |

# B

|  |  |
| --- | --- |
| Backdoor | 1:16, 1:18 |
| backup | 1:11, 1:46, 1:48, 1:51, 1:108, 1:110, 1:122, 1:165, 1:171, 1:199, 1:224, 1:375, 1:377, 2:9, 2:20, 2:29-30, 2:33-34, 2:38, 2:41-42, 2:44, 2:51-52, 2:54, 2:87, 2:89, 2:100-104, 2:140, 2:143-144, 3:1, 3:4-13, 3:15-17, 3:21-25, 3:29-32, 3:34-42, 3:45-48, 3:54, 3:56-57, 3:61, 3:66, 3:69-71, 3:77, 3:80-81, 3:83, 3:87, 3:98, 3:100, 3:104, 3:114-115, 3:127, 3:131-132, 3:140-166, 3:170, 4:42, 4:74, 4:78, 4:89, 4:97, 4:99, 4:102 |
| Backup Services | 2:30 |
| Base64 | 4:18-19, 4:34, 4:50 |
| BatchGeo | 2:67 |
| batterystats.bin | 1:259, 1:261 |
| best practice guide | 1:362 |
| Bitdefender | 1:23, 1:25, 1:368, 1:370 |
| Bitlocker | 4:106 |
| BlackBerry | 1:15, 1:51, 1:118, 1:123, 1:165, 1:227, 1:370, 2:59, 2:121, 3:1, 3:4, 3:6-7, 3:11, 3:13, 3:22-23, 3:36-41, 3:43, 3:45-56, 3:58, 3:61, 3:64, 3:66-83, 3:85, 3:87, 3:91, 3:94-95, 3:97-104, 3:110-111, 3:113-114, 3:116-117, 3:121, 3:126-133, 3:140, 3:167-170, 4:8, 4:11, 4:15, 4:35, 4:55 |
| Blackberry Backup | 3:7, 3:13, 3:22, 3:37-38, 3:40-41, 3:45, 3:61, 3:69, 3:80, 3:131 |
| BlackBerry Desktop Manager (BDM) | 1:165, 3:38, 3:48, 3:56, 3:69-70, 3:131 |
| BlackBerry Enterprise Software (BES) | 1:51, 3:48-50, 3:66-67, 3:70, 3:77, 3:114, 3:170, 4:46 |
| BlackBerry Internet Service (BIS) | 3:48 |
| BlackBerry Link | 1:165, 3:48, 3:66, 3:69, 3:83, 3:85, 3:87 |
| BlackBerry Messenger | 2:121, 3:40, 3:58, 3:78, 3:91, 4:35 |
| BlackBerry Messenger (BBM) | 3:40, 3:50, 3:78, 3:91, 3:130, 4:35-37 |
| BlackBerry OS | 3:48-50, 3:52-53, 3:56, 3:76-77, 3:83, 3:87, 3:94, 3:129 |
| BlackBerry OS 10 | 3:50, 3:52-53, 3:56, 3:83, 3:129 |
| BlackBerry Playbook | 3:50, 3:52, 3:129 |
| Blink | 1:199 |
| Blocks | 1:57-59, 1:61-62, 1:358, 2:30, 2:62, 3:102, 4:25, 4:60 |
| Bluetooth | 1:68, 1:75, 1:103, 1:169, 1:171, 1:174, 1:176, 1:224, 1:293-294, 1:296, 1:302, 1:304, 2:18-19, 2:140-141, 2:143-144, 2:149, 3:67, 3:80, 3:133, 3:138, 3:151, 3:169, 4:67, 4:72, 4:81 |
| Bookmarks.db | 2:72, 2:74-75 |
| Bookmarks.plist | 3:19 |
| Boot Loader | 1:82, 1:84, 1:160, 4:105 |
| Box | 1:19, 1:27, 1:29, 1:32-33, 1:35, 1:37-38, 1:88, 1:114, 1:168, 1:232, 1:281, 1:300, 1:308, 1:310, 1:320, 1:322, 1:344, 1:346, 2:6, 2:37-38, 2:91-95, 3:49, 3:53, 3:84-85, 3:112, 3:170, 4:24, 4:34, 4:40, 4:57, 4:74, 4:116, 4:118 |
| Bricking | 1:184 |
| browser.db | 1:242, 1:244 |
| Burner | 1:113 |

# C

|  |  |
| --- | --- |
| cache.cell | 1:240 |
| Cache.db | 1:244, 2:71, 4:50 |
| cache.wifi | 1:240 |
| Call Logs | 1:74, 1:132-134, 1:198, 1:230, 1:232, 2:34, 2:56-57, 2:170-171, 3:15, 3:48, 3:56, 3:58, 3:70, 3:83, 3:90, 3:110, 3:130, 4:13, 4:65, 4:108, 4:111, 4:152 |
| Call logs | 1:74, 1:132-134, 1:198, 1:230, 1:232, 2:34, 2:56-57, 2:170-171, 3:15, 3:48, 3:56, 3:58, 3:70, 3:83, 3:90, 3:110, 3:130, 4:13, 4:65, 4:108, 4:111, 4:152 |
| call\_history.db | 2:56-57, 2:125, 2:170 |
| CallHistory.storedata | 2:56-57, 2:170 |
| callhistory.storedata | 2:56-57, 2:170 |
| Carving | 1:91, 1:93, 1:123, 1:133, 1:136, 1:140-141, 1:158, 1:161, 1:195-197, 1:240, 1:253, 2:2, 2:27, 2:29-30, 2:33, 2:56, 2:58, 2:61-65, 2:74, 2:104, 2:115, 2:128, 3:16, 3:19, 3:47, 3:70, 3:102, 3:104-105, 3:108, 4:12, 4:16, 4:34, 4:155 |
| Cell towers | 1:75, 1:240, 2:66-67 |
| Cellebrite | 1:11, 1:23, 1:25, 1:27-30, 1:62, 1:82, 1:85-89, 1:96, 1:109, 1:118, 1:127, 1:133-134, 1:136-137, 1:141, 1:153, 1:176, 1:186, 1:189, 1:191, 1:199-200, 1:277-291, 1:293, 1:342, 1:352-357, 2:15, 2:19-20, 2:23-24, 2:29, 2:34, 2:38, 2:61, 2:96-97, 3:10, 3:56, 3:61, 3:64, 3:66-67, 3:69-70, 3:80, 3:100, 3:111, 3:116-118, 4:23, 4:28-29, 4:32, 4:35, 4:57, 4:61, 4:83, 4:97, 4:108, 4:117, 4:123-124, 4:136, 4:150 |
| Cellebrite Advanced Investigative Services (CAIS) | 2:96-97 |
| Cells | 1:57, 1:59, 1:62 |
| cemail.vol | 4:111 |
| CFAbsoluteTimeConverter | 2:131 |
| Chain Manager | 1:94, 1:96 |
| chess.db | 1:254, 2:155 |
| chip | 1:18, 1:20, 1:57, 1:59-61, 1:78, 1:80, 1:113, 1:115, 2:19-20, 2:23-24, 2:27, 2:29, 2:33, 2:41, 2:88-89, 2:97, 2:100, 2:105, 3:64, 3:70, 3:102-103, 3:105, 4:55, 4:58, 4:96, 4:105, 4:108-109, 4:116, 4:120, 4:126, 4:132 |
| Chip-off | 1:78, 1:113, 1:115, 3:70, 3:105, 4:55 |
| Class Key | 2:97-98 |
| classes.dex | 1:40, 1:42 |
| CNET | 1:166, 4:8 |
| Cocoa Touch framework | 2:8 |
| com.apple.Carousel | 2:150 |
| com.apple.ipod.plist | 2:51-52 |
| Communications Statistics | 2:81 |
| consolidated.db | 2:67 |
| contacts2.db | 1:230-232, 1:253 |
| Conversion | 1:53, 1:108, 1:110 |
| Cydia | 1:46, 1:48, 2:15, 4:8 |

# D

|  |  |
| --- | --- |
| dalvik-cache | 1:224, 1:258, 1:260 |
| Data Extraction Wizard | 1:103, 1:105, 1:293, 1:295, 1:297-300, 1:304-306, 1:309-312 |
| DCIM/100APPLE | 2:59 |
| DeCode | 1:11, 1:81, 1:132-134, 1:140, 1:142, 1:145, 1:147, 1:149-151, 1:153, 1:193, 1:196-197, 1:199, 1:209, 1:213, 1:240, 1:248, 1:305-314, 2:27, 2:45-46, 2:54, 2:71, 2:73, 2:77, 2:108, 2:133, 3:38, 3:43, 3:68, 3:73, 3:100, 3:102-103, 3:105, 3:108, 3:110-112, 3:114, 3:116, 3:123, 4:18-19, 4:29, 4:34, 4:50, 4:60, 4:63, 4:67-68, 4:80, 4:86, 4:108, 4:155, 4:159 |
| Decode Images | 1:306, 1:311, 1:313 |
| decoding | 1:85, 1:104, 1:135-136, 1:138-140, 1:142-145, 1:147, 1:149, 1:151, 1:153, 1:155-157, 1:197, 1:254, 1:268, 1:296, 1:298, 1:308-311, 2:6, 2:45-46, 2:107, 2:131, 2:155-156, 3:56, 3:64, 3:103-105, 3:114, 4:19, 4:34, 4:61, 4:67, 4:108-109, 4:155 |
| Decompiler | 1:11, 1:32, 1:42, 1:44 |
| deleted | 1:15, 1:60, 1:65, 1:67, 1:74, 1:78-79, 1:122-123, 1:125, 1:129-130, 1:132, 1:142-143, 1:186, 1:195-198, 1:221, 1:223, 1:228, 1:248, 1:253, 1:258, 1:262, 2:19, 2:28-29, 2:33-34, 2:41, 2:48-51, 2:58-59, 2:61, 2:71-72, 2:74, 2:128-129, 2:138, 3:15-16, 3:21, 3:40, 3:43, 3:76, 3:82, 3:85-86, 3:188, 4:11, 4:25, 4:51, 4:57, 4:60, 4:80-81, 4:86, 4:150, 4:156-157 |
| destination\_history | 1:236, 1:238, 4:25 |
| Device Passcode | 2:97, 2:100, 3:56, 3:61, 3:64, 3:66, 3:68, 3:70, 3:83, 3:97, 3:105, 3:170 |
| DeviceRegistry | 2:145, 2:147, 2:149-150, 2:152-153 |
| Dex2Jar | 1:11, 1:32, 1:34, 1:40, 1:42, 1:44 |
| Dexter | 1:32, 1:34 |
| DFU mode | 2:20-21, 2:23-24, 2:29-30, 2:33, 2:87-88, 2:100, 2:102, 2:104-105, 2:187 |
| Digital Camera Images (DCIM) | 1:224, 1:235, 2:54, 2:58-59 |
| dmappmgr.db | 1:259, 1:261 |
| Docs To Go | 3:53, 3:94 |
| Documenting | 1:78, 1:80 |
| Dropbox | 2:37-38, 3:53, 4:40 |
| Dynamic-text.dat | 2:77, 2:79-80 |

# E

|  |  |
| --- | --- |
| eDEC Tarantula | 4:57 |
| Effacable Storage | 2:97-98 |
| Elcomsoft | 2:19, 2:26, 3:23-29, 3:33, 3:69, 3:97 |
| Elcomsoft iOS Forensic Toolkit | 2:19, 2:26 |
| Elcomsoft Phone Password Breaker | 3:23-24, 3:29, 3:97 |
| emmc.db | 1:226 |
| Enable Handoff | 2:144 |
| EnCase | 1:121-122, 3:38, 3:177, 3:186, 4:102, 4:108 |
| Encrypt Local Backup | 2:9, 2:20 |
| Envasi0n | 1:48 |
| Epilog | 1:65 |
| events\_serv.db | 4:156-157 |
| evidentiary locations | 1:134, 1:158, 1:224-226, 1:230-231, 2:2, 2:54-55, 3:15-16, 3:40-41, 3:72, 3:74, 3:76-77, 4:59, 4:78, 4:143 |
| Exchange ActiveSync | 4:106 |
| EXFAT | 1:10 |
| external.db | 1:226-227 |
| extraction | 1:70, 1:78-79, 1:85-86, 1:88, 1:90-93, 1:98, 1:101-105, 1:108, 1:250, 1:277-288, 1:293-314, 1:317-326, 1:347, 1:350, 1:354, 2:15, 2:21, 2:27, 2:46, 2:177-178, 2:189-191, 3:136-138, 3:151, 3:160, 4:97, 4:108-109, 4:115, 4:117, 4:119, 4:124 |

# F

|  |  |
| --- | --- |
| F-Droid | 4:8 |
| Face Unlock | 1:199 |
| Facebook | 1:13, 1:231, 1:234, 1:240, 1:253-254, 1:256, 1:374, 2:127-129, 2:155, 2:157-159, 2:161-165, 3:89, 3:117-119, 3:121-124, 4:24, 4:28, 4:112, 4:144, 4:161 |
| Facebook Messenger | 1:254, 2:155 |
| Facetime | 2:12, 2:142 |
| FaceTime | 2:12, 2:142 |
| Faraday | 1:72-75, 1:77, 1:174, 1:357, 2:18, 3:67, 4:57 |
| FAT file system | 1:80, 1:82, 4:97 |
| fbsyncstore.db | 2:164, 2:168 |
| File Key | 2:97-98, 3:34 |
| File System Acquisition | 1:78, 1:80, 1:82, 1:127, 1:136, 1:186, 1:195, 1:217, 1:352-356, 2:19-20, 2:23-24, 2:29-30, 2:54, 2:100, 2:104-105, 3:56, 3:61, 3:81, 3:96, 3:100, 3:115, 4:35, 4:83 |
| File System Extraction | 1:85-86, 1:278, 1:282, 1:350, 1:354, 4:97, 4:108 |
| Find My iPhone | 1:166, 2:10, 2:123-124 |
| FindMyiPhone | 2:9 |
| Flash Counter | 1:189 |
| Flash Translation Layer (FTL) | 3:64, 3:73, 3:102-104, 3:108, 3:111, 4:60-61 |
| flash.bin | 3:68, 3:103 |
| Flasher box | 4:57, 4:74, 4:116 |
| FlexiSpy | 1:369, 1:371 |
| flowchart | 1:362 |
| FourSquare | 4:24 |
| FreeType | 1:163 |
| Frhed | 1:11 |
| fstab | 2:15 |
| FTK Imager | 1:11, 1:118, 1:121, 1:123, 1:125, 1:197, 1:265, 1:267, 1:273, 3:171-189, 4:102, 4:157 |
| Fuzzy Search | 2:210 |

# G

|  |  |
| --- | --- |
| Garmin Street Pilot | 4:24 |
| Gartner | 1:12 |
| GeoHistory.mapsdata | 2:70, 2:153 |
| GeoServices | 2:145 |
| Gesture | 1:199, 1:207, 1:209, 1:224, 2:6, 2:8 |
| gesture.key | 1:199, 1:207, 1:209, 1:224 |
| Gingerbread | 1:161, 1:366 |
| Glance | 2:144 |
| Good Practice Guide | 1:362 |
| Google Maps | 1:239-240, 2:66, 2:69, 3:19, 4:24-25 |
| Google Wallet | 4:42 |
| GUID | 1:8, 1:63, 1:104, 1:201, 1:277, 1:283, 1:362-364, 2:20, 2:145, 2:147, 2:150, 2:152, 3:13, 3:83, 4:7, 4:105, 4:124 |

# H

|  |  |
| --- | --- |
| Hash | 1:22, 1:199, 1:343, 2:112-114, 3:182 |
| hex | 1:53, 1:81, 1:125, 1:130, 1:134, 1:138, 1:140, 1:143, 1:145-147, 1:154, 1:193, 1:221, 1:223, 1:232, 1:247-248, 1:254, 2:27, 2:48-50, 2:56, 2:72-74, 2:155, 2:164, 3:15-16, 3:19, 3:21, 3:38, 3:43, 3:79, 3:106, 3:110, 3:112, 3:115, 3:188, 4:11-12, 4:25, 4:57, 4:67, 4:80, 4:151, 4:153, 4:155, 4:157 |
| Hex editor | 1:125, 1:221, 2:48, 2:50, 2:72-73, 4:12, 4:25, 4:80, 4:157 |
| HFS+ | 2:37-39, 2:124 |
| History.plist | 2:72, 3:19 |
| Hive | 1:72, 1:74, 1:78, 1:324, 1:326, 1:362, 2:41-42, 2:93-94, 4:104, 4:111 |
| Hotspots | 1:174, 2:18 |
| HTC | 1:199, 1:201, 1:235, 4:96 |
| Huawei | 4:96 |

# I

|  |  |
| --- | --- |
| iCloud | 2:9-11, 2:37-38, 2:103, 2:143, 2:174, 3:10, 3:29-32, 3:34 |
| Identification | 1:53-56, 1:70, 1:130, 1:356, 2:174, 3:40 |
| IEF Mobile | 1:11, 1:243-247, 1:329-342, 2:122-123, 2:195-206 |
| ifans | 2:53, 2:106 |
| iMessage | 2:130-133, 2:174 |
| info.mkf | 3:97, 3:130 |
| Info.plist | 2:52, 3:16-17 |
| Internet history | 1:242-244, 2:54, 2:61, 2:64, 2:67, 2:72-73, 2:122, 3:10, 3:15, 4:68, 4:145 |
| iOS Version | 2:48, 2:67, 2:70, 2:95, 2:170, 2:174-175 |
| iP-BOX | 2:91-95 |
| iPad 5 | 2:174 |
| iPad Mini | 2:96-97, 2:174 |
| iPhone 4 | 1:128, 2:7, 2:19, 2:21, 2:23-24, 2:33, 2:44, 2:96-97, 2:174, 4:58 |
| iPhone 4s | 1:128, 2:7, 2:19, 2:21, 2:23, 2:33, 2:44, 2:96-97, 2:174 |
| iPhone 5 | 2:21, 2:23, 2:59, 2:87-88, 2:90, 2:96, 2:174, 4:56 |
| iPhone 5s | 2:23, 2:87-88, 2:90 |
| iPhone 6 | 2:19, 2:23, 2:64, 2:75, 2:97 |
| Isolation | 1:68, 1:70, 1:108, 1:174, 2:18 |
| iTunes | 1:11, 1:14, 1:16, 1:51, 1:165, 2:9-10, 2:19-20, 2:29-30, 2:38, 2:41, 2:88-90, 2:100, 2:102-103, 2:123, 2:174, 3:17, 3:23, 3:34, 4:101 |
| iXAM | 2:26 |

# J

|  |  |
| --- | --- |
| Jailbreak | 1:15, 1:20, 1:46, 1:48, 1:82, 1:84, 1:320, 1:322, 1:369, 1:376, 2:15-16, 2:19, 2:29, 2:31-34, 2:38, 4:8 |
| Java Decompiler | 1:11, 1:32, 1:42, 1:44 |
| Java Platform Micro Edition (Java ME) | 4:77, 4:139, 4:141 |
| JavaScript Object Notation (JSON) | 4:16 |
| jd-gui | 1:32, 1:34, 1:42, 1:44 |
| Jelly Bean | 1:366 |
| Juniper Networks | 1:12-13, 1:17, 1:368, 1:370 |
| Jurisdiction | 1:76, 1:78 |

# K

|  |  |
| --- | --- |
| Kaspersky Labs | 1:13, 4:8 |
| Key Evidence | 2:12, 2:81-82 |
| Keyboard Cache | 2:54, 2:77-79, 2:110 |
| Kies | 1:165, 1:242, 2:71, 2:76, 2:157-159, 3:8-9, 3:130, 3:160-166, 4:112, 4:144 |
| Kik Messenger | 1:254, 2:155 |
| kml file | 2:69 |
| KNOX | 1:173, 1:179, 1:182, 1:184-185 |

# L

|  |  |
| --- | --- |
| Lab 0 - Install FOR585 SIFT Workstation | 1:1, 1:8, 1:10 |
| Lab 1 - Android Malware Online Sandbox Analysis Lab | 1:38, 3:35, 3:45, 3:126, 4:52, 4:69, 4:93, 4:113 |
| Lab 10: Advanced iOS Backup File Parsing Lab | 3:35 |
| Lab 11: Advanced BlackBerry Backup File Parsing Lab | 3:45 |
| Lab 12: BlackBerry File System and Physical Examination Lab | 3:126 |
| Lab 13: Third-Party Application Analysis | 4:52 |
| Lab 14: Knock-Off Phone Parsing | 4:69 |
| Lab 14: Symbian and Nokia Forensics | 4:69 |
| Lab 16: Windows Phone Forensics | 4:113 |
| Lab 2 Android Malware .apk Unpacking, Decompiling, & Analysis Lab | 1:46 |
| Lab 8: iOS Logical and File System Forensics | 1:86, 2:85 |
| Lab 9: iOS Physical Forensics | 2:172 |
| Lantern | 2:24, 2:26 |
| Legal Authority | 1:72, 1:76, 1:78, 1:260 |
| Libc | 1:163 |
| Libraries | 1:17, 1:163, 1:165, 2:8, 4:20 |
| Library folder | 2:49, 2:54, 2:56, 2:157, 3:13, 4:13 |
| Linux Kernel | 1:161, 1:163-165 |
| Liveness Check | 1:199 |
| localstorage | 1:242, 1:244, 3:92 |
| Locations | 1:30, 1:32, 1:51, 1:57, 1:80, 1:82, 1:369-370, 1:372, 1:374 |
| Locations.kml | 2:67 |
| Lock | 1:18, 1:20, 1:57-59, 1:61-62, 1:64, 1:70, 1:72, 1:74, 1:79-80, 1:82, 1:87, 1:89, 1:115, 1:127, 1:129, 1:160, 1:162, 1:169, 1:176, 1:186, 1:190, 1:192, 1:197, 1:199-209, 1:299, 1:301, 1:356-359, 1:373, 1:378, 2:10, 2:18-21, 2:23-24, 2:26-27, 2:29-30, 2:33, 2:41, 2:45-46, 2:51, 2:62, 2:87-92, 2:96-97, 2:100, 2:105, 2:127, 2:144, 2:212, 3:6, 3:13, 3:16, 3:22, 3:53, 3:70, 3:77, 3:96, 3:101-103, 3:170, 3:190, 4:25, 4:60, 4:74, 4:84, 4:97, 4:99-100, 4:104, 4:106, 4:162 |
| Lockdown File | 2:29, 2:41, 2:51, 2:88-91 |
| Locking | 1:72, 1:169, 1:173, 1:190, 1:199, 1:201, 1:206, 1:211, 1:356-357, 1:373, 2:10, 2:20, 2:23, 2:26-27, 2:45-46, 2:87-89, 2:91-92, 2:96-97, 2:99-100, 2:103-105, 2:144, 3:22, 3:28, 3:34, 3:56-57, 3:61, 3:64, 3:66, 3:68-70, 3:76, 3:79, 3:83, 3:96-97, 3:105, 3:170 |
| Logical Acquisition | 1:78-80, 1:136, 1:153, 1:186, 1:196-197, 1:203, 1:205, 1:219, 1:342-349, 1:351, 2:19-20, 2:23-25, 2:33, 2:54, 2:88, 2:100, 2:104-105, 2:125, 3:56, 3:58, 3:132, 3:140, 4:57, 4:74, 4:83, 4:104 |
| Logical Extraction | 1:85-86, 1:278-279, 1:282, 2:178, 4:108 |
| logs.db | 1:230, 1:232 |
| Lollipop | 1:160, 1:168-171 |
| Low-Power Assist | 2:14-15 |

# M

|  |  |
| --- | --- |
| Maas360 | 4:46 |
| Magellan RoadMate | 4:24 |
| Magnet Forensics | 1:243, 2:122 |
| Malware | 1:8, 1:12-25, 1:27-29, 1:31-35, 1:37-38, 1:46-48, 1:51, 1:68, 1:79, 1:85, 1:91, 1:93, 1:119, 1:257, 1:369, 3:41, 4:8, 4:105 |
| malware scanner | 1:25, 1:27, 1:91, 1:93 |
| Malware, Detection | 1:22-25 |
| Manifest.mbdb | 3:16 |
| Manifest.plist | 2:52, 3:16, 3:24 |
| Manual Examination | 1:78, 1:80, 1:186, 2:131, 3:15, 3:19, 3:21, 3:40, 3:42-43, 3:124, 4:136 |
| mapsdata | 2:70, 2:153 |
| Marshmallow | 1:170-172 |
| Mbackup | 1:46, 1:48 |
| Media Framework | 1:163 |
| message\_attachment\_join | 2:136 |
| message\_id | 2:136 |
| metadata | 1:32, 1:46, 1:161, 1:235, 1:240, 1:258, 1:260, 1:264, 2:45, 2:54, 2:58-59, 2:97, 3:129, 4:23-24, 4:116 |
| Microsystemation | 1:104, 1:118, 1:127, 1:153, 1:342-343, 1:357, 2:67, 2:107, 3:56, 4:57 |
| MIDP | 3:74-75 |
| mmssms.db | 1:234 |
| Mobango | 4:8 |
| Mobile Sandbox | 1:35 |
| MobileIron | 4:46 |
| MobileSpy | 1:370, 1:372 |
| MobileSync Folder | 3:13 |
| MobiStealth | 1:372, 1:374 |
| Monitoring | 1:37, 1:45, 1:47-49, 1:371, 1:374-376, 4:46 |
| MPE+ | 1:192, 2:24, 2:26 |
| MSAB | 1:86, 1:101-103, 2:46 |
| mSpy | 1:371, 1:373 |
| Multimedia Messaging Service (MMS) | 1:15, 1:18, 1:20, 1:29, 1:45, 1:64, 1:198, 1:225, 1:228, 1:232, 1:234, 2:34, 2:130-131, 3:66, 3:91, 4:81-82, 4:111-112, 4:153-154, 4:156-157 |

# N

|  |  |
| --- | --- |
| NAND | 1:56-60, 1:159-162, 1:220, 1:255, 1:257, 1:261-263, 2:37-38, 3:73-74, 3:100-103, 3:111, 3:169 |
| NAND Flash | 1:56-60, 1:159-162, 1:220, 1:255, 1:257, 1:261-263, 2:37-38, 3:73-74, 3:100-103, 3:111, 3:169 |
| nanopasses.sqlite3 | 2:152 |
| NBU Backup Explorer | 1:11 |
| Near Field Communication (NFC) | 1:18, 1:20, 1:169, 1:174 |
| NEFconfig.xml | 4:78, 4:87 |
| Nike+ | 4:24 |
| Nimbuzz | 4:148 |
| Nokia | 1:13, 1:118, 3:7, 3:10, 4:11, 4:15, 4:55-56, 4:71-75, 4:77, 4:81, 4:83, 4:85, 4:88, 4:90, 4:93, 4:96, 4:137-142, 4:144, 4:149, 4:155-156 |
| Nokia Backup Explorer | 3:10 |
| Nokia Belle | 4:73 |
| Nokia PC Suite | 3:10, 4:74-75, 4:81, 4:83 |
| Nokia Symbian | 3:10 |
| NOR | 1:16, 1:22, 1:53, 1:56, 1:58, 1:62, 1:76, 1:78, 1:130, 1:165, 1:170-171, 1:178, 1:184, 1:186, 1:193, 1:196, 1:213, 1:215, 1:236, 2:15, 2:19, 2:24, 2:27, 2:29-30, 2:37, 2:42, 2:56, 2:58, 2:91, 2:100, 2:128, 2:180, 2:210, 3:6, 3:10, 3:15, 3:66, 3:74, 3:100-102, 3:169, 4:20, 4:25, 4:56, 4:61, 4:63-67, 4:117, 4:133, 4:135 |
| NOR Flash | 1:56, 1:58, 2:37, 3:74, 3:100-102, 3:169, 4:133, 4:135 |
| notes.sqlite | 2:49-50, 2:125 |
| Notification | 1:29, 1:163, 1:317, 1:319-320, 1:322, 2:144, 4:27 |
| NTFS | 1:80 |
| NVISO | 1:35 |

# O

|  |  |
| --- | --- |
| oneNAND | 1:161 |
| OpenGL | 1:163 |
| OpenTable | 4:24 |
| Over The Air (OTA) | 1:51, 1:224, 1:228, 1:230, 2:174, 3:49, 3:129 |
| Ovi Suite | 3:10 |
| Oxygen Forensics Suite | 1:11, 1:30, 1:192, 1:260, 1:314-327, 1:329, 2:24, 2:26, 2:81-83, 3:15-17, 3:21, 3:40, 3:42, 3:56, 3:61, 3:66, 3:69-70, 3:117, 3:131-141, 3:149, 3:155-159, 4:23, 4:25, 4:32, 4:34-35, 4:57, 4:85-86, 4:97, 4:99, 4:102, 4:108 |

# P

|  |  |
| --- | --- |
| packages.list | 1:258, 1:260 |
| packages.xml | 1:258, 1:260 |
| PadMapper | 4:24 |
| Pages | 1:57-59, 1:62, 1:64-67, 1:143, 1:160, 1:221, 1:223, 2:48-49, 3:102, 4:104, 4:111, 4:144 |
| PairedSync | 2:145 |
| PanGu | 1:46, 1:48 |
| Paraben | 2:24, 4:104 |
| Paraben Device Seizure | 4:104 |
| Passcode | 1:169, 1:173, 1:190, 1:199, 1:201, 1:206, 1:211, 2:10, 2:20, 2:23, 2:26-27, 2:45-46, 2:87-89, 2:92, 2:96-97, 2:99-100, 2:103-105, 2:144, 3:22, 3:28, 3:34, 3:56-57, 3:61, 3:64, 3:66, 3:68-70, 3:76, 3:79, 3:83, 3:96-97, 3:105, 3:170 |
| Passwords folder | 2:77 |
| PayPal | 4:8, 4:42 |
| Personal Information Management (PIM) | 3:87, 3:90 |
| PhotoData | 2:58-59 |
| Physical Acquisition | 1:78-80, 1:82, 1:186, 1:189, 1:192-193, 1:195, 1:200, 1:278-279, 1:357, 2:19-22, 2:26-28, 2:38, 2:41, 2:54, 2:104-105, 2:125, 2:177, 3:7, 3:56-57, 3:64, 3:70, 3:100, 3:103, 3:114, 4:57, 4:74, 4:124-131 |
| Physical Analyzer | 1:11, 1:23, 1:25, 1:27-30, 1:62, 1:82, 1:85-93, 1:95-98, 1:109, 1:121, 1:133-134, 1:137, 1:140, 1:142, 1:147, 1:149, 1:151, 1:186, 1:191-193, 1:199, 1:213, 1:215, 1:217-218, 1:221, 1:230, 1:234, 1:240, 1:242, 1:260, 1:265-268, 1:270-274, 1:331, 1:351, 1:354, 2:20-21, 2:23-24, 2:26-27, 2:29-30, 2:33, 2:38-39, 2:41, 2:44-46, 2:48-50, 2:54, 2:61-62, 2:64, 2:67-74, 2:78, 2:88, 2:90, 2:99-100, 2:112, 2:114-116, 2:118-122, 2:138, 2:156, 2:160, 2:165-169, 2:177-194, 2:197-198, 3:10, 3:15-17, 3:19, 3:40, 3:42-43, 3:64, 3:69, 3:111, 3:117-118, 3:141-149, 3:155, 4:29, 4:32, 4:61, 4:64, 4:124, 4:132-136, 4:150 |
| Physical Extraction | 1:85-86, 1:278-279, 1:282, 1:321, 1:323, 2:21, 2:189, 4:108, 4:124 |
| pim.vol | 4:104, 4:111 |
| Plist | 1:11, 2:6, 2:8, 2:29-30, 2:37-38, 2:42, 2:51-52, 2:54, 2:67, 2:72, 2:88, 2:90, 2:108, 2:125, 2:127, 2:147, 2:149-150, 2:157, 2:162, 3:15-17, 3:19, 3:24, 4:13, 4:19, 4:23, 4:40, 4:43 |
| PList Editor | 1:11, 2:51, 3:15, 3:17 |
| Plists | 2:8, 2:30, 2:37, 2:42, 2:157 |
| Plug-in | 1:94, 1:96, 4:20 |
| Potentially Unwanted Application (PUA) | 1:16, 1:18, 2:94 |
| Preferences | 1:257, 2:51, 2:54, 2:127, 2:145, 2:150, 2:157-159, 2:162, 4:14, 4:43, 4:97 |
| Presentation | 1:64-65, 1:130, 1:136, 1:186, 2:19, 2:81, 3:103 |
| PrivatOS | 1:159, 1:161 |
| Processing | 1:15, 1:51, 1:75, 1:80, 1:82, 1:94, 1:161, 2:96, 3:66, 3:69, 3:94, 3:180, 4:21, 4:111 |
| properties.bin | 2:147, 2:149 |
| Property List Files (Plist) | 2:29, 2:42, 2:51-52, 2:54, 2:67, 2:72, 2:88, 2:90, 2:125, 2:127, 2:162, 3:15-17, 3:19, 3:24, 4:13, 4:23, 4:43 |

# Q

|  |  |
| --- | --- |
| QNX | 3:50, 3:52 |
| QR Code | 1:18, 1:20 |

# R

|  |  |
| --- | --- |
| Ransomware | 1:16, 1:18 |
| raw\_contacts table | 1:230 |
| Recently Deleted | 2:58-59 |
| Record Stores | 3:74-75 |
| RedBox | 4:24 |
| Registry | 2:145, 2:147, 2:149-150, 2:152-153, 4:97, 4:104, 4:111 |
| Remote Code Execution (RCE) | 1:15 |
| Repackaging | 1:18 |
| Repair | 1:115, 4:115, 4:118-120 |
| reporting | 1:14, 1:29, 1:45, 1:70, 1:72, 1:79, 1:85, 1:95, 1:97-98, 1:109, 1:134, 1:140, 1:232, 1:274, 2:67, 2:69, 2:83, 3:77, 3:80, 4:21, 4:159 |
| Reporting | 1:14, 1:29, 1:45, 1:70, 1:72, 1:79, 1:85, 1:95, 1:97-98, 1:109, 1:134, 1:140, 1:232, 1:274, 2:67, 2:69, 2:83, 3:77, 3:80, 4:21, 4:159 |
| Research in Motion (RIM) | 3:39, 3:48-49, 3:73, 3:75, 3:114, 3:129, 3:168, 3:170 |
| ROM | 1:10, 1:12-16, 1:18-22, 1:25, 1:27, 1:29-30, 1:33, 1:35, 1:37, 1:40, 1:42, 1:45, 1:47-48, 1:51, 1:54, 1:60, 1:65, 1:67, 1:70, 1:72-75, 1:78-80, 1:82, 1:84-88, 1:91, 1:93-94, 1:96-98, 1:100-104, 1:107, 1:109, 1:112-114, 1:120-123, 1:125, 1:127-129, 1:132-133, 1:136, 1:141-142, 1:153, 1:159, 1:162-164, 1:166, 1:169, 1:171, 1:173-174, 1:177, 1:179, 1:186-191, 1:193, 1:199-200, 1:206, 1:208, 1:212, 1:220, 1:227-228, 1:230, 1:235, 1:240, 1:254-255, 1:257, 1:260, 1:263, 1:278, 1:280, 1:282, 1:289, 1:291, 1:293, 1:295-296, 1:299, 1:307, 1:309-310, 1:312, 1:319, 1:321, 1:323-324, 1:331, 1:344, 1:347, 1:356-357, 1:369-371, 1:373-375, 2:7, 2:9-10, 2:12, 2:14-15, 2:18-19, 2:21, 2:23, 2:27, 2:29, 2:37, 2:49-51, 2:53, 2:56, 2:59, 2:62, 2:64, 2:66-67, 2:69, 2:75, 2:81-82, 2:88-96, 2:99-100, 2:103, 2:106, 2:123-124, 2:131-132, 2:138, 2:140, 2:143-145, 2:152, 2:155, 2:168, 2:174, 2:180, 2:186, 2:197, 3:6-8, 3:10, 3:15-17, 3:32, 3:34, 3:38, 3:40-42, 3:48, 3:50, 3:52-53, 3:56-58, 3:64, 3:66-68, 3:76, 3:81-86, 3:89, 3:91, 3:93, 3:97, 3:101, 3:104, 3:108, 3:113-115, 3:117-118, 3:121, 3:129, 3:137, 3:148, 3:163, 3:170, 3:174-177, 3:188, 4:6-8, 4:11, 4:13, 4:17-18, 4:28-29, 4:39-40, 4:46, 4:54-55, 4:57-58, 4:60-61, 4:63, 4:66, 4:68, 4:74, 4:77, 4:80, 4:84-87, 4:89, 4:92, 4:96-97, 4:99-100, 4:102, 4:104-106, 4:108-109, 4:111-112, 4:117, 4:119, 4:124, 4:141, 4:143, 4:149, 4:152, 4:155, 4:157, 4:159 |
| Root | 1:82, 1:84, 1:130, 1:162, 1:177-182, 1:184, 1:188, 1:191, 1:197, 1:199-202, 1:224, 1:231, 1:320, 1:322, 1:369, 2:67, 2:125-126, 4:14, 4:105 |

# S

|  |  |
| --- | --- |
| Safari | 2:71, 2:75, 2:122 |
| SAFE | 1:173, 1:362, 2:88, 4:105 |
| Samsung | 1:60, 1:120, 1:161-162, 1:165, 1:168, 1:170, 1:173, 1:176, 1:179, 1:188-189, 1:278-281, 1:297, 3:8-10, 3:160-166, 4:72, 4:96 |
| Samsung Kies | 1:165, 3:8-9, 3:160-166 |
| Sandbox | 1:32-33, 1:35, 1:37-38, 2:6, 3:49, 3:84-85, 3:170 |
| Santoku | 1:32, 1:34 |
| SaveIt! | 3:10 |
| SD Card | 1:30, 1:80, 1:118, 1:120-125, 1:127-128, 1:162, 1:190, 1:192-193, 1:195, 1:197, 1:199, 1:214, 1:217, 1:219-220, 1:226-227, 1:235, 1:239, 1:241, 1:255, 1:257, 1:259-266, 1:271, 1:273, 1:369-370, 1:372, 1:374, 2:8, 2:37, 3:10, 3:38, 3:40-41, 3:82, 4:68, 4:87-88, 4:99, 4:107 |
| search\_history.db | 1:237, 1:239 |
| SearchResults.dat | 3:19 |
| secureProperties.bin | 2:149 |
| Service Books | 3:80-81 |
| Service.plist | 2:29, 2:127 |
| SGL | 1:163 |
| Shared Memory File (SHM) | 4:12 |
| SIM Cloning | 1:357, 1:359, 4:57 |
| SIMIS | 1:128 |
| Siri | 2:13, 2:127-128, 2:174, 3:50 |
| Skype | 1:254, 1:374, 2:81, 2:121, 2:128-129, 2:155 |
| Slide ME | 4:8 |
| Smart Lock | 1:169 |
| Smarterforensics.com | 1:2, 1:4, 1:171 |
| Smartphone | 1:4, 1:7-8, 1:12, 1:21, 1:35, 1:50-54, 1:56-57, 1:60, 1:64-83, 1:85-86, 1:104, 1:109, 1:112, 1:118-123, 1:132, 1:160, 1:162-163, 1:168, 1:174, 1:177, 1:186, 1:190, 1:192, 1:223-224, 1:230, 1:234, 1:243, 1:253, 1:259, 1:357, 1:359, 1:361-364, 1:369, 1:374-376, 2:7, 2:15, 2:18-20, 2:24, 2:37, 2:49, 2:58, 2:115, 2:119, 2:121-122, 3:6-7, 3:10, 3:38, 3:47, 3:82, 3:129, 4:1, 4:7, 4:55-56, 4:58, 4:96 |
| Smishing | 1:18, 1:20 |
| SMS.db | 1:234, 2:44, 2:57, 2:125, 2:131-132, 2:136 |
| SnapChat | 4:28, 4:51 |
| Snapchat | 4:28, 4:51 |
| Solid State Memory | 1:56-57, 1:59, 1:62, 1:64 |
| Sophos | 1:12 |
| SpyBubble | 1:373, 1:375 |
| Spyera | 1:374, 1:376 |
| Spyware | 1:13, 1:16, 1:18, 1:21-22, 1:29, 1:31, 1:33, 1:35, 1:45-48, 1:369, 1:371-374 |
| SQLite | 1:11, 1:64-67, 1:161, 1:163, 1:196, 1:214, 1:221, 1:223, 1:242, 1:251, 1:254, 2:6, 2:8, 2:37-38, 2:48-51, 2:57, 2:74, 2:125, 2:145, 2:152, 2:155, 2:160, 3:15-16, 3:21, 3:82-83, 3:91, 3:95-96, 4:11-16, 4:23, 4:25, 4:49, 4:73, 4:85, 4:156 |
| Square | 4:24, 4:42 |
| SSL | 1:72, 1:75, 1:163, 2:14, 4:44 |
| Stagefright | 1:15, 1:17 |
| Store.sqlite | 2:160 |
| Surface Manger | 1:163 |
| SWGDE | 1:72, 1:74-75, 1:78, 1:362 |
| Symbian OS | 4:71-73, 4:75, 4:90, 4:140 |
| System-on-a-Chip (SoC) | 4:105 |

# T

|  |  |
| --- | --- |
| Tango | 4:32-34 |
| TarArchive | 2:41-42 |
| TaxiMagic | 4:24 |
| TeleNav | 4:24 |
| TigerText | 1:254, 2:155 |
| TMSI | 1:154 |
| Trace Window | 1:90, 1:92 |
| Tracer | 1:33, 1:375, 1:377 |
| Trackware | 1:16, 1:18 |
| Trojan | 1:16-19, 1:22, 1:368, 1:370, 1:374, 1:376 |
| Trulia | 4:24 |
| Trust Platform Module (TPM) | 4:106 |
| Twitter | 1:4, 1:13, 1:240, 1:376, 1:378, 2:211-212, 3:190, 4:162 |

# U

|  |  |
| --- | --- |
| UberCab | 4:24 |
| UFED Link Analysis | 1:11, 1:25, 1:27-28, 1:85-89, 1:93, 1:118, 1:186, 1:191-192, 1:200, 1:277-291, 1:293, 1:352-356, 2:20, 2:23-24, 2:26, 2:29, 2:44, 2:62, 2:88, 2:96-97, 2:100, 2:102, 2:121, 2:177, 2:192, 2:198, 3:56, 4:32, 4:57-58, 4:124, 4:127, 4:129 |
| UFED Touch | 1:85, 1:118, 1:191-192, 1:277-291, 1:293, 1:352-356, 2:20, 2:23-24, 2:26, 2:29, 2:44, 2:88, 2:100, 2:102, 2:177, 4:58, 4:124, 4:127, 4:129 |
| UFED4PC | 1:11, 1:87, 1:89, 1:277-284, 1:287-288, 1:290, 4:32 |
| Unrecognized | 1:196, 1:247-250, 1:260, 2:79, 2:108-109, 3:80, 4:14 |
| UrbanSpoon | 4:24 |
| usage-history.xml | 1:259, 1:261 |
| USB debugging | 1:176, 1:178, 1:186, 1:190-192, 1:197, 1:199-200, 1:205, 1:367 |
| User Dictionary | 2:77-79 |
| user\_dict.db | 1:249 |

# V

|  |  |
| --- | --- |
| Verification | 1:93, 1:203, 3:115 |
| viaExtract | 1:192 |
| viaForeniscs | 1:192 |
| Viber | 1:254, 1:374, 2:155 |
| Virus Total | 1:35, 2:94 |
| VZ Navigator | 4:24 |

# W

|  |  |
| --- | --- |
| Watch List | 1:91, 1:93, 1:108, 1:110, 1:250, 1:252, 2:108, 2:118-121, 2:207-211 |
| watch list | 1:91, 1:93, 1:108, 1:110, 1:250, 1:252, 2:108, 2:118-121, 2:207-211 |
| Watch Lists | 1:91, 1:108, 1:250, 1:252, 2:118-119, 2:209 |
| Waze | 4:24 |
| Wear Leveling | 1:56, 1:59-62, 1:160, 3:103 |
| webkit | 1:163, 2:56, 2:157 |
| WebKit | 1:163, 2:56, 2:157 |
| webview.db | 1:234, 1:242, 1:244 |
| webviewCached.db | 1:242 |
| WhatsApp | 1:254, 2:121, 2:155, 4:21, 4:28-31, 4:88 |
| Whatsapp | 1:254, 2:121, 2:155, 4:21, 4:28-31, 4:88 |
| Wi-Fi assist | 2:14 |
| Windows CE | 4:96 |
| Windows Mobile | 1:15, 1:118, 4:8, 4:95-97, 4:100-102, 4:104, 4:110-111 |
| Windows Phone | 1:18, 1:20, 1:370, 4:11, 4:15, 4:96, 4:98-99, 4:105-109, 4:112-113, 4:140 |
| WireLurker | 1:13, 1:15 |
| Wireshark | 1:11, 1:37 |
| Words With Friends | 4:28 |
| WordsWithFriends | 1:254, 2:155 |
| WordWithFriends | 2:58 |
| Worm | 1:16, 1:18 |
| Wrist Detection | 2:144 |
| Write Ahead Logs (WAL) | 4:12 |

# X

|  |  |
| --- | --- |
| XACT | 1:1, 1:11, 1:16, 1:101, 1:103, 1:105, 1:107, 1:109, 1:111, 1:121, 1:192, 1:293-295, 1:305, 1:307, 1:311-314, 2:20, 2:26, 2:45-46, 2:67, 2:107-109, 2:126, 2:138, 2:145, 2:153, 2:207, 2:210, 4:56-57, 4:97, 4:104 |
| XAMN | 2:107 |
| Xcode | 1:14, 1:16 |
| XcodeGhost | 1:14, 1:16 |
| XenMobile | 4:46 |
| XRY | 1:11, 1:101-110, 1:118, 1:121, 1:127, 1:192, 1:196, 1:199-205, 1:215, 1:221, 1:234, 1:247-252, 1:260, 1:293-302, 1:304-313, 1:342-343, 1:347, 1:349, 1:356-357, 2:15, 2:19-20, 2:23-24, 2:26, 2:33-34, 2:45-47, 2:67, 2:69, 2:71, 2:74, 2:78-80, 2:88, 2:100, 2:102-103, 2:107-111, 2:118, 2:168, 2:207-208, 2:210-211, 3:8, 3:10, 3:15-17, 3:56, 3:58, 3:67, 3:69-70, 3:80, 3:141, 3:149-155, 3:160-166, 4:23, 4:28, 4:57, 4:83-84, 4:97, 4:108 |
| XRY Reader | 1:11, 1:101-104 |

# Y

|  |  |
| --- | --- |
| Yahoo Messenger | 1:254, 2:155 |
| Yandex | 4:8 |

# Z

|  |  |
| --- | --- |
| Zdziarski Method | 2:26 |
| Zedge | 1:261-266 |
| Zimperium Labs | 1:15, 1:17 |