

# Galaxy Note20 5G(N981N) Application List

| Application  | Package  | Version       |
|--|--|---------------|
| com.google.android.networkstack.tethering.overlay  | com.google.android.networkstack.tethering.overlay  | 11            |
| com.samsung.android.wifi.softapwpathree.resources  | com.samsung.android.wifi.softapwpathree.resources  | 1.0           |
| com.samsung.android.networkstack.tethering.overlay | com.samsung.android.networkstack.tethering.overlay | 11            |
| android.auto_generated_rro_vendor__                | android.auto_generated_rro_vendor__                | 1.0           |
| com.samsung.android.wifi.softap.resources          | com.samsung.android.wifi.softap.resources          | 1.0           |
| Samsung SM8250 VKLayer                             | com.samsung.vklayer.sm8250                         | 11.0.00.0     |
| QTR  | com.qualcomm.qti.smq                               | 11            |
| com.qualcomm.qti.gpudrivers.kona.api30             | com.qualcomm.qti.gpudrivers.kona.api30             | 0.1.0         |
| com.qualcomm.timeservice                           | com.qualcomm.timeservice                           | 11            |
| com.android.providers.partnerbookmarks             | com.android.providers.partnerbookmarks             | 11            |
| com.samsung.android.container                      | com.samsung.android.container                      | 11            |
| Samsung Notes Add-ons                              | com.samsung.android.app.notes.addons               | 1.0.00.58     |
| U+ Customer Center                                 | com.lguplus.mobile.cs                              | 5.10.61       |
| EmergencyProvider                                  | com.sec.android.provider.emergencymode             | 1.1.00.4      |
| SimMobilityKit                                     | com.samsung.ims.smk                                | 1.3.20        |
| MDE Service Framework                              | com.samsung.android.mdx.kit                        | 1.1.46.1      |
| com.samsung.android.brightnessbackupservice        | com.samsung.android.brightnessbackupservice        | 11            |
| SKT Hidden Menu                                    | com.samsung.hidden.SKT                             | 1.0           |
| MAPS Agent   | com.samsung.android.mapsagent                      | 1.0.00.6      |
| Sound picker                                       | com.samsung.android.app.soundpicker                | 10.0.11.7     |
| EasyOneHand  | com.sec.android.easyonehand                        | 5.0           |
| LGUHiddenMenu                                      | com.samsung.hidden.LGU                             | 1.0           |
| Android Shared Library                             | com.google.android.ext.shared                      | 1             |
| StickerCenter                                      | com.samsung.android.stickercenter                  | 2.0.00.19     |
| WlanTest   | com.sec.android.app.wlantest                       | 1.1.0         |
| Wearable Manager Installer                         | com.samsung.android.app.watchmanagerstub           | 2.1.01.20006  |
| Basic Daydreams                                    | com.android.dreams.basic                           | 11            |
| AR Zone  | com.samsung.android.arzone                         | 1.5.00.14     |
| User Manual  | com.sec.android.widgetapp.webmanual                | 3.0.08        |
| Auto Hotspot                                       | com.sec.mhs.smarttethering                         | 1.0.91.0      |
| Reminder   | com.samsung.android.app.reminder                   | 12.0.01.46000 |
| FACM   | com.samsung.android.aircommandmanager              | 1.2.61        |
| Software Update                                    | com.skt.skaf.OA00412131                            | 3.4.03        |
| Certificate Installer                              | com.android.certinstaller                          | 11            |
| Select background music                            | com.sec.android.app.ve.vebgm                       | 1.1.04.0      |
| USIM Agent   | com.lguplus.tsmproxy                               | 02.08.00      |
| Smart View   | com.samsung.android.smartmirroring                 | 8.2.11.24     |
| Print Spooler                                      | com.android.printspooler                           | 11            |
| slocation  | com.samsung.android.location                       | 1.5.01.104    |
| Bluetooth MIDI Service                             | com.android.bluetoothmidiservice                   | R-initial     |
| Foundation   | com.monotype.android.font.foundation               | 2.3.03.0      |
| Quick Share  | com.samsung.android.aware.service                  | 3.2.11.17     |
| SecureElementApplication                           | com.android.se                                     | 11            |
| Companion Device Manager                           | com.android.companiondevicemanager                 | 11            |
| BBCAgent   | com.samsung.android.bbc.bbcagent                   | 5.0.00.16     |
| Samsung text-to-speech engine                      | com.samsung.SMT                                    | 3.1.01.9      |
| Print Service Recommendation Service               | com.google.android.printservice.recommendation     | 1.3.0         |
| U+ 편의기능  | com.lguplus.lgusetting                             | 00.05.00      |

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|---------------------------------------|--|-----------------|
| Dual Messenger                        | com.samsung.android.da.daagent                   | 3.1.00.0        |
| Automation Test                       | com.sec.android.app.DataCreate                   | 1.1             |
| KT Hidden Menu                        | com.samsung.hidden.KT                            | 1.0             |
| PASS                                  | com.kt.ktauth                                    | 02.01.09        |
| Call & text on other devices          | com.samsung.android.mdecservice                  | 3.0.00.39       |
| Favourite Contacts                    | com.sec.android.widgetapp.easymodecontactswidget | 12.0.05         |
| Clipboard edge                        | com.samsung.android.app.clipboardedge            | 3.0.07          |
| DRParser Mode                         | com.sec.android.app.parser                       | 12.0.00.4       |
| FactoryCamera                         | com.sec.factory.camera                           | 3.4.39          |
| Wi-Fi Direct                          | com.samsung.android.allshare.service.fileshare   | 3.1.11.17       |
| Secure UI Service                     | com.qualcomm.qti.services.secureui               | 2.7.2           |
| AppLinker                             | com.sec.android.app.applinker                    | 2.1.10          |
| SamsungOne                            | com.monotype.android.font.samsungone             | 1.1.02.0        |
| PacProcessor                          | com.android.pacprocessor                         | 11              |
| Cameralyzer                           | com.sec.factory.cameralyzer                      | 3.4.20.11191    |
| 마이 케이티                                | com.ktshow.cs                                    | 06.02.05        |
| com.sec.enterprise.knox.attestation   | com.sec.enterprise.knox.attestation              | 1.0.3           |
| AASAservice                           | com.samsung.aasaservice                          | 15              |
| Samsung Daily                         | com.samsung.android.app.spage                    | 4.3.00.8        |
| ChromeCustomizations                  | com.sec.android.app.chromecustomizations         | 3.0.28          |
| TetheringAutomation                   | com.sec.automation                               | 2.0.1           |
| Samsung Blockchain Keystore           | com.samsung.android.coldwalletservice            | 1.3.01.4        |
| SilentLogging                         | com.sec.modem.settings                           | 1.0.1           |
| com.sec.phone                         | com.sec.phone                                    | 1.0             |
| Briefing                              | flipboard.boxer.app                              | 3.2.13          |
| SecurityLogAgent                      | com.samsung.android.securitylogagent             | 10.1.00.1       |
| Motion photo Viewer                   | com.samsung.android.motionphoto.viewer           | 1.0.33          |
| MDMApp                                | com.samsung.android.mdm                          | 1.0             |
| Keyboard Content Center               | com.samsung.android.icecone                      | 1.3.00.32       |
| Bookmark Provider                     | com.android.bookmarkprovider                     | 11              |
| com.google.android.captiveportallogin | com.google.android.captiveportallogin            |                 |
| com.google.android.captiveportallogin | com.google.android.captiveportallogin            |                 |
| com.google.android.captiveportallogin | com.google.android.captiveportallogin            |                 |
| CaptivePortalLogin                    | com.google.android.captiveportallogin            | r_aml_300900700 |
| com.google.android.captiveportallogin | com.google.android.captiveportallogin            |                 |
| com.google.android.captiveportallogin | com.google.android.captiveportallogin            |                 |
| com.google.android.captiveportallogin | com.google.android.captiveportallogin            |                 |
| com.google.android.captiveportallogin | com.google.android.captiveportallogin            |                 |
| Launcher                              | com.sec.android.emergencylauncher                | 1.1.00.19       |
| Perso                                 | com.sec.android.app.personalization              | 11              |
| Photo Screensavers                    | com.android.dreams.phototable                    | 11              |
| com.samsung.ucs.agent.es              | com.samsung.ucs.agent.es                         | 11              |
| Samsung Notes                         | com.samsung.android.app.notes                    | 4.1.04.19       |
| Tools                                 | com.sec.android.app.quicktool                    | 8.2.35          |
| CarrierDefaultApp                     | com.android.carrierdefaultapp                    | 11              |
| Clock                                 | com.sec.android.app.clockpackage                 | 12.0.00.53      |
| HTML Viewer                           | com.android.htmlviewer                           | 3.0.04          |
| Smartcard Service                     | com.sktelecom.smartcard.SmartcardService         | 1.3             |
| Samsung Kids Installer                | com.samsung.android.kidsinstaller                | 10.3.00.2       |
| Wi-Fi Calling                         | com.sec.unifiedwfc                               | 6.5.00.50       |
| SIM Toolkit                           | com.android.stk                                  | 11              |
| Bluetooth                             | com.android.bluetooth                            | 11              |
| SCPM Client                           | com.samsung.android.sm.policy                    | 3.2.15          |

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|-------------------------------------|---|-------------------|
| Smart Switch Agent                  | com.sec.android.easyMover.Agent                 | 1.7.00.22         |
| com.sec.bcbservice                  | com.sec.bcbservice                              | 2.0               |
| Sim App Dialog                      | com.android.simappdialog                        | 11                |
| Bixby Vision                        | com.samsung.android.visionintelligence          | 3.7.20.2          |
| OPEN Market Hidden Menu             | com.samsung.hidden.OPENMarket                   | 1.0               |
| Subscription Calendars              | com.samsung.android.opencalendar                | 12.0.00.14        |
| Samsung ApexService                 | com.sec.android.app.apex                        | 3.3.12            |
| Key Chain                           | com.android.keychain                            | 11                |
| Video Trimmer                       | com.samsung.app.newtrim                         | 3.0.15.1          |
| ₩"Bixby₩" voice wake-up             | com.samsung.android.bixby.wakeup                | 2.1.24.46         |
| Nearby Service                      | com.samsung.android.allshare.service.mediashare | 3.0.11.17         |
| KT 금융유심관리                           | com.kt.ollehusimmanager                         | 2.2.3             |
| android.autoinstalls.config.samsung | android.autoinstalls.config.samsung             | 0000              |
| SmartFittingService                 | com.samsung.android.smartfitting                | 1.4.14.0          |
| ShortcutBNR                         | com.samsung.android.shortcutbackupservice       | 11                |
| Glance                              | com.samsung.android.service.pentastic           | 1.0.08            |
| T world                             | com.sktelecom.minit                             | 5.0.15            |
| Dsms                                | com.samsung.android.dsms                        | 2.0.03            |
| Honey Board                         | com.samsung.android.honeyboard                  | 5.2.00.78         |
| Samsung capture                     | com.samsung.android.app.smartcapture            | 4.4.30            |
| Weather                             | com.sec.android.daemonapp                       | 1.6.30.44         |
| SecVideoEngineService               | com.sec.sve                                     | 1.0               |
| com.google.ar.core                  | com.google.ar.core                              | 0                 |
| HpsAgree                            | com.skt.hpsagree                                | 1.0               |
| System Tracing                      | com.android.traceur                             | 1.0               |
| com.samsung.android.wifi.resources  | com.samsung.android.wifi.resources              | 1.0               |
| Live Message                        | com.samsung.android.service.livedrawing         | 3.3.19            |
| NFC                                 | com.android.nfc                                 | 11                |
| EmergencyManagerService             | com.sec.android.emergencymode.service           | 1.1.00.33         |
| HandwritingService                  | com.samsung.android.sdk.handwriting             | 2.4.01.0          |
| Service provider location           | com.sec.location.nfwlocationprivacy             | 1.0.10            |
| T멤버십                                | com.tms   | 14.4              |
| Video Editor                        | com.sec.android.app.vepreload                   | 3.5.54.5          |
| BluetoothTest                       | com.sec.android.app.bluetoothtest               | 11                |
| Knox Enrollment Service             | com.sec.enterprise.knox.cloudmdm.smdms          | 2.1.30            |
| Wi-Fi Tips                          | com.samsung.android.net.wifi.wifiguider         | 1.5.00.67         |
| Android R Easter Egg                | com.android.egg                                 | 1.0               |
| Autofill with Samsung Pass          | com.samsung.android.samsungpassautofill         | 2.5.01.16         |
| Link Sharing                        | com.samsung.android.app.simplesharing           | 12.0.00.18        |
| Dictionary                          | com.diotek.sec.lookup.dictionary                | 3.002.013         |
| Hiya Service                        | com.hiya.star                                   | 2.8.0-samsung-791 |
| Facebook App Manager                | com.facebook.appmanager                         | 55.1.0            |
| SetupWizardLegalProvider            | com.sec.android.app.setupwizardlegalprovider    | 2.0.07.0          |
| Calendar                            | com.samsung.android.calendar                    | 12.0.00.49000     |
| Create movie                        | com.samsung.app.highlightplayer                 | 3.5.54.5          |
| SEIOAgent                           | com.skp.seio                                    | 2.7.2             |
| AR Doodle                           | com.samsung.android.ardrawing                   | 2.5.00.8          |
| com.android.wallpaperbackup         | com.android.wallpaperbackup                     | 11                |
| Filter Provider                     | com.samsung.android.provider.filterprovider     | 5.0.27            |
| Enterprise Sim Pin Service          | com.sec.enterprise.mdm.services.simpin          | 11                |
| USBSettings                         | com.sec.usbsettings                             | 1.0               |
| IMS Settings                        | com.samsung.advp.imssettings                    | 1.0               |
| Safety Information                  | com.samsung.safetyinformation                   | 3.0.29.0          |

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| Live Transcribe & Sound Notifications      | com.google.audio.hearing.visualization.accessibility.scribe | 4.0.336034712   |
| Android System                             | android   | 11              |
| com.qualcomm.atfwd                         | com.qualcomm.atfwd  | 11              |
| QDCM-FF                                    | com.qti.snapdragon.qdcm_ff                                  | 1.0             |
| Google Services Framework                  | com.google.android.gsf                                      | 11-6684105      |
| Google One Time Init                       | com.google.android.onetimeinitializer                       | 11-6684105      |
| com.android.wallpapercropper               | com.android.wallpapercropper                                | 11              |
| Storage Manager                            | com.android.storagemanager                                  | 11              |
| com.android.carrierconfig                  | com.android.carrierconfig                                   | 1.0.0           |
| Market Feedback Agent                      | com.google.android.feedback                                 | 11-6684105      |
| System UI                                  | com.android.systemui  | 11              |
| Android Setup                              | com.google.android.setupwizard                              | 230.329243634   |
| Emergency information                      | com.android.emergency                                       | 11              |
| AlwaysOnDisplay                            | com.samsung.android.app.aodservice                          | 6.1.40          |
| AR Emoji                                   | com.samsung.android.emoji                                   | 5.0.00.22       |
| AR Emoji Editor                            | com.samsung.android.emojieditor                             | 4.3.01.3        |
| Accessibility                              | com.samsung.accessibility                                   | 12.0.00.61      |
| Air command                                | com.samsung.android.service.aircommand                      | 5.5.19          |
| Magnify                                    | com.samsung.android.app.readingglass                        | 1.3.25          |
| Apps                                       | com.samsung.android.app.appledge                            | 7.0.37.0        |
| Authentication Framework                   | com.samsung.android.authfw                                  | 2.6.00.4        |
| AutoDoodle                                 | com.sec.android.autodoodle.service                          | 2.9.11.32       |
| AR Emoji Stickers                          | com.sec.android.mimage.avatarstickers                       | 2.9.11.38       |
| com.android.backupconfirm                  | com.android.backupconfirm                                   | 11              |
| BadgeProvider                              | com.sec.android.provider.badge                              | 2.1.00.9        |
| SmartThings                                | com.samsung.android.beaconmanager                           | 10.1.01.10      |
| com.samsung.android.biometrics.app.setting | com.samsung.android.biometrics.app.setting                  | 1.0.0           |
| Bixby Voice                                | com.samsung.android.bixby.agent                             | 3.0.35.44       |
| Bixby Voice Stub                           | com.samsung.android.bixby.agent.dummy                       | 1.0.03.0        |
| Bixby Dictation                            | com.samsung.android.bixby.service                           | 3.0.00.7        |
| BixbyVision Framework                      | com.samsung.android.bixbyvision.framework                   | 3.7.50.0        |
| Blocked Numbers Storage                    | com.android.providers.blockednumber                         | 11              |
| Blue light filter                          | com.samsung.android.bluelightfilter                         | 4.0.0           |
| Default Print Service                      | com.android.bips  | 11              |
| CIDManager                                 | com.samsung.android.cidmanager                              | 11              |
| CMFA Framework                             | com.samsung.android.cmfa.framework                          | 1.0.00.18       |
| CMHProvider                                | com.samsung.cmh   | 6.0.48          |
| CSC  | com.samsung.sec.android.application.csc                     | 1.0.1.0         |
| CallBGProvider                             | com.samsung.android.callbgprovider                          | 12.0.00.24      |
| CallContentProvider                        | com.samsung.android.incall.contentprovider                  | 12.0.00.5       |
| Call Log Backup/Restore                    | com.android.calllogbackup                                   | 11              |
| ClipboardSaveService                       | com.samsung.clipboardsaveservice                            | 2.0             |
| Edge panels                                | com.samsung.android.app.cocktailbarservice                  | 7.0.37.0        |
| Work profile                               | com.samsung.android.knox.containeragent                     | 2.7.05001015    |
| DeX for PC                                 | com.sec.android.app.dexonpc                                 | 1.4.00.12       |
| Samsung DeX                                | com.sec.android.desktopmode.uiservice                       | 3.9.21.2        |
| DeviceKeystring                            | com.sec.android.app.factorykeystring                        | 11              |
| DQA  | com.samsung.android.dqagent                                 | 2.0.11          |
| DeviceTest                                 | com.sec.factory   | 11              |
| DiagMonAgent                               | com.sec.android.diagmonagent                                | 7.0.05          |
| Samsung Digital Key                        | com.samsung.android.digitalkey                              | 1.0.00.25       |
| Digital Wellbeing                          | com.samsung.android.forest                                  | 2.0.00.48       |
| Files                                      | com.google.android.documentsui                              | r_aml_300900700 |

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|--------------------------------------|--|------------|
| com.google.android.documentsui       | com.google.android.documentsui                 |            |
| com.google.android.documentsui       | com.google.android.documentsui                 |            |
| com.google.android.documentsui       | com.google.android.documentsui                 |            |
| com.google.android.documentsui       | com.google.android.documentsui                 |            |
| com.google.android.documentsui       | com.google.android.documentsui                 |            |
| com.google.android.documentsui       | com.google.android.documentsui                 |            |
| com.google.android.documentsui       | com.google.android.documentsui                 |            |
| Downloads                            | com.android.providers.downloads.ui             | 11         |
| Wallpapers                           | com.samsung.android.app.dressroom              | 1.3.53     |
| Live focus                           | com.samsung.android.app.dofviewer              | 6.0.32     |
| Wallpaper services                   | com.samsung.android.dynamiclock                | 3.3.00.55  |
| Dynamic System Updates               | com.android.dynsystem                          | 11         |
| TestWandFota                         | com.samsung.android.app.earphonetypec          | 1.2.12     |
| Nearby device scanning               | com.samsung.android.easyssetup                 | 11.0.11.0  |
| com.samsung.android.knox.attestation | com.samsung.android.knox.attestation           | 1.2.00.22  |
| com.sec.epdg                         | com.sec.epdg                                   | 11         |
| EsimClient                           | com.samsung.android.app.telephonyui.esimclient | 12.0.01.17 |
| External Storage                     | com.android.externalstorage                    | 11         |
| Facebook App Installer               | com.facebook.system                            | 55.1.0     |
| Facebook Services                    | com.facebook.services                          | 54.0.12    |
| FaceService                          | com.samsung.faceservice                        | 4.3.01     |
| Secure Wi-Fi                         | com.samsung.android.fast                       | 6.2.00.10  |
| Finder                               | com.samsung.android.app.galaxyfinder           | 9.6.27.0   |
| Find My Mobile                       | com.samsung.android.fmm                        | 7.2.09.3   |
| Software update                      | com.wssyncml dm                                | 3.7.07     |
| Fused Location                       | com.android.location.fused                     | 11         |
| Galaxy Store                         | com.sec.android.app.samsungapps                | 4.5.20.11  |
| Galaxy Beta Service                  | com.samsung.galaxybetaservice                  | 4.3.05     |
| Samsung SM8250 GameDriver            | com.samsung.gamedriver.sm8250                  | 11.0.00.0  |
| Game Launcher                        | com.samsung.android.game.gamehome              | 4.3.03.5   |
| Game Optimizing Service              | com.samsung.android.game.gos                   | 3.4.00.23  |
| Game Booster                         | com.samsung.android.game.gametools             | 3.0.00.8   |
| Package installer                    | com.google.android.packageinstaller            | 11-6684105 |
| GPUWatch                             | com.samsung.gpuwatchapp                        | 2.0.40     |
| HPSClient2.0 Service                 | com.skt.hps20client                            | 2.1.1      |
| Tags                                 | com.samsung.android.service.tagsservice        | 1.6.14.0   |
| HdmApp                               | com.samsung.android.hdmapp                     | 1.0.00.10  |
| Adapt Sound                          | com.sec.hearingadjust                          | 11.0.15    |
| HwModuleTest                         | com.sec.android.app.hwmoduletest               | 11         |
| Radio                                | com.sec.android.app.fm                         | 12.0.00.15 |
| IPService                            | com.samsung.ipservice                          | 4.0.38     |
| ImsLogger                            | com.sec.imslogger                              | 1.20200801 |
| Input Devices                        | com.android.inputdevices                       | 11         |
| SmartFPSAdjuster                     | com.sec.android.smartfpsadjuster               | 11         |
| Samsung Visit In                     | com.samsung.android.ipsgeofence                | 4.1.02.119 |
| KLMS Agent                           | com.samsung.klmsagent                          | 3.4.20411  |
| Number guidance service              | com.samsung.kt114provider2                     | 12.0.01.0  |
| 원스토어                                 | com.kt.olleh.storefront                        | 6.12.2     |
| KPNS                                 | com.ktpns.pa                                   | 03.02.00   |
| olleh service agent                  | com.kt.serviceagent                            | 3.0.08     |
| KT 고객 특화 서비스                         | com.kt.olleh.servicemenu                       | 01.07.08   |
| Work profile                         | com.samsung.android.knox.containercore         | 1.0        |
| Samsung DeX Home                     | com.sec.android.app.desktoplauncher            | 3.0.03.43  |

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| Device Services                                  | com.samsung.android.kgclient                     | 2.2.70          |
| Knox Key Chain                                   | com.samsung.knox.keychain                        | 11              |
| KnoxPushManager                                  | com.samsung.android.knox.pushmanager             | 1.1.00.32       |
| GPSnWPS  | com.lguplus.lgugpsnwps                           | 00.00.22        |
| 원스토어   | com.lguplus.appstore                             | 6.12.2          |
| LED Cover Service                                | com.sec.android.cover.ledcover                   | 1.4.63          |
| Link to Windows Service                          | com.samsung.android.mdx                          | 2.1.05.6        |
| DECO PIC   | com.samsung.android.livestickers                 | 2.0.00.25       |
| Live Wallpaper Picker                            | com.android.wallpaper.livepicker                 | 11              |
| com.android.localtransport                       | com.android.localtransport                       | 11              |
| Work Setup                                       | com.android.managedprovisioning                  | 11              |
| Samsung Galaxy Friends                           | com.samsung.android.mateagent                    | 2.1.20.42       |
| MecAgent   | com.sec.android.mec.mecagent                     | 11              |
| mlp  | com.samsung.mlp                                  | 5.0.04          |
| com.android.providers.media                      | com.android.providers.media                      | 11              |
| MmsService                                       | com.android.mms.service                          | 11              |
| MobileWips                                       | com.samsung.android.server.wifi.mobilewips       | 1.1.17.0        |
| Service mode RIL                                 | com.sec.android.RilServiceModeApp                | 11              |
| MTP application                                  | com.samsung.android.MtpApplication               | 1.0             |
| MTP Host   | com.android.mtp                                  | 11              |
| Separate app sound                               | com.samsung.android.setting.multisound           | 3.0.00.10       |
| NSDSWebApp                                       | com.sec.vsim.ericssonnsds.webapp                 | 2.0.06.0        |
| Samsung Location SDK                             | com.sec.location.nsflp2                          | 5.3.38          |
| NetworkDiagnostic                                | com.samsung.android.networkdiagnostic            | 2.5.05.2        |
| com.google.android.networkstack.permissionconfig | com.google.android.networkstack.permissionconfig |                 |
| com.google.android.networkstack.permissionconfig | com.google.android.networkstack.permissionconfig |                 |
| com.google.android.networkstack.permissionconfig | com.google.android.networkstack.permissionconfig | r_aml_300900722 |
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| com.google.android.networkstack                  | com.google.android.networkstack                  |                 |
| Network manager                                  | com.google.android.networkstack                  | r_aml_300900700 |
| com.google.android.networkstack                  | com.google.android.networkstack                  |                 |
| Configuration update                             | com.samsung.android.app.omcagent                 | 5.3.17          |
| com.android.ons                                  | com.android.ons                                  | 11              |
| Configuration message                            | com.wsomacp                                      | 7.4.07          |
| ONE store service                                | com.skt.skaf.OA00018282                          | 6.155           |
| IMS Device Management                            | com.ims.dm                                       | 2.7.10          |
| People edge                                      | com.samsung.android.service.peoplestripe         | 12.0.00.11      |
| RilNotifier                                      | com.sec.app.RilErrorNotifier                     | 1.0.0           |
| Photo Editor                                     | com.sec.android.mimage.photoretouching           | 2.9.11.33       |
| Application installer                            | com.sec.android.preloadinstaller                 | 11              |
| ProxyHandler                                     | com.android.proxyhandler                         | 11              |
| QRreader   | com.sec.android.QRreader                         | 1.0.27          |
| Media and devices                                | com.samsung.android.mdx.quickboard               | 2.0.11.441      |

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| Bixby Routines                        | com.samsung.android.app.routines       | 3.0.43      |
| Customization Service                 | com.samsung.android.rubin.app          | 2.8.00.14   |
| SCameraService                        | com.samsung.android.camerasdkservice   | 1.1         |
| SCameraXService                       | com.samsung.android.cameraxservice     | 1.1         |
| Configuration update                  | com.samsung.android.sdm.config         | 3.0.08      |
| SEMFactoryApp                         | com.sem.factoryapp                     | 1.0.00.41   |
| SKMSAgentService                      | com.skms.android.agent                 | 1.0.40-48   |
| 원스토어                                  | com.skt.skaf.A000Z00040                | 6.12.2      |
| Software update                       | com.sec.android.soagent                | 6.0.07      |
| Samsung Push Service                  | com.sec.spp.push                       | 3.3.06      |
| SVC Agent                             | com.samsung.android.svcagent           | 5.0.00.11   |
| Samsung voice input                   | com.samsung.android.svoiceime          | 2.3.01.1    |
| T 안심                                  | com.skt.t_smart_charge                 | 1.85        |
| Samsung account                       | com.osp.app.signin                     | 12.0.00.27  |
| Samsung Checkout                      | com.sec.android.app.billing            | 5.0.30.0    |
| Calendar Storage                      | com.android.providers.calendar         | 12.0.00.3   |
| Camera                                | com.sec.android.app.camera             | 11.0.01.10  |
| Samsung Cloud                         | com.samsung.android.scloud             | 4.6.00.12   |
| Contacts                              | com.samsung.android.app.contacts       | 12.1.02.12  |
| Contacts Storage                      | com.samsung.android.providers.contacts | 12.1.03     |
| Samsung Core Services                 | com.samsung.android.scs                | 1.0.00.33   |
| Samsung Device Health Manager Service | com.sec.android.sdhms                  | 11          |
| Phone                                 | com.samsung.android.dialer             | 12.1.02.12  |
| Samsung Experience Svc                | com.samsung.android.mobileservice      | 12.0.00.27  |
| Gallery                               | com.sec.android.gallery3d              | 12.0.00.50  |
| Call                                  | com.samsung.android.incallui           | 12.0.01.30  |
| Magnifier                             | com.sec.android.app.magnifier          | 10.0.60     |
| Messages                              | com.samsung.android.messaging          | 12.0.00.223 |
| Samsung Multi Connectivity            | com.samsung.android.mcfserver          | 1.0.02.46   |
| Samsung Pass                          | com.samsung.android.samsungpass        | 2.6.00.36   |
| SamsungPositioning                    | com.samsung.android.samsungpositioning | 3.1.01.6    |
| SamsungSmartSuggestions               | com.samsung.android.smartsuggestions   | 11          |
| What                                  | com.samsung.android.app.social         | 12.0.00.4   |
| Video Player                          | com.samsung.android.video              | 7.3.10.35   |
| Separated Apps                        | com.samsung.android.appseparation      | 1.0.01.32   |
| Configuration update                  | com.samsung.android.providers.carrier  | 1.0.27      |
| Download Manager                      | com.android.providers.downloads        | 11          |
| Sec Media Storage                     | com.samsung.android.providers.media    | 11          |
| My Files                              | com.sec.android.app.myfiles            | 12.0.00.482 |
| Settings                              | com.android.settings                   | 11          |
| Settings Suggestions                  | com.android.settings.intelligence      | 11          |
| Samsung SetupWizard                   | com.sec.android.app.SecSetupWizard     | 3.0.20.1    |
| SecSoundPicker                        | com.samsung.android.secsoundpicker     | 1.0.00.22   |
| Dialer Storage                        | com.android.providers.telephony        | 11          |
| Secure Folder                         | com.samsung.knox.securefolder          | 1.6.01.41   |
| Send SOS messages                     | com.sec.android.app.safetyassurance    | 12.0.00.38  |
| SettingsBixby                         | com.samsung.android.app.settings.bixby | 3.0.20      |
| Settings Storage                      | com.android.providers.settings         | 11          |
| Settings                              | com.samsung.android.SettingsReceiver   | 11          |
| Quick Share                           | com.samsung.android.app.sharelive      | 12.0.00.16  |
| com.android.sharedstoragebackup       | com.android.sharedstoragebackup        | 11          |
| Shell                                 | com.android.shell                      | 11          |
| Single Take                           | com.samsung.android.singletake.service | 2.0.00.18   |

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| Smart Call                               | com.samsung.android.smartcallprovider                       | 12.0.00.19   |
| EpdgTestApp                              | com.sec.epdgtestapp   | 11           |
| Translate                                | com.samsung.android.service.airviewdictionary               | 3.5.06       |
| Device care                              | com.samsung.android.lool                                    | 12.0.00.36   |
| Device security                          | com.samsung.android.sm.devicesecurity                       | 7.0.11       |
| SmartPush                                | com.skt.skaf.OA00199800                                     | 12.29        |
| com.samsung.android.smartswitchassistant | com.samsung.android.smartswitchassistant                    | 2.0.01       |
| SoundAlive                               | com.sec.android.app.soundalive                              | 9.5.13       |
| Intent Filter Verification Service       | com.android.statementservice                                | 1.0          |
| Crocro and friends                       | com.samsung.android.app.camera.sticker.facearavatar.preload | 3.0.11       |
| StoryService                             | com.samsung.storyservice                                    | 4.0.31       |
| Microsoft SwiftKey Keyboard              | com.touchtype.swiftkey                                      | 7.6.3.4      |
| Microsoft SwiftKey Factory Settings      | com.swiftkey.swiftkeyconfigurator                           | 2.2.0.473    |
| SystemUIBixby2                           | com.samsung.systemui.bixby2                                 | 1.4.01.1     |
| Samsung DeX System UI                    | com.samsung.desktopsystemui                                 | 11           |
| SystemUpdate                             | com.sec.android.systemupdate                                | 12.0.00.0    |
| TADownloader                             | com.samsung.android.tadownloader                            | 1.2.03       |
| Tphone                                   | com.skt.prod.dialer   | 9.7.3        |
| Phone Mode Setting                       | com.skt.prod.phone.phonemodesetupwizard                     | 0.2.1        |
| AuthFw TaPack                            | com.samsung.android.tapack.authfw                           | 1.0.32.0     |
| Tags                                     | com.android.apps.tag  | 4.3.00       |
| TalkBack                                 | com.samsung.android.accessibility.talkback                  | 12.0.00.23   |
| Tasks                                    | com.samsung.android.app.taskedge                            | 4.2.22       |
| Phone Services                           | com.android.phone   | 11           |
| Phone                                    | com.android.server.telecom                                  | 11           |
| Call settings                            | com.samsung.android.app.telephonyui                         | 12.0.01.17   |
| Galaxy Themes Service                    | com.samsung.android.themecenter                             | 11.0.0.0     |
| Galaxy Themes                            | com.samsung.android.themestore                              | 5.2.00.1113  |
| Tips                                     | com.samsung.android.app.tips                                | 3.0.26.0     |
| One UI Home                              | com.sec.android.app.launcher                                | 12.0.00.153  |
| User Dictionary                          | com.android.providers.userdictionary                        | 11           |
| UsimDownload                             | com.sec.android.UsimRegistrationKOR                         | 1.0.0        |
| VolumeMonitorProvider                    | com.sec.android.app.volumemonitorprovider                   | 1.2.02       |
| VpnDialogs                               | com.android.vpndialogs                                      | 11           |
| core                                     | com.microsoft.appmanager                                    | 1.20103.92.0 |
| IMS Service                              | com.sec.imsservice  | 1.0          |
| Knox Analytics Uploader                  | com.samsung.android.knox.analytics.uploader                 | 1.2.01.1     |
| KnoxVpnPacProcessor                      | com.knox.vpn.proxyhandler                                   | 11           |
| ringtonebackup                           | com.sec.android.app.ringtoneBR                              | 1.0.00.4     |
| Service mode                             | com.sec.android.app.servicemodeapp                          | 11           |
| SmartFaceService                         | com.samsung.android.smartface                               | 1.0          |
| com.samsung.android.wallpaper.res        | com.samsung.android.wallpaper.res                           | 11           |