## Galaxy S22(SM-S901U1) Application List

| Application                              | Package                                      | Version           |
|--|--|-------------------|
| Tethering                                | com.google.android.networkstack.tethering    | 12-8571231        |
| Filter Provider                          | com.samsung.android.provider.filterprovider  | 5.2.21            |
| Automation Test                          | com.sec.android.app.DataCreate               | 1.1               |
| com.samsung.android.smartswitchassistant | com.samsung.android.smartswitchassistant     | 2.1.18            |
| SetupWizardLegalProvider                 | com.sec.android.app.setupwizardlegalprovider | 2.1.04.0          |
| Finder                                   | com.samsung.android.app.galaxyfinder         | 9.9.40.0          |
| Samsung Location SDK                     | com.sec.location.nsflp2                      | 6.0.49            |
| ChromeCustomizations                     | com.sec.android.app.chromecustomizations     | 3.0.29            |
| AlwaysOnDisplay                          | com.samsung.android.app.aodservice           | 7.1.97.4          |
| Edge panels                              | com.samsung.android.app.cocktailbarservice   | 13.1.22.0         |
| Android Services Library                 | com.google.android.ext.services              | aml_ext_311812040 |
| com.samsung.android.knox.mpos            | com.samsung.android.knox.mpos                | 1.0.00.16         |
| Phone and Messaging Storage              | com.android.providers.telephony              | 12                |
| Samsung Editing Assets                   | com.sec.android.app.ve.vebgm                 | 2.2.81.0          |
| DRParser Mode                            | com.sec.android.app.parser                   | 13.0.01.2         |
| Dynamic System Updates                   | com.android.dynsystem                        | 12                |
| Tethering Provision                      | com.samsung.unifiedtp                        | 1.0.07.41         |
| KFA                                      | com.samsung.android.app.kfa                  | 1.2.43            |
| NetworkStackOverlay                      | com.samsung.android.networkstack             | 12                |
| Calendar                                 | com.samsung.android.calendar                 | 12.3.06.1000      |
| Cell Broadcast Service                   | com.google.android.cellbroadcastservice      | R-initial         |
| Calendar storage                         | com.android.providers.calendar               | 12.3.00.10        |
|  |  | 13.2.01.3         |
| Samsung account                          | com.osp.app.signin                           | 6.1.01.17         |
| AR Emoji                                 | com.samsung.android.aremoji                  | 2.0               |
| ClipboardSaveService                     | com.samsung.clipboardsaveservice             | 2.0.1             |
| TetheringAutomation                      | com.sec.automation                           | 12                |
| com.android.providers.media              | com.android.providers.media                  |                   |
| GlobalPostProcMgr                        | com.samsung.android.globalpostprocmgr        | 1.1.15            |
| com.android.wallpapercropper             | com.android.wallpapercropper                 | 12<br>12          |
| com.samsung.android.wallpaper.res        | com.samsung.android.wallpaper.res            |                   |
| Smart View                               | com.samsung.android.smartmirroring           | 8.2.18.25         |
| SKMSAgentService                         | com.skms.android.agent                       | 1.0.40-84         |
| Application recommendations              | com.samsung.android.mapsagent                | 1.0.00.35         |
| Send SOS messages                        | com.sec.android.app.safetyassurance          | 13.1.00.35        |
| Call                                     | com.samsung.android.incallui                 | 13.3.00.40        |
| Work profile                             | com.samsung.android.knox.containercore       | 1.0               |
| Tags                                     | com.samsung.android.service.tagservice       | 1.7.16.0          |
| Samsung Kids Installer                   | com.samsung.android.kidsinstaller            | 10.4.03.3         |
| FactoryCamera                            | com.sec.factory.camera                       | 3.5.61            |
| com.samsung.phone.overlay.common         | com.samsung.phone.overlay.common             | 12                |
| USBSettings                              | com.sec.usbsettings                          | 1.0               |
| Nearby device scanning                   | com.samsung.android.easysetup                | 11.1.06.2         |
| External Storage                         | com.android.externalstorage                  | 12                |
| Quick Share                              | com.samsung.android.aware.service            | 3.5.13.34         |
| EasyOneHand                              | com.sec.android.easyonehand                  | 6.0               |
| DeviceTest                               | com.sec.factory                              | 12                |
| HTML Viewer                              | com.android.htmlviewer                       | 3.0.05            |
| Video call effects                       | com.samsung.android.vtcamerasettings         | 2.5.00.13         |
| Companion Device Manager                 | com.android.companiondevicemanager           | 12                |
| MmsService                               | com.android.mms.service                      | 12                |
| Customization Service                    | com.samsung.android.rubin.app                | 3.1.01.1          |
| Download Manager                         | com.android.providers.downloads              | 12                |

| LED Cover Service                                 | com.sec.android.cover.ledcover                    | 1.5.07                        |
|---|---|-------------------------------|
| Smart Switch Agent                                | com.sec.android.easyMover.Agent                   | 1.9.00.19                     |
| com.google.android.networkstack.tethering.overlay | com.google.android.networkstack.tethering.overlay | 12                            |
| Media and devices                                 | com.samsung.android.mdx.quickboard                | 2.1.14.561                    |
| CACertApp   | vendor.qti.hardware.cacert.server                 | 12.4                          |
| Configuration message                             | com.wsomacp                                       | 7.6.03                        |
| FaceService                                       | com.samsung.faceservice                           | 7.0.14                        |
| Smart Touch Call                                  | com.samsung.android.visualars                     | 1.0.0.5                       |
| GPUWatch  | com.samsung.gpuwatchapp                           | 2.1.00                        |
| KPECore   | com.samsung.android.knox.kpecore                  | 2.2.07.19                     |
| KnoxPushManager                                   | com.samsung.android.knox.pushmanager              | 1.2.00.3                      |
| DeviceKeystring                                   | com.sec.android.app.factorykeystring              | 12                            |
|   |   | 2.0.00.25                     |
| EmergencyManagerService                           | com.sec.android.emergencymode.service             | 1.1.0                         |
| WlanTest  | com.sec.android.app.wlantest                      |                               |
| TalkBack  | com.samsung.android.accessibility.talkback        | 13.1.02.0                     |
| Media Storage                                     | com.google.android.providers.media.module         | 12-8641177                    |
| SmartFPSAdjuster                                  | com.sec.android.smartfpsadjuster                  | 12                            |
| SettingsBixby                                     | com.samsung.android.app.settings.bixby            | 4.1.04                        |
| EpdgTestApp                                       | com.sec.epdgtestapp                               | 12                            |
| Game Launcher                                     | com.samsung.android.game.gamehome                 | 6.0.01.3                      |
| Samsung DeX home                                  | com.sec.android.app.desktoplauncher               | 3.0.09.12                     |
| Smart Widget                                      | com.samsung.android.app.smartwidget               | 1.1.05                        |
| Weather   | com.sec.android.daemonapp                         | 1.6.45.14                     |
| SecVideoEngineService                             | com.sec.sve                                       | 1.0                           |
| Downloads   | com.android.providers.downloads.ui                | 12                            |
| Google Play Store                                 | com.android.vending                               | 29.8.13-21 [0] [PR] 435704331 |
| PacProcessor                                      | com.android.pacprocessor                          | 12                            |
| com.samsung.android.knox.attestation              | com.samsung.android.knox.attestation              | 1.3.00.6                      |
| SystemUIBixby2                                    | com.samsung.systemui.bixby2                       | 1.4.07.2                      |
| SecSoundPicker                                    | com.samsung.android.secsoundpicker                | 2.0.00.32                     |
| CallContentProvider                               | com.samsung.android.incall.contentprovider        | 13.0.00.5                     |
| SumeNN  | com.samsung.android.sume.nn.service               | 2.2.02.48                     |
| Sound quality and effects                         | com.sec.android.app.soundalive                    | 12.0.53                       |
| Private Share                                     | com.samsung.android.privateshare                  | 1.1.20.21                     |
| BadgeProvider                                     | com.sec.android.provider.badge                    | 2.1.00.9                      |
| Certificate installer                             | com.android.certinstaller                         | 12                            |
| com.android.carrierconfig                         | com.android.carrierconfig                         | 1.0.0                         |
| Work profile                                      | com.samsung.android.knox.containeragent           | 2.7.05001015                  |
| Samsung text-to-speech engine                     | com.samsung.SMT                                   | 3.3.00.7                      |
| CMHProvider                                       | com.samsung.cmh                                   | 7.0.64                        |
| mlp   | com.samsung.mlp                                   | 6.0.00                        |
| Software update                                   | com.samsung.sdm                                   | 3.0                           |
| Android System                                    | android   | 12                            |
| WcmUrlsNetworkStackOverlay                        | com.samsung.android.wcmurlsnetworkstack           | 12                            |
| Device security                                   | com.samsung.android.sm.devicesecurity             | 7.2.13                        |
| Peripheral Framework                              | com.samsung.android.peripheral.framework          | 2.5.00.2                      |
| FACM  | com.samsung.android.aircommandmanager             | 1.5.23                        |
| Wi-Fi tips  | com.samsung.android.net.wifi.wifiguider           | 1.6.02.70                     |
| com.samsung.android.wifi.softapwpathree.resources | com.samsung.android.wifi.softapwpathree.resources | 1.0                           |
| Bixby dictation                                   | com.samsung.android.bixby.service                 | 3.0.07.4                      |
| SmartThings Framework                             | com.samsung.android.service.stplatform            | 1.5.01.1                      |
| SmartFaceService                                  | com.samsung.android.smartface                     | 1.0                           |
| Android S Easter Egg                              | com.android.egg                                   | 1.0                           |
| MTP Host  | com.android.mtp                                   | 12                            |
| NFC   | com.android.nfc                                   | 12                            |
| com.android.ons                                   | com.android.ons                                   | 12                            |
| SIM toolkit                                       | com.android.stk                                   | 12                            |
| Messages  | com.samsung.android.messaging                     | 13.2.20.5                     |
| SCameraService                                    | com.samsung.android.camerasdkservice              | 1.1                           |
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| com.android.backupconfirm                       | com.android.backupconfirm                       | 12                |
|---|---|-------------------|
| KLMS Agent                                      | com.samsung.klmsagent                           | 3.8.210617        |
| Samsung setup wizard                            | com.sec.android.app.SecSetupWizard              | 4.1.38.1          |
| Call settings                                   |   | 13.1.00.148       |
|   | com.samsung.android.app.telephonyui             | 1.0               |
| com.samsung.android.wifi.softap.resources       | com.samsung.android.wifi.softap.resources       |                   |
| SamsungPositioning                              | com.samsung.android.samsungpositioning          | 3.1.03.8          |
| BSDService                                      | com.samsung.sait.bsdservice                     |                   |
| Bixby Voice                                     | com.samsung.android.bixby.agent                 | 3.2.13.2          |
| HwModuleTest                                    | com.sec.android.app.hwmoduletest                | 12                |
| Settings Suggestions                            | com.android.settings.intelligence               | 12                |
| com.sec.bcservice                               | com.sec.bcservice                               | 2.0               |
| SilentLogging                                   | com.sec.modem.settings                          | 1.0.1             |
| Permission usage                                | com.samsung.android.privacydashboard            | 1.0.01.13         |
| Permission controller                           | com.google.android.permissioncontroller         | aml_per_311810030 |
| Service mode                                    | com.sec.android.app.servicemodeapp              | 12                |
| TADownloader                                    | com.samsung.android.tadownloader                | 1.3.06            |
| Gallery   | com.sec.android.gallery3d                       | 13.1.05.15        |
| Settings Storage                                | com.android.providers.settings                  | 12                |
| VolumeMonitorProvider                           | com.sec.android.app.volumemonitorprovider       | 12.0.07           |
| Accessibility                                   | com.samsung.accessibility                       | 13.1.01.4         |
| IMS Service                                     | com.sec.imsservice                              | 1.0               |
| com.android.sharedstoragebackup                 | com.android.sharedstoragebackup                 | 12                |
| Group Sharing                                   | com.samsung.android.mobileservice               | 13.0.04.17        |
| Health Platform                                 | com.samsung.android.service.health              | 1.2.00.03         |
| SystemUpdate                                    | com.sec.android.systemupdate                    | 13.0.00.1         |
| System Helper Service                           | com.qualcomm.qti.services.systemhelper          | 1.0               |
| MDE Service Framework                           | com.samsung.android.mdx.kit                     | 1.3.03.6          |
| Gallery stories                                 |   | 7.0.46            |
| · · ·   | com.samsung.storyservice                        | 1.0               |
| com.google.android.overlay.modules.ext.services | com.google.android.overlay.modules.ext.services | 12                |
| SecureElementApplication                        | com.android.se                                  |                   |
| Input Devices                                   | com.android.inputdevices                        | 12                |
| Device Services                                 | com.samsung.android.kgclient                    | 3.0.82            |
| Secure Folder                                   | com.samsung.knox.securefolder                   | 1.7.02.9          |
| Assisted Dialing                                | com.sec.providers.assisteddialing               | 12                |
| SIM toolkit                                     | com.android.stk2                                | 12                |
| Game Booster                                    | com.samsung.android.game.gametools              | 4.0.00.35         |
| Samsung DeX System UI                           | com.samsung.desktopsystemui                     | 12                |
| Samsung SM8450 GameDriver                       | com.samsung.gamedriver.sm8450                   | 12.0.00.0         |
| CMFA Framework                                  | com.samsung.android.cmfa.framework              | 3.8.00.2          |
| People  | com.samsung.android.service.peoplestripe        | 13.0.05.0         |
| Dual Messenger                                  | com.samsung.android.da.daagent                  | 3.2.00.0          |
| BrightnessBNR                                   | com.samsung.android.brightnessbackupservice     | 12                |
| Reminder  | com.samsung.android.app.reminder                | 12.3.07.0         |
| com.test.LTEfunctionality                       | com.test.LTEfunctionality                       | 1.0               |
| Smart Call                                      | com.samsung.android.smartcallprovider           | 13.0.10.4         |
| Samsung capture                                 | com.samsung.android.app.smartcapture            | 4.9.58.1          |
| Samsung DeX                                     | com.sec.android.desktopmode.uiservice           | 4.2.15.2          |
| Tasks   | com.samsung.android.app.taskedge                | 13.1.04.0         |
| Wallpaper services                              | com.samsung.android.dynamiclock                 | 3.3.03.66         |
| IMS Settings                                    | com.samsung.advp.imssettings                    | 1.0               |
| slocation                                       | com.samsung.android.location                    | 1.6.49.116        |
| Clock   | com.sec.android.app.clockpackage                | 12.1.21.2         |
| Service mode RIL                                | com.sec.android.RilServiceModeApp               | 12.1.21.2         |
| Call & text on other devices                    | com.samsung.android.mdecservice                 | 4.1.00.28         |
| Network manager                                 | com.google.android.networkstack                 | aml_net_311811010 |
| Phone calls                                     | com.android.server.telecom                      | 12                |
|   |   | 30.1.2            |
| SamsungEuiccService                             | com.samsung.euicc                               |                   |
| ImsLogger                                       | com.sec.imslogger                               | 1.1.15.0          |
| Key Chain                                       | com.android.keychain                            | 12                |

| QDCM-FF  | com.qti.snapdragon.qdcm_ff                                  | 1.0  |
|--|---|--|
| AR Doodle  | com.samsung.android.ardrawing                               | 4.1.00.45  |
| Samsung Visit In   | com.samsung.android.ipsgeofence                             | 4.1.02.10  |
| CCAppList  | com.samsung.ccapplist                                       | 1.0  |
| Galaxy Themes Service  | com.samsung.android.themecenter                             | 12.0.0.0   |
| MobileWips   | com.samsung.android.themecenter                             | 1.1.30.3   |
| Package installer  | com.google.android.packageinstaller                         | 12-7567768   |
|  |   |  |
| Google Play services   | com.google.android.gms                                      | 22.06.18 (190408-433619428)                              |
| Google Services Framework  | com.google.android.gsf                                      | 12-7567768   |
| Speech Services by Google  | com.google.android.tts                                      | googletts.google-speech-apk_20220221.02_p3.432326328.tnt |
| Samsung Blockchain Keystore  | com.samsung.android.coldwalletservice                       | 1.3.09.9   |
| ContainerService   | com.samsung.android.container                               | 12   |
| Call Log Backup/Restore  | com.android.calllogbackup                                   | 12   |
| CameraExtensionsProxy  | com.android.cameraextensions                                | 12   |
| DiagMonAgent   | com.sec.android.diagmonagent                                | 8.0.21   |
| com.android.localtransport   | com.android.localtransport                                  | 12   |
| com.samsung.android.biometrics.app.setting                           | com.samsung.android.biometrics.app.setting                  | 1.0.0  |
| CarrierDefaultApp  | com.android.carrierdefaultapp                               | 12   |
| AR Emoji Editor  | com.samsung.android.aremojieditor                           | 4.8.01.1   |
| My Files   | com.sec.android.app.myfiles                                 | 13.1.00.281  |
| ProxyHandler   | com.android.proxyhandler                                    | 12   |
| Wi-Fi Direct   | com.samsung.android.allshare.service.fileshare              | 3.4.13.34  |
| Bixby Routines   | com.samsung.android.app.routines                            | 3.5.01.31  |
| DeX for PC   | com.sec.android.app.dexonpc                                 | 2.4.01.14  |
| Photo Editor   | com.sec.android.mimage.photoretouching                      | 3.0.25.37  |
| One UI Home  | com.sec.android.app.launcher                                | 13.1.09.9  |
| com.google.android.overlay.modules.permissioncontroller.forframework |   | 1.0  |
| Samsung ApexService  | com.sec.android.app.apex                                    | 3.4.07   |
| Work Setup   | com.android.managedprovisioning                             | 12   |
| Separate app sound   | com.samsung.android.setting.multisound                      | 3.0.00.33  |
| AR Zone  | com.samsung.android.arzone                                  | 1.7.01.4   |
| Authentication Framework   | com.samsung.android.authfw                                  | 4.0.00.9   |
| Samsung Internet   | com.sec.android.app.sbrowser                                | 16.2.5.10  |
|  | ·   | 12   |
| ConnectivityUxOverlay  | com.samsung.android.ConnectivityUxOverlay                   | 1.0.01.20  |
| Digital Key Framework  | com.samsung.android.carkey                                  |  |
| BixbyVision Framework  | com.samsung.android.bixbyvision.framework                   | 3.8.57.3   |
| Safety information   | com.samsung.safetyinformation                               | 3.0.46.0   |
| Phone  | com.samsung.android.dialer                                  | 13.1.30.0  |
| DQA  | com.samsung.android.dqagent                                 | 3.0.06   |
| Game Optimizing Service  | com.samsung.android.game.gos                                | 3.5.06.1   |
| Digital Wellbeing  | com.samsung.android.forest                                  | 3.2.00.8   |
| OCRDataProvider  | com.samsung.android.sdk.ocr                                 | 1.0.08.0   |
| Video Editor   | com.sec.android.app.vepreload                               | 4.4.80.5   |
| HdmApp   | com.samsung.android.hdmapp                                  | 2.0.00.2   |
| SEMFactoryApp  | com.sem.factoryapp  | 1.0.00.41  |
| Crocro and friends   | com.samsung.android.app.camera.sticker.facearavatar.preload |  |
| Live Wallpaper Picker  | com.android.wallpaper.livepicker                            | 12   |
| Nearby device scanning   | com.samsung.android.beaconmanager                           | 11.0.00.26   |
| Enterprise Sim Pin Service   | com.sec.enterprise.mdm.services.simpin                      | 12   |
| Tags   | com.android.apps.tag  | 4.3.02   |
| ConnectivityOverlay  | com.samsung.android.ConnectivityOverlay                     | 12   |
| Sticker Center   | com.samsung.android.stickercenter                           | 2.2.50.3   |
| Sec Media Storage  | com.samsung.android.providers.media                         | 12   |
| Software update  | com.sec.android.soagent                                     | 7.0.11   |
| AutoDoodle   | com.sec.android.autodoodle.service                          | 3.0.26.2   |
| Tools  | com.sec.android.app.quicktool                               | 13.1.04.0  |
| Find My Mobile   | com.samsung.android.fmm                                     | 7.2.24.12  |
| Galaxy Resource Updater  | com.samsung.android.gru                                     | 1.1.01.0   |
| MDMApp   | com.samsung.android.mdm                                     | 1.0  |
| INIDINITIP   | Joont.samsung.anuroiu.mum                                   | 1.0  |

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|--|--|------------------------|
| Link to Windows Service  | com.samsung.android.mdx  | 2.5.01.11              |
| MTP application  | com.samsung.android.mtp  | 12                     |
| Samsung Core Services  | com.samsung.android.scs  | 1.4.02.3               |
| Wi-Fi Calling  | com.sec.unifiedwfc   | 6.9.06.63              |
| com.sec.phone  | com.sec.phone  | 1.0                    |
| Separated Apps   | com.samsung.android.appseparation                              | 1.0.03.0               |
| Voice wake-up  | com.samsung.android.bixby.wakeup                               | 2.1.39.8               |
| App update   | com.samsung.android.app.updatecenter                           | 1.1.11                 |
| Samsung Keyboard   | com.samsung.android.honeyboard                                 | 5.4.70.34              |
| Samsung Pass   | com.samsung.android.samsungpass                                | 4.0.03.2               |
| com.android.server.NetworkPermissionConfig                     | com.google.android.networkstack.permissionconfig               | aml_pco_311011000      |
| Samsung Cloud  | com.samsung.android.scloud                                     | 5.2.00.6               |
| Sound picker   | com.samsung.android.app.soundpicker                            | 10.0.12.13             |
| Quick Share  | com.samsung.android.app.sharelive                              | 13.1.02.4              |
| RilNotifier  | com.sec.app.RilErrorNotifier                                   | 1.0.0                  |
| Samsung PaymentFramework                                       | com.samsung.android.spayfw                                     | 2.9.09                 |
| Settings   | com.android.settings   | 12                     |
| QTR  | com.qualcomm.qti.smq   |                        |
| Editor Lite  | , , ,  | QCC-TR-UI.2.1-20211111 |
|  | com.samsung.app.newtrim  | 4.0.40.14              |
| Samsung Wallet Digital Key                                     | com.samsung.android.dkey                                       | 1.0.07.3               |
| Dsms   | com.samsung.android.dsms                                       | 2.0.11                 |
| Secure Wi-Fi   | com.samsung.android.fast                                       | 7.0.01.5               |
| Device care  | com.samsung.android.lool                                       | 13.0.06.0              |
| Samsung Cloud Platform Manager                                 | com.samsung.android.scpm                                       | 1.0.00.17              |
| BluetoothTest  | com.sec.android.app.bluetoothtest                              | 12                     |
| Samsung Device Health Manager Service                          | com.sec.android.sdhms  | 1.0.0                  |
| Samsung Free   | com.samsung.android.app.spage                                  | 5.5.02.11              |
| AR Emoji Stickers  | com.sec.android.mimage.avatarstickers                          | 3.1.00.0               |
| Knox Analytics Uploader  | com.samsung.android.knox.analytics.uploader                    | 1.4.05.4               |
| SCPM Client  | com.samsung.android.sm.policy                                  | 4.0.00.5               |
| Launcher   | com.sec.android.emergencylauncher                              | 2.0.00.18              |
| Locale Overlay Manager   | com.samsung.android.localeoverlaymanager                       | 12                     |
| Adapt Sound  | com.sec.hearingadjust  | 12.2.25                |
| LocationServices   | com.qualcomm.location  | 1.0                    |
| Eye comfort shield   | com.samsung.android.bluelightfilter                            | 4.0.0                  |
| BBCAgent   | com.samsung.android.bbc.bbcagent                               | 5.0.00.23              |
|  | 5  |                        |
| Bixby Vision   | com.samsung.android.visionintelligence                         | 3.7.64.0               |
| Samsung USB-C headset  | com.samsung.android.app.earphonetypec                          | 1.2.32                 |
| Single take  | com.samsung.android.singletake.service                         | 3.0.00.35              |
| CallBGProvider   | com.samsung.android.callbgprovider                             | 13.1.01.12             |
| KnoxVpnPacProcessor  | com.knox.vpn.proxyhandler                                      | 12                     |
| SamsungOdaService  | com.samsung.oda.service  | 1.7.8                  |
| DECO PIC   | com.samsung.android.livestickers                               | 3.0.00.57              |
| Wearable Manager Installer                                     | com.samsung.android.app.watchmanagerstub                       | 2.1.01.22004           |
| SVC Agent  | com.samsung.android.svcagent                                   | 6.0.01.6               |
| com.google.android.overlay.modules.modulemetadata.forframework | com.google.android.overlay.modules.modulemetadata.forframework | 1.0                    |
| Auto Hotspot   | com.sec.mhs.smarttethering                                     | 1.1.09.0               |
| Samsung Galaxy Friends   | com.samsung.android.mateagent                                  | 2.1.70.6               |
| NetworkDiagnostic  | com.samsung.android.networkdiagnostic                          | 2.5.06.16              |
| ShortcutBNR  | com.samsung.android.shortcutbackupservice                      | 12                     |
| Samsung Multi Connectivity                                     | com.samsung.android.mcfserver                                  | 1.2.02.10              |
| VpnDialogs   | com.android.vpndialogs   | 12                     |
| com.samsung.ucs.agent.ese                                      | com.samsung.ucs.agent.ese                                      | 12                     |
| com.samsung.lnputEventApp                                      | com.samsung.lnputEventApp                                      | 1.0.0                  |
| com.samsung.android.networkstack.tethering.overlay             | com.samsung.android.networkstack.tethering.overlay             | 12                     |
|  | · · · · · · · · · · · · · · · · · · ·                          | 13.1.16                |
| Contacts Storage   | com.samsung.android.providers.contacts                         | 12                     |
| Phone services   | com.android.phone  |                        |
| Shell  | com.android.shell  | 12                     |
| CMFA AuthTouchService  | com.samsung.cmfa.AuthTouch                                     | 1.0.00.5               |

| com.android.wallpaperbackup | com.android.wallpaperbackup                     | 12          |
|-----------------------------|---|-------------|
| Blocked Numbers Storage     | com.android.providers.blockednumber             | 12          |
| Recommended apps            | com.samsung.android.app.omcagent                | 5.4.29      |
| User Dictionary             | com.android.providers.userdictionary            | 12          |
| Knox Enrollment Service     | com.sec.enterprise.knox.cloudmdm.smdms          | 2.2.00      |
| Software update             | com.wssyncmldm                                  | 3.9.05      |
| SimMobilityKit              | com.samsung.ims.smk                             | 1.3.20      |
| Fused Location              | com.android.location.fused                      | 12          |
| Apps                        | com.samsung.android.app.appsedge                | 13.1.27.0   |
| Autofill with Samsung Pass  | com.samsung.android.samsungpassautofill         | 4.0.00.25   |
| com.sec.epdg                | com.sec.epdg                                    | 12          |
| System UI                   | com.android.systemui                            | 12          |
| Perso                       | com.sec.android.app.personalization             | 12          |
| SoHService                  | com.samsung.sait.sohservice                     | 12          |
| Cameralyzer                 | com.sec.factory.cameralyzer                     | 3.4.22.6221 |
| HandwritingService          | com.samsung.android.sdk.handwriting             | 2.4.04.5    |
| AASAservice                 | com.samsung.aasaservice                         | 16          |
| Setup Wizard                | com.sec.android.app.setupwizard                 | 12.0.52     |
| Smart suggestions           | com.samsung.android.smartsuggestions            | 4.1.00.134  |
| Nearby Service              | com.samsung.android.allshare.service.mediashare | 3.3.13.34   |
| FactoryTestProvider         | com.samsung.android.providers.factory           | 12          |
| EmergencyProvider           | com.sec.android.provider.emergencymode          | 4.1.00.5    |
| SCameraXService             | com.samsung.android.cameraxservice              | 1.1         |
| AppLinker                   | com.sec.android.app.applinker                   | 2.2.08      |
| Configuration update        | com.samsung.android.cidmanager                  | 1.0.51      |
| Camera                      | com.sec.android.app.camera                      | 12.0.01.84  |
| Bluetooth                   | com.android.bluetooth                           | 12          |
| Clipboard edge              | com.samsung.android.app.clipboardedge           | 4.0.19      |
| com.qualcomm.timeservice    | com.qualcomm.timeservice                        | 11          |
| com.qualcomm.atfwd          | com.qualcomm.atfwd                              | 12          |
| IPService                   | com.samsung.ipservice                           | 7.0.61      |
| Magnifier                   | com.sec.android.app.magnifier                   | 11.1.55     |
| CSC                         | com.samsung.sec.android.application.csc         | 1.0.1.0     |
| Configuration update        | com.samsung.android.sdm.config                  | 4.0.15      |
| IOTHiddenMenu               | com.sec.hiddenmenu                              | 12          |
| Wallpaper and style         | com.samsung.android.app.dressroom               | 1.7.27      |
| Portrait                    | com.samsung.android.app.dofviewer               | 7.1.34      |
| AuthFw TaPack               | com.samsung.android.tapack.authfw               | 1.0.40.0    |
| Continuity Service          | com.samsung.android.mcfds                       | 1.2.02.10   |
| Video Player                | com.samsung.android.video                       | 7.3.17.4    |