前言

说明：

Launcher还没有优化，因此此报告只分析从init启动开始到启动launcher阶段。

加粗字体是时间戳

> log日志

Android启动阶段耗时分析

1.挂载分区+算system和vendor img的Hash

耗时1120ms，AVB相关，方法SetInitAvbVersionInRecovery();

> 88 1970/01/01 08:00:07.379247 **0.0034** 133 ECU1 KERN KERN 340 log info verbose 1
> Mountpoint-cache hash table entries: 32768 (order: 6, 262144 bytes)
> 89 1970/01/01 08:00:07.379252 **1.1298** 134 ECU1 KERN KERN 340 log warn verbose 1 NOHZ:
> local_softirq_pending 02
> 613 1970/01/01 08:00:07.383940 **2.7007** 146 ECU1 KERN KERN 340 log info verbose 1 init:
> init first stage started!

2.加载Selinux

耗时170ms，selinux_initialize(true);

> 620 1970/01/01 08:00:07.383976 **2.7400** 153 ECU1 KERN KERN 340 log info verbose 1 init:
> Loading SELinux policy
> 647 1970/01/01 08:00:07.385484 **2.9100** 180 ECU1 KERN KERN 340 log info verbose 1 init:
> init second stage started!

3.待确认vendor_init是什么进程

消耗200ms

> 656 1970/01/01 08:00:07.385530 **2.9613** 189 ECU1 KERN KERN 340 log info verbose 1 init:
> Forked subcontext for 'u:r:vendor_init:s0' with pid 224
> 657 1970/01/01 08:00:07.385535 **3.1647** 190 ECU1 KERN KERN 340 log info verbose 1
> ueventd: ueventd started!

4.ueventd启动

657 1970/01/01 08:00:07.385535 **3.1647** 190 ECU1 KERN KERN 340 log info verbose 1 ueventd: ueventd started!
674 1970/01/01 08:00:07.385628 **3.3700** 207 ECU1 KERN KERN 340 log info verbose 1 ueventd: Coldboot took 0.168 seconds

5.未知

消耗200ms

704 1970/01/01 08:00:07.386071 **4.0833** 237 ECU1 KERN KERN 340 log info verbose 1 msm-dwc3 a600000.ssusb: DWC3 in low power mode SUBSYSTEM=platform DEVICE=+platform:a600000.ssusb
705 1970/01/01 08:00:07.386077 **4.2547** 238 ECU1 KERN KERN 340 log warn verbose 1 sa8155-asoc-snd soc:qcom,msm-audio-apr:qcom,q6core-audio:sound-adp-star: ASoC: no DMI vendor name! SUBSYSTEM=platform DEVICE=+platform:soc:qcom,msm-audio-apr:qcom,q6core-audio:sound-adp-star

6.挂载usb设备相关

消耗370ms

708 1970/01/01 08:00:07.386095 **4.2781** 241 ECU1 KERN KERN 340 log info verbose 1 modprobe (236) used greatest stack depth: 11696 bytes left
709 1970/01/01 08:00:07.386100 **4.6423** 242 ECU1 KERN KERN 340 log info verbose 1 scsi 0:0:0:0: Direct-Access USB SanDisk 3.2Gen1 1.00 PQ: 0 ANSI: 6 SUBSYSTEM=scsi DEVICE=+scsi:0:0:0:0

7.创建sda节点

耗时130ms

712 1970/01/01 08:00:07.386276 **4.6739** 245 ECU1 KERN KERN 340 log info verbose 1 sda: sda1
713 1970/01/01 08:00:07.386281 **4.8029** 246 ECU1 KERN KERN 340 log info verbose 1 EXT4-fs (vdd34): recovery complete

8.挂载data

耗时870ms

714 1970/01/01 08:00:07.386286 **4.8058** 247 ECU1 KERN KERN 340 log info verbose 1 EXT4-fs (**vdd34**): mounted filesystem with ordered data mode. Opts: errors=remount-ro,nomblk_io_submit
715 1970/01/01 08:00:07.386291 **5.6742** 248 ECU1 KERN KERN 340 log info verbose 1 e2fsck: e2fsck 1.43.3 (04-Sep-2016)\x0a

9.挂载iflytek

消耗200ms

> 733 1970/01/01 08:00:07.386388 **5.9442** 10 ECU1 KERN KERN 340 log info verbose 1 EXT4-fs
> (**vdd25**): mounted filesystem with ordered data mode. Opts: errors=remount-
> ro,nomblk_io_submit
> 734 1970/01/01 08:00:07.386393 **6.1491** 11 ECU1 KERN KERN 340 log info verbose 1 EXT4-fs
> (vdd25): mounted filesystem with ordered data mode. Opts: (null)

10.挂载fotadata

消耗 250ms
741 1970/01/01 08:00:07.386426 **6.3614** 18 ECU1 KERN KERN 340 log info verbose 1 EXT4-fs
(**vdd33**): mounted filesystem with ordered data mode. Opts: errors=remount-
ro,nomblk_io_submit
742 1970/01/01 08:00:07.386431 **6.6189** 19 ECU1 KERN KERN 340 log info verbose 1 EXT4-fs
(vdd33): mounted filesystem with ordered data mode. Opts: (null)

11.总共挂载时间

消耗 4000ms （有主机，副屏和仪表）

> 617 1970/01/01 08:00:07.383961 **2.7318** 150 ECU1 KERN KERN 340 log info verbose 1 EXT4-
> fs (**vdd20**): mounted filesystem without journal. Opts: barrier=1,discard
> 754 1970/01/01 08:00:07.386489 **6.7770** 31 ECU1 KERN KERN 340 log info verbose 1 EXT4-fs
> (vdd23): mounted filesystem with ordered data mode. Opts: barrier=1

11.1 只有主机mountall

耗时：2900ms

12.启动守护进程耗时

(logd,servicemanager,hwservicemanager,vndservicemanager,qseecomd,automotive.vehicle,hard
ware.boot,getekeeper,keymaster,vehiclelan.proxy,vold,ais_v412_proxy,dlt_daemon,systemlog,net
d,iptables-restore,ip6tables-restore) 消耗1300ms

> 1133 1970/01/01 08:00:07.440727 **6.0886** 154 ECU1 Serv LOGD 340 log info verbose 1
> I/**ServiceManagement**(294): Removing namespace from process name
> android.hardware.gatekeeper@1.0-service-qti to gatekeeper@1.0-service-qti.
> 3079 1970/01/01 08:00:08.728332 **8.0727** 52 ECU1 Serv LOGD 340 log info verbose 1
> I/**ServiceManagement**(599): Removing namespace from process name
> android.hardware.media.omx@1.0-service to omx@1.0-service.

13.启动虚拟机 启动虚拟机，注册JNI函数，然后调用ZygoteInit的main,启动 zygote

消耗1000ms

2143 1970/01/01 08:00:08.518533 **8.0517** 140 ECU1 Andr LOGD 340 log debug verbose 1
D/AndroidRuntime(343): >>>>>> START com.android.internal.os.ZygoteInit uid 0 <<<<<<
3230 1970/01/01 08:00:09.303995 **9.0301** 203 ECU1 sysu LOGD 340 log info verbose 1
I/sysui_histogram(344): [boot_zygote_init,9301]

==============================zygote 进程==================================

14.启动zygote

zygote32加载资源耗时1000ms lazy加载消耗6ms。最后fork另一个进程调用SystemServer.main

3235 1970/01/01 08:00:09.320542 **9.0312** 208 ECU1 Zygo LOGD 340 log debug verbose 1
D/Zygote (343): **begin preload**
3272 1970/01/01 08:00:09.896990 **9.0896** 245 ECU1 Zygo LOGD 340 log debug verbose 1
D/Zygote64Timing(343): **PreloadClasses** took to complete: 525ms
3298 1970/01/01 08:00:09.987205 **9.0981** 15 ECU1 Zygo LOGD 340 log debug verbose 1
D/Zygote64Timing(343): **PreloadResources** took to complete: 85ms
3306 1970/01/01 08:00:10.025590 **10.0024** 23 ECU1 Zygo LOGD 340 log debug verbose 1
D/Zygote (343): **end preload**

3312 1970/01/01 08:00:10.046181 **10.0045** 29 ECU1 Zygo LOGD 340 log debug verbose 1
D/Zygote64Timing(343): ZygoteInit took to complete: 733ms

5793 1970/01/01 08:00:12.162046 **12.0160** 206 ECU1 Zygo LOGD 340 log debug verbose 1
D/Zygote (344): **begin preload**
5792 1970/01/01 08:00:12.161982 **12.0160** 205 ECU1 Zygo LOGD 340 log info verbose 1
I/Zygote (344): **Lazily preloading resources.**
8378 2021/10/11 15:55:08.533926 **12.0742** 231 ECU1 Zygo LOGD 340 log debug verbose 1
D/Zygote (344): **end preload**

15.启动另一个zygote

消耗1100ms，此处会sleep 1000ms等待另一个zygote启动。

10687 2021/10/11 15:55:09.698136 **13.0800** 246 ECU1 Zygo LOGD 340 log warn verbose 1
W/ZygoteProcess(741): Got error connecting to zygote, retrying. msg= Connection refused

16.启动WebViewZygoteInit

10690 2021/10/11 15:55:09.698159 **13.0806** 249 ECU1 WebV LOGD 340 log info verbose 1
I/WebViewZygoteInit(1232): Starting WebViewZygoteInit

==============================SystemServer 进程

================================

17.启动SystemServer,并且加载Contenxt资源

消耗50ms

3342 1970/01/01 08:00:10.198152 **10.0197** 59 ECU1 Syst LOGD 340 log info verbose 1 I/SystemServer(741): InitBeforeStartServices

3534 1970/01/01 08:00:10.446575 **10.0445** 251 ECU1 Syst LOGD 340 log info verbose 1 I/SystemServer(741): StartServices

17.1 启动引导服务 startBootstrapServices

消耗1700ms 包括PKMS扫描APK，详情参见附件一

3534 1970/01/01 08:00:10.446575 **10.0445** 251 ECU1 Syst LOGD 340 log info verbose 1 I/SystemServer(741): StartServices

5553 1970/01/01 08:00:12.087488 **12.0086** 222 ECU1 Syst LOGD 340 log debug verbose 1 D/SystemServerTiming(741): **StartPackageManagerService took to complete: 1494ms**

5669 1970/01/01 08:00:12.122919 **12.0101** 82 ECU1 Syst LOGD 340 log debug verbose 1 D/SystemServerInitThreadPool(741): Finished executing StartSensorService

17.2 启动核心服务

消耗 20ms

5655 1970/01/01 08:00:12.122591 **12.0093** 68 ECU1 Syst LOGD 340 log info verbose 1 I/SystemServer(741): StartBatteryService
5699 1970/01/01 08:00:12.123745 **12.0117** 112 ECU1 Syst LOGD 340 log info verbose 1 I/SystemServer(741): StartBinderCallsStatsService

17.3 启动其他服务

消耗2300ms

5703 1970/01/01 08:00:12.123868 **12.0118** 116 ECU1 Syst LOGD 340 log info verbose 1 I/SystemServer(741): SecondaryZygotePreload
10419 2021/10/11 15:55:09.416040 **13.0615** 224 ECU1 Acti LOGD 340 log info verbose 1 I/ActivityManager(741): System now ready //系统启动结束，下面启动一些自定义的部分服务 CoreManagerHelperService，QnxHelperService，systemUi等
11684 2021/10/11 15:55:10.211172 **14.0413** 219 ECU1 Syst LOGD 340 log info verbose 1 I/SystemServer(741): StartWatchdog
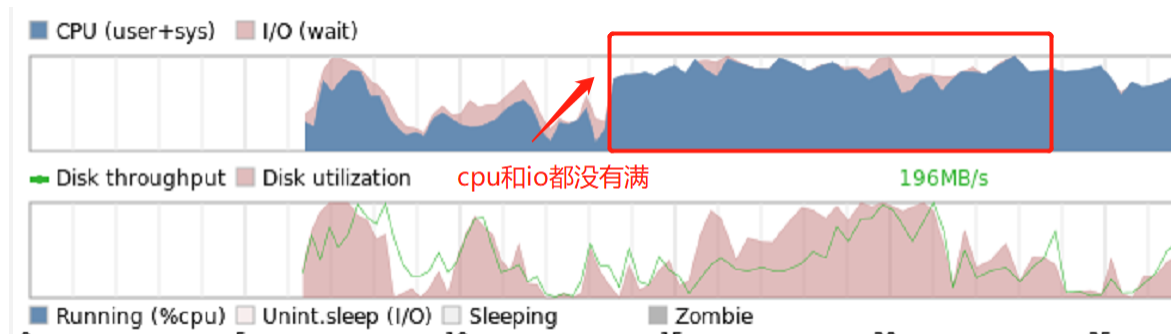11877 2021/10/11 15:55:10.275099 **14.0482** 156 ECU1 Syst LOGD 340 log info verbose 1 I/SystemServer(741): IncidentDaemonReady // AMS systemready回调做的最后一件事情。下面开始启动app。

11948 2021/10/11 15:55:10.322878 **14.0532** 227 ECU1 Syst LOGD 340 log debug verbose 1 D/SystemServerTiming(741): **StartServices took to complete: 4087ms**

启动所有原生服务耗时4087ms。**详情参见附件二**

17.4 启动persistent应用

此处只是调用zygote fork一个进程，然后在其他进程各自执行自己的代码，**只要CPU和IO不block，理论不会影响开机启动速度！**

cpu和io都没有满

> startPersistentApps(PackageManager.MATCH_DIRECT_BOOT_AWARE);
>
> 11945 2021/10/11 15:55:10.322580 **14.0531** 224 ECU1 Syst LOGD 340 log debug verbose 1 D/SystemServerTiming(741): **ActivityManagerStartApps took to complete: 49ms**

17.5 启动setting的fallback home

消耗918ms

> 14534 2021/10/11 15:55:11.457145 **15.0413** 253 ECU1 am_a LOGD 340 log info verbose 1 I/am_activity_launch_time(741):
>
> [0,23925135,com.android.settings/.FallbackHome,918,918]**

17.6 检查解锁，启动16s开始启动launcher

> 18698 2021/01/01 00:00:25.530286 **16.0769** 73 ECU1 Fall LOGD 340 log debug verbose 1 D/FallbackHome(1716): User unlocked and real home found; let's go!

总结：

- 计算system和vendor的hash值耗时1200ms
- 挂载各个分区耗时4000ms
- 启动各个守护进程1300ms
- 资源加载耗时1000ms
- 扫描APK耗时1700ms
- 启动其他服务耗时2300ms
- Android启动从启动到Framework启动结束耗时14.05s
- 设置启动FallbackHome耗时918ms，在15s开始检查是否解锁
- 检查解锁耗时1s，在启动至16s的时候开启启动Launcher。

思考：

1.裁剪预加载类和资源最多只能获得百毫秒级的提升，但是裁剪之后可能存在字体，语言不支持等异常

2.裁剪其他服务，此处可以获得百毫秒级的提升，但是也存在有依赖失效的风险

3.调整服务等启动顺序，在该车机上理论不会获得启动时间的提升，因为在SystemServer启动服务阶段，CPU和IO都没有跑满，理论上不应该影响启动时间。

附件：

1.项目应用列表

一共有201个APK。

说明：每一行就是一个apk

```
package:com.android.cts.priv.ctsshim   # tailor
package:com.qualcomm.qti.qms.service.telemetry
package:com.iflytek.autofly.accountcenter
package:com.iflytek.autofly.systemserver
package:com.android.car.messenger
package:com.android.internal.display.cutout.emulation.corner
package:com.gxatek.multiinstanceservice
package:com.qualcomm.qti.improvetouch.service
package:com.android.internal.display.cutout.emulation.double
package:com.android.providers.telephony
package:com.android.providers.calendar # 日历程序支持服务
package:com.iflytek.autofly.naviselect
package:com.gxatek.cockpit.diagnostic
package:com.android.providers.media
package:com.qti.service.colorservice
package:com.android.wallpapercropper # tailor
package:com.android.car.media
package:com.quicinc.cne.CNEService
package:com.android.car.radio
package:com.android.car.trust
package:com.core.system.service
package:com.gxa.car.timesync
package:com.android.protips   # tailor
package:com.gxatek.cockpit.atmospherelampservice
package:com.qiyi.video.pad
package:com.android.documentsui # tailor
package:com.android.externalstorage
package:com.qualcomm.uimremoteclient
package:com.android.htmlviewer # tailor
package:com.gxatek.cockpit.launcher
package:com.android.companiondevicemanager
package:com.android.quicksearchbox # tailor
package:com.android.mms.service   # tailor
package:com.gxa.car.externalkey
package:com.gxa.service.account
package:com.qualcomm.qti.qms.service.connectionsecurity
package:com.android.providers.downloads   # tailor
package:com.gxatek.cockpit.vicelauncher
```

```
package:com.desay_svautomotive.svcarinfo
package:com.gxa.car.qnxapp
package:com.gxatek.cockpit.gallery
package:com.android.soundrecorder  # tailor
package:android.car.cluster.loggingrenderer
package:com.gxa.service.carusbpdate
package:com.qualcomm.uimremoteserver
package:com.android.defcontainer  # 应用安装相关的应用，删除可能无法启动
package:com.qti.confuridialer
package:com.desay_svautomotive.service.projectionservice
package:com.android.car.mapsplaceholder
package:com.android.providers.downloads.ui # tailor
package:com.android.pacprocessor
package:com.android.simappdialog  # tailor 插入sim卡的弹窗
package:com.iflytek.cutefly.speechclient.hmi
package:com.android.internal.display.cutout.emulation.tall
package:com.android.certinstaller  # tailor 证书安装
package:com.android.carrierconfig # tailor 可用网络的默认配置
package:android
package:com.android.contacts
package:com.android.camera2
package:com.qualcomm.wfd.service
package:com.gxatek.cockpit.schedule
package:com.android.car.systemupdater
package:com.gxa.car.engineMode
package:com.gxatek.cockpit.msgcenter
package:com.android.car
package:com.android.egg  # tailor 彩蛋
package:com.android.mtp  # ? usb传输协议相关的
package:com.android.nfc  # tailor
package:com.android.stk
package:com.android.backupconfirm
package:com.gxatek.appservice.cluster
package:com.gxa.service.devicemanager
package:com.android.provision #系统初始化引导程序，写入一个DEVICE_PROVISIONED标记
package:com.android.statementservice
package:com.android.settings.intelligence
package:com.android.calendar # tailor日历
package:com.android.systemui.theme.dark
package:com.gxatek.cockpit.carlife
package:com.gxatek.cockpit.carplay
package:com.gxa.car.ncm.overlay
package:com.iflytek.auto.mall.hmi
package:com.android.car.settings
package:com.iflytek.autofly.h5
package:com.qualcomm.qti.dynamicddsservice
package:com.gxa.service.ebcall
package:com.android.car.hvac
package:com.qualcomm.qcrilmsgtunnel
package:com.android.providers.settings
package:com.android.sharedstoragebackup
package:com.gxatek.cockpit.carsettings
package:com.android.printspooler
package:com.qualcomm.qti.improvetouch
package:com.android.dreams.basic
package:com.gxatek.cockpit.applet
package:com.android.webview
package:com.gxatek.cockpit.btcall
```

```
package:com.android.se
package:com.android.inputdevices
package:com.android.support.car.lenspicker
package:com.gxa.service.ota
package:com.android.bips
package:com.iflytek.autofly.mediax
package:com.qti.dpmserviceapp
package:com.google.android.car.defaultstoragemonitoringcompanionapp
package:com.android.musicfx    # 原生音效
package:com.gxatek.cockpit.scenesengine
package:com.gxa.car.ncm
package:com.android.cellbroadcastreceiver     # 小区广播
package:android.ext.shared
package:com.android.onetimeinitializer #  首次启动用于装谷歌app的
package:com.android.server.telecom
package:com.android.keychain
package:com.qti.snapdragon.qdcm_ff
package:com.ts.appservice.kanzikotanimationservice
package:com.gxatek.cockpit.weather
package:com.gxa.service.messagecenter
package:com.android.printservice.recommendation
package:com.android.dialer # 原生拨号盘
package:com.android.gallery3d # 相机相框
package:android.ext.services
package:com.desay_svautomotive.multiscreen
package:com.android.calllogbackup #手机通话记录备份工具
package:com.gxatek.cockpit.testcarlife
package:com.gxatek.cockpit.testcarplay
package:com.android.packageinstaller
package:com.android.carrierdefaultapp # 运营商默认流量服务
package:com.gac.cloud.app
package:com.android.car.media.localmediaplayer
package:com.android.proxyhandler   # 自动配置代理
package:com.gxa.car.procmanagement
package:com.android.inputmethod.latin   # 原生输入法
package:com.gxa.appservice.caradapter
package:org.chromium.webview_shell
package:android.car.usb.handler
package:com.gxa.service.cluster
package:com.gxa.service.settings
package:com.android.managedprovisioning #工作组资料设置   ?
package:com.gxa.service.mediacenterservice
package:com.android.dreams.phototable   # PhotoTable屏保
package:com.gxa.cockpit.hvac
package:cn.gaei.appstore
package:com.desaysv.otaservice
package:com.gxa.firewall
package:com.gxatek.cockpit.voicecarctrl
package:com.android.smspush   # 短信推送
package:com.android.wallpaper.livepicker   # 动态墙纸选择器
package:com.gxa.service.weather
package:com.google.android.car.vms.subscriber
package:com.qti.snapdragon.qdcm_mobile
package:com.gxa.appservice.platformadapter.adaptermainservice
package:com.gxa.service.systemui
package:com.android.storagemanager
package:com.android.bookmarkprovider # 书签
package:com.gxatek.cockpit.miniprogram
```

```
package:com.android.settings
package:com.qualcomm.qti.sva
package:com.gxatek.cockpit.carservice
package:com.gxatek.cockpit.avdc
package:com.android.calculator2 # 计算器
package:com.gxa.service.bluetooth
package:com.gxatek.cockpit.settings
package:com.android.cts.ctsshim # cts
package:com.gxa.car.audio
package:com.gxa.car.power
package:com.gxa.car.scene
package:com.iflytek.inputmethod
package:com.qti.diagservices
package:com.iflytek.autofly.dms
package:com.android.vpndialogs # VPN
package:com.iflytek.autofly.platformservice
package:com.android.email    # 原生email
package:com.android.music    # 原生music
package:com.android.phone    # 原生phone
package:com.android.shell    # ?
package:com.android.wallpaperbackup # 墙纸备份
package:com.android.providers.blockednumber
package:com.android.providers.userdictionary   # 用户词典Content Provider
package:com.android.emergency   # 急救信息
package:com.gxa.car.wifi.service
package:com.android.location.fused
package:com.android.deskclock   # 自带闹钟
package:com.android.systemui
package:com.android.bluetoothmidiservice
package:com.qualcomm.qti.poweroffalarm
package:com.gxatek.cockpit.vpamultimode
package:com.gxa.permission
package:com.guangqi.chezaiapp
package:com.gxa.car.hardkey
package:com.android.traceur
package:com.gxatek.cockpit.screensaver
package:com.qualcomm.qti.qms.service.trustzoneaccess
package:com.desaysv.ftpserver
package:com.android.bluetooth
package:com.qualcomm.timeservice
package:com.android.providers.contacts
package:com.gxatek.cockpit.dvr
package:com.android.captiveportallogin
package:com.google.android.car.vms.publisher
package:com.gxatek.cockpit.globalsearch
package:org.codeaurora.qti.nrNetworkSettingApp
package:com.gxatek.cockpit.account
```

2.启动原生服务耗时

日志说明：每一行就是启动一个服务的耗时，其中也包含加载系统共享资源的耗时统计

```
1 D/Zygote32Timing( 346): PostZygoteInitGC took to complete: 8ms
1 D/Zygote32Timing( 346): ZygoteInit took to complete: 8ms
1 D/Zygote64Timing( 345): BeginIcuCachePinning took to complete: 49ms
```

```
1 D/Zygote64Timing( 345): PreloadClasses took to complete: 530ms
1 D/Zygote64Timing( 345): PreloadResources took to complete: 80ms
1 D/Zygote64Timing( 345): ZygotePreload took to complete: 704ms
1 D/Zygote64Timing( 345): PostZygoteInitGC took to complete: 20ms
1 D/Zygote64Timing( 345): ZygoteInit took to complete: 725ms
1 D/SystemServerTiming( 736): InitBeforeStartServices took to complete: 192ms
1 D/SystemServerTiming( 736): ReadingSystemConfig took to complete: 0ms
1 D/SystemServerTiming( 736): StartInstaller took to complete: 10ms
1 D/SystemServerTiming( 736): DeviceIdentifiersPolicyService took to complete:
1ms
1 D/SystemServerTiming( 736): StartActivityManager took to complete: 110ms
1 D/SystemServerTiming( 736): StartPowerManager took to complete: 14ms
1 D/SystemServerTiming( 736): InitPowerManagement took to complete: 2ms
1 D/SystemServerTiming( 736): StartRecoverySystemService took to complete: 2ms
1 D/SystemServerTiming( 736): StartLightsService took to complete: 0ms
1 D/SystemServerTiming( 736): StartSidekickService took to complete: 0ms
1 D/SystemServerTiming( 736): StartDisplayManager took to complete: 2ms
1 D/SystemServerTiming( 736): WaitForDisplay took to complete: 16ms
1 D/SystemServerTiming( 736): StartPackageManagerService took to complete:
1371ms
1 D/SystemServerTiming( 736): StartOtaDexOptService took to complete: 0ms
1 D/SystemServerTiming( 736): StartUserManagerService took to complete: 0ms
1 D/SystemServerTiming( 736): InitAttributerCache took to complete: 0ms
1 D/SystemServerTiming( 736): SetSystemProcess took to complete: 4ms
1 D/SystemServerTiming( 736): StartOverlayManagerService took to complete: 1ms
1 D/SystemServerTimingAsync( 736): StartSensorService took to complete: 7ms
1 D/SystemServerTiming( 736): StartBatteryService took to complete: 9ms
1 D/SystemServerTiming( 736): StartUsageService took to complete: 20ms
1 D/SystemServerTiming( 736): StartWebViewUpdateService took to complete: 0ms
1 D/SystemServerTiming( 736): StartBinderCallsStatsService took to complete:
0ms
1 D/SystemServerTiming( 736): StartKeyAttestationApplicationIdProviderService
took to complete: 0ms
1 D/SystemServerTiming( 736): StartKeyChainSystemService took to complete: 1ms
1 D/SystemServerTiming( 736): StartSchedulingPolicyService took to complete:
0ms
1 D/SystemServerTiming( 736): StartTelecomLoaderService took to complete: 0ms
1 D/SystemServerTiming( 736): StartTelephonyRegistry took to complete: 1ms
1 D/SystemServerTiming( 736): StartEntropyMixer took to complete: 23ms
1 D/SystemServerTiming( 736): StartAccountManagerService took to complete: 3ms
1 D/SystemServerTiming( 736): StartContentService took to complete: 8ms
1 D/ZygoteInitTiming_lazy( 346): BeginIcuCachePinning took to complete: 14ms
1 D/SystemServerTiming( 736): InstallSystemProviders took to complete: 84ms
1 D/SystemServerTiming( 736): StartDropBoxManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartVibratorService took to complete: 2ms
1 D/SystemServerTiming( 736): StartConsumerIrService took to complete: 0ms
1 D/SystemServerTiming( 736): StartAlarmManagerService took to complete: 3ms
1 D/SystemServerTiming( 736): InitWatchdog took to complete: 0ms
1 D/SystemServerTiming( 736): StartInputManagerService took to complete: 2ms
1 D/SystemServerTiming( 736): StartWindowManagerService took to complete: 19ms
1 D/SystemServerTiming( 736): SetWindowManagerService took to complete: 38ms
1 D/SystemServerTiming( 736): WindowManagerServiceOnInitReady took to complete:
14ms
1 D/SystemServerTiming( 736): StartVrManagerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartInputManager took to complete: 1ms
1 D/SystemServerTimingAsync( 736): StartHidlServices took to complete: 2ms
1 D/SystemServerTiming( 736): DisplayManagerWindowManagerAndInputReady took to
complete: 0ms
```

```
1 D/SystemServerTiming( 736): StartBluetoothService took to complete: 0ms
1 D/SystemServerTiming( 736): IpConnectivityMetrics took to complete: 1ms
1 D/SystemServerTiming( 736): NetworkWatchlistService took to complete: 5ms
1 D/SystemServerTiming( 736): PinnerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartInputMethodManagerLifecycle took to
complete: 6ms
1 D/SystemServerTiming( 736): StartAccessibilityManagerService took to
complete: 2ms
1 D/SystemServerTiming( 736): MakeDisplayReady took to complete: 17ms
1 D/SystemServerTiming( 736): StartStorageManagerService took to complete: 3ms
1 D/SystemServerTiming( 736): StartStorageStatsService took to complete: 2ms
1 D/SystemServerTiming( 736): StartUiModeManager took to complete: 1ms
1 D/SystemServerTiming( 736): UpdatePackagesIfNeeded took to complete: 0ms
1 D/SystemServerTiming( 736): PerformFstrimIfNeeded took to complete: 0ms
1 D/SystemServerTiming( 736): StartLockSettingsService took to complete: 4ms
1 D/SystemServerTiming( 736): StartPersistentDataBlock took to complete: 0ms
1 D/SystemServerTiming( 736): StartOemLockService took to complete: 2ms
1 D/SystemServerTiming( 736): StartDeviceIdleController took to complete: 1ms
1 D/SystemServerTiming( 736): StartDevicePolicyManager took to complete: 2ms
1 D/SystemServerTiming( 736): StartStatusBarManagerService took to complete:
0ms
1 D/SystemServerTiming( 736): StartClipboardService took to complete: 1ms
1 D/SystemServerTiming( 736): StartNetworkManagementService took to complete:
1ms
1 D/SystemServerTiming( 736): StartIpSecService took to complete: 1ms
1 D/SystemServerTiming( 736): StartTextServicesManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartTextClassificationManagerService took to
complete: 1ms
1 D/SystemServerTiming( 736): StartNetworkScoreService took to complete: 0ms
1 D/SystemServerTiming( 736): StartNetworkStatsService took to complete: 5ms
1 D/SystemServerTiming( 736): StartNetworkPolicyManagerService took to
complete: 1ms
1 D/SystemServerTiming( 736): StartWifi took to complete: 76ms
1 D/SystemServerTiming( 736): StartWifiScanning took to complete: 3ms
1 D/SystemServerTiming( 736): StartRttService took to complete: 3ms
1 D/SystemServerTiming( 736): StartWifiP2P took to complete: 3ms
1 D/SystemServerTiming( 736): StartEthernet took to complete: 0ms
1 D/SystemServerTiming( 736): StartConnectivityService took to complete: 6ms
1 D/SystemServerTiming( 736): StartNsdService took to complete: 1ms
1 D/SystemServerTiming( 736): StartSystemUpdateManagerService took to complete:
1ms
1 D/SystemServerTiming( 736): StartUpdateLockService took to complete: 0ms
1 D/SystemServerTiming( 736): StartNotificationManager took to complete: 12ms
1 D/SystemServerTiming( 736): StartDeviceMonitor took to complete: 1ms
1 D/SystemServerTiming( 736): StartLocationManagerService took to complete: 0ms
1 D/SystemServerTiming( 736): StartCountryDetectorService took to complete: 0ms
1 D/SystemServerTiming( 736): StartSearchManagerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartWallpaperManagerService took to complete:
1ms
1 D/SystemServerTiming( 736): StartAudioService took to complete: 19ms
1 D/SystemServerTiming( 736): StartBroadcastRadioService took to complete: 5ms
1 D/SystemServerTiming( 736): StartDockObserver took to complete: 1ms
1 D/SystemServerTiming( 736): StartWiredAccessoryManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartMidiManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartUsbService took to complete: 15ms
1 D/SystemServerTiming( 736): StartSerialService took to complete: 0ms
1 D/SystemServerTiming( 736): StartHardwarePropertiesManagerService took to
complete: 2ms
```

```
1 D/SystemServerTiming( 736): StartTwilightService took to complete: 1ms
1 D/SystemServerTiming( 736): StartNightDisplay took to complete: 0ms
1 D/SystemServerTiming( 736): StartJobScheduler took to complete: 5ms
1 D/SystemServerTiming( 736): StartSoundTrigger took to complete: 0ms
1 D/SystemServerTiming( 736): StartTrustManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartBackupManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartAppWidgerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartVoiceRecognitionManager took to complete:
0ms
1 D/SystemServerTiming( 736): StartGestureLauncher took to complete: 0ms
1 D/SystemServerTiming( 736): StartSensorNotification took to complete: 0ms
1 D/SystemServerTiming( 736): StartContextHubSystemService took to complete:
1ms
1 D/SystemServerTiming( 736): StartDiskStatsService took to complete: 1ms
1 D/SystemServerTiming( 736): StartNetworkTimeUpdateService took to complete:
5ms
1 D/SystemServerTiming( 736): StartCommonTimeManagementService took to
complete: 1ms
1 D/SystemServerTiming( 736): CertBlacklister took to complete: 0ms
1 D/SystemServerTiming( 736): StartEmergencyAffordanceService took to complete:
0ms
1 D/SystemServerTiming( 736): StartDreamManager took to complete: 1ms
1 D/SystemServerTiming( 736): AddGraphicsStatsService took to complete: 2ms
1 D/SystemServerTiming( 736): StartPrintManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartCompanionDeviceManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartRestrictionManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartMediaSessionService took to complete: 1ms
1 D/SystemServerTiming( 736): StartMediaUpdateService took to complete: 0ms
1 D/SystemServerTiming( 736): StartMediaResourceMonitor took to complete: 0ms
1 D/SystemServerTiming( 736): StartMediaRouterService took to complete: 1ms
1 D/SystemServerTiming( 736): StartBackgroundDexOptService took to complete:
0ms
1 D/SystemServerTiming( 736): StartPruneInstantAppsJobService took to complete:
2ms
1 D/SystemServerTiming( 736): StartShortcutServiceLifecycle took to complete:
1ms
1 D/SystemServerTiming( 736): StartLauncherAppsService took to complete: 1ms
1 D/SystemServerTiming( 736): StartCrossProfileAppsService took to complete:
0ms
1 D/SystemServerTiming( 736): StartMediaProjectionManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartSliceManagerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartCameraServiceProxy took to complete: 1ms
1 D/SystemServerTiming( 736): StartStatsCompanionService took to complete: 1ms
1 D/SystemServerTiming( 736): StartJitCompilation took to complete: 0ms
1 D/SystemServerTiming( 736): StartMmsService took to complete: 1ms
1 D/SystemServerTiming( 736): StartAutoFillService took to complete: 1ms
1 D/SystemServerTiming( 736): MakeVibratorServiceReady took to complete: 0ms
1 D/ZygoteInitTiming_lazy( 346): PreloadClasses took to complete: 397ms
1 D/SystemServerTiming( 736): MakeLockSettingsServiceReady took to complete:
15ms
1 D/SystemServerTiming( 736): StartBootPhaseLockSettingsReady took to complete:
7ms
1 D/ZygoteInitTiming_lazy( 346): PreloadResources took to complete: 48ms
1 D/SystemServerTimingAsync( 736): SecondaryZygotePreload took to complete:
606ms
1 D/SystemServerTimingAsync( 736): AppDataFixup took to complete: 1158ms
1 D/SystemServerTiming( 736): StartBootPhaseSystemServicesReady took to
complete: 908ms
```

```
1 D/SystemServerTiming( 736): MakeWindowManagerServiceReady took to complete:
2ms
1 D/SystemServerTiming( 736): MakePowerManagerServiceReady took to complete:
9ms
1 D/SystemServerTiming( 736): MakePackageManagerServiceReady took to complete:
38ms
1 D/SystemServerTiming( 736): MakeDisplayManagerServiceReady took to complete:
0ms
1 D/SystemServerTiming( 736): StartDeviceSpecificServices took to complete: 0ms
1 D/SystemServerTiming( 736): StartBootPhaseDeviceSpecificServicesReady took to
complete: 0ms
1 D/SystemServerTimingAsync( 736): AppDataPrepare took to complete: 509ms
1 D/SystemServerTiming( 736): StartActivityManagerReadyPhase took to complete:
87ms
1 D/SystemServerTiming( 736): StartObservingNativeCrashes took to complete: 0ms
1 D/SystemServerTiming( 736): StartQnxHelperService took to complete: 1ms
1 D/SystemServerTiming( 736): StartCarServiceHelperService took to complete:
13ms
1 D/SystemServerTiming( 736): StartCoreManagerHelperService took to complete:
1ms
1 D/SystemServerTiming( 736): StartSystemUI took to complete: 1ms
1 D/SystemServerTimingAsync( 736): WebViewFactoryPreparation took to complete:
24ms
1 D/SystemServerTiming( 736): MakeNetworkManagementServiceReady took to
complete: 475ms
1 D/SystemServerTiming( 736): MakeIpSecServiceReady took to complete: 1ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.Dependency
took to complete: 3ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.util.NotificationChannels took to complete:
2ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.statusbar.CommandQueue$CommandQueueStart took
to complete: 0ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.keyguard.KeyguardViewMediator took to
complete: 33ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.recents.Recents took to complete: 46ms
1 D/VehicleHalTiming( 1130): VehicleHal.init took to complete: 110ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.volume.VolumeUI took to complete: 46ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.stackdivider.Divider took to complete: 103ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.SystemBars
took to complete: 2ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.usb.StorageNotification took to complete: 17ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.power.PowerUI
took to complete: 5ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.media.RingtonePlayer took to complete: 2ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.keyboard.KeyboardUI took to complete: 2ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.pip.PipUI took
to complete: 13ms
```

```
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.shortcut.ShortcutKeyDispatcher took to
complete: 2ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.VendorServices
took to complete: 0ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.util.leak.GarbageMonitor$Service took to
complete: 1ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.LatencyTester
took to complete: 12ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.globalactions.GlobalActionsComponent took to
complete: 2ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.ScreenDecorations took to complete: 1ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.fingerprint.FingerprintDialogImpl took to
complete: 0ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.SliceBroadcastRelayHandler took to complete:
1ms
1 D/SystemUIBootTiming( 1154): StartServices took to complete: 294ms
1 D/VehicleHalTiming( 1130): CarService.initAllServices took to complete: 335ms
1 D/SystemServerTiming( 736): MakeNetworkStatsServiceReady took to complete:
1088ms
1 D/SystemServerTiming( 736): MakeConnectivityServiceReady took to complete:
11ms
1 D/SystemServerTiming( 736): MakeNetworkPolicyServiceReady took to complete:
0ms
1 D/SystemServerTiming( 736): StartWatchdog took to complete: 0ms
1 D/SystemServerTiming( 736): PhaseThirdPartyAppsCanStart took to complete:
29ms
1 D/SystemServerTiming( 736): MakeLocationServiceReady took to complete: 8ms
1 D/SystemServerTiming( 736): MakeCountryDetectionServiceReady took to
complete: 0ms
1 D/SystemServerTiming( 736): MakeNetworkTimeUpdateReady took to complete: 1ms
1 D/SystemServerTiming( 736): MakeCommonTimeManagementServiceReady took to
complete: 0ms
1 D/SystemServerTiming( 736): MakeInputManagerServiceReady took to complete:
1ms
1 D/SystemServerTiming( 736): MakeTelephonyRegistryReady took to complete: 0ms
1 D/SystemServerTiming( 736): MakeMediaRouterServiceReady took to complete: 0ms
1 D/SystemServerTiming( 736): MakeMmsServiceReady took to complete: 0ms
1 D/SystemServerTiming( 736): IncidentDaemonReady took to complete: 1ms
1 D/SystemServerTiming( 736): ActivityManagerStartApps took to complete: 59ms
1 D/SystemServerTiming( 736): PhaseActivityManagerReady took to complete:
1784ms
1 D/SystemServerTiming( 736): StartServices took to complete: 4794ms
1 D/Zygote32Timing( 346): PostZygoteInitGC took to complete: 8ms
1 D/Zygote32Timing( 346): ZygoteInit took to complete: 8ms
1 D/Zygote64Timing( 345): BeginIcuCachePinning took to complete: 49ms
1 D/Zygote64Timing( 345): PreloadClasses took to complete: 530ms
1 D/Zygote64Timing( 345): PreloadResources took to complete: 80ms
1 D/Zygote64Timing( 345): ZygotePreload took to complete: 704ms
1 D/Zygote64Timing( 345): PostZygoteInitGC took to complete: 20ms
1 D/Zygote64Timing( 345): ZygoteInit took to complete: 725ms
1 D/SystemServerTiming( 736): InitBeforeStartServices took to complete: 192ms
1 D/SystemServerTiming( 736): ReadingSystemConfig took to complete: 0ms
```

```
1 D/SystemServerTiming( 736): StartInstaller took to complete: 10ms
1 D/SystemServerTiming( 736): DeviceIdentifiersPolicyService took to complete:
1ms
1 D/SystemServerTiming( 736): StartActivityManager took to complete: 110ms
1 D/SystemServerTiming( 736): StartPowerManager took to complete: 14ms
1 D/SystemServerTiming( 736): InitPowerManagement took to complete: 2ms
1 D/SystemServerTiming( 736): StartRecoverySystemService took to complete: 2ms
1 D/SystemServerTiming( 736): StartLightsService took to complete: 0ms
1 D/SystemServerTiming( 736): StartSidekickService took to complete: 0ms
1 D/SystemServerTiming( 736): StartDisplayManager took to complete: 2ms
1 D/SystemServerTiming( 736): WaitForDisplay took to complete: 16ms
1 D/Zygote32Timing( 346): PostZygoteInitGC took to complete: 8ms
1 D/Zygote32Timing( 346): ZygoteInit took to complete: 8ms
1 D/Zygote64Timing( 345): BeginIcuCachePinning took to complete: 49ms
1 D/Zygote64Timing( 345): PreloadClasses took to complete: 530ms
1 D/Zygote64Timing( 345): PreloadResources took to complete: 80ms
1 D/Zygote64Timing( 345): ZygotePreload took to complete: 704ms
1 D/Zygote64Timing( 345): PostZygoteInitGC took to complete: 20ms
1 D/Zygote64Timing( 345): ZygoteInit took to complete: 725ms
1 D/SystemServerTiming( 736): InitBeforeStartServices took to complete: 192ms
1 D/SystemServerTiming( 736): ReadingSystemConfig took to complete: 0ms
1 D/SystemServerTiming( 736): StartInstaller took to complete: 10ms
1 D/SystemServerTiming( 736): DeviceIdentifiersPolicyService took to complete:
1ms
1 D/SystemServerTiming( 736): StartActivityManager took to complete: 110ms
1 D/SystemServerTiming( 736): StartPowerManager took to complete: 14ms
1 D/SystemServerTiming( 736): InitPowerManagement took to complete: 2ms
1 D/SystemServerTiming( 736): StartRecoverySystemService took to complete: 2ms
1 D/SystemServerTiming( 736): StartLightsService took to complete: 0ms
1 D/SystemServerTiming( 736): StartSidekickService took to complete: 0ms
1 D/SystemServerTiming( 736): StartDisplayManager took to complete: 2ms
1 D/SystemServerTiming( 736): WaitForDisplay took to complete: 16ms
1 D/SystemServerTiming( 736): StartPackageManagerService took to complete:
1371ms
1 D/SystemServerTiming( 736): StartOtaDexOptService took to complete: 0ms
1 D/SystemServerTiming( 736): StartUserManagerService took to complete: 0ms
1 D/SystemServerTiming( 736): InitAttributerCache took to complete: 0ms
1 D/SystemServerTiming( 736): SetSystemProcess took to complete: 4ms
1 D/SystemServerTiming( 736): StartOverlayManagerService took to complete: 1ms
1 D/SystemServerTimingAsync( 736): StartSensorService took to complete: 7ms
1 D/SystemServerTiming( 736): StartBatteryService took to complete: 9ms
1 D/SystemServerTiming( 736): StartUsageService took to complete: 20ms
1 D/SystemServerTiming( 736): StartWebViewUpdateService took to complete: 0ms
1 D/SystemServerTiming( 736): StartBinderCallsStatsService took to complete:
0ms
1 D/SystemServerTiming( 736): StartKeyAttestationApplicationIdProviderService
took to complete: 0ms
1 D/SystemServerTiming( 736): StartKeyChainSystemService took to complete: 1ms
1 D/SystemServerTiming( 736): StartSchedulingPolicyService took to complete:
0ms
1 D/SystemServerTiming( 736): StartTelecomLoaderService took to complete: 0ms
1 D/SystemServerTiming( 736): StartTelephonyRegistry took to complete: 1ms
1 D/SystemServerTiming( 736): StartEntropyMixer took to complete: 23ms
1 D/SystemServerTiming( 736): StartAccountManagerService took to complete: 3ms
1 D/SystemServerTiming( 736): StartContentService took to complete: 8ms
1 D/ZygoteInitTiming_lazy( 346): BeginIcuCachePinning took to complete: 14ms
1 D/SystemServerTiming( 736): InstallSystemProviders took to complete: 84ms
1 D/SystemServerTiming( 736): StartDropBoxManager took to complete: 0ms
```

```
 1 D/SystemServerTiming( 736): StartVibratorService took to complete: 2ms
 1 D/SystemServerTiming( 736): StartConsumerIrService took to complete: 0ms
 1 D/SystemServerTiming( 736): StartAlarmManagerService took to complete: 3ms
 1 D/SystemServerTiming( 736): InitWatchdog took to complete: 0ms
 1 D/SystemServerTiming( 736): StartInputManagerService took to complete: 2ms
 1 D/SystemServerTiming( 736): StartWindowManagerService took to complete: 19ms
 1 D/SystemServerTiming( 736): SetWindowManagerService took to complete: 38ms
 1 D/SystemServerTiming( 736): WindowManagerServiceOnInitReady took to complete:
14ms
 1 D/SystemServerTiming( 736): StartVrManagerService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartInputManager took to complete: 1ms
 1 D/SystemServerTimingAsync( 736): StartHidlServices took to complete: 2ms
 1 D/SystemServerTiming( 736): DisplayManagerWindowManagerAndInputReady took to
complete: 0ms
 1 D/SystemServerTiming( 736): StartBluetoothService took to complete: 0ms
 1 D/SystemServerTiming( 736): IpConnectivityMetrics took to complete: 1ms
 1 D/SystemServerTiming( 736): NetworkWatchlistService took to complete: 5ms
 1 D/SystemServerTiming( 736): PinnerService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartInputMethodManagerLifecycle took to
complete: 6ms
 1 D/SystemServerTiming( 736): StartAccessibilityManagerService took to
complete: 2ms
 1 D/SystemServerTiming( 736): MakeDisplayReady took to complete: 17ms
 1 D/SystemServerTiming( 736): StartStorageManagerService took to complete: 3ms
 1 D/SystemServerTiming( 736): StartStorageStatsService took to complete: 2ms
 1 D/SystemServerTiming( 736): StartUiModeManager took to complete: 1ms
 1 D/SystemServerTiming( 736): UpdatePackagesIfNeeded took to complete: 0ms
 1 D/SystemServerTiming( 736): PerformFstrimIfNeeded took to complete: 0ms
 1 D/SystemServerTiming( 736): StartLockSettingsService took to complete: 4ms
 1 D/SystemServerTiming( 736): StartPersistentDataBlock took to complete: 0ms
 1 D/SystemServerTiming( 736): StartOemLockService took to complete: 2ms
 1 D/SystemServerTiming( 736): StartDeviceIdleController took to complete: 1ms
 1 D/SystemServerTiming( 736): StartDevicePolicyManager took to complete: 2ms
 1 D/SystemServerTiming( 736): StartStatusBarManagerService took to complete:
0ms
 1 D/SystemServerTiming( 736): StartClipboardService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartNetworkManagementService took to complete:
1ms
 1 D/SystemServerTiming( 736): StartIpSecService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartTextServicesManager took to complete: 0ms
 1 D/SystemServerTiming( 736): StartTextClassificationManagerService took to
complete: 1ms
 1 D/SystemServerTiming( 736): StartNetworkScoreService took to complete: 0ms
 1 D/SystemServerTiming( 736): StartNetworkStatsService took to complete: 5ms
 1 D/SystemServerTiming( 736): StartNetworkPolicyManagerService took to
complete: 1ms
 1 D/SystemServerTiming( 736): StartWifi took to complete: 76ms
 1 D/SystemServerTiming( 736): StartWifiScanning took to complete: 3ms
 1 D/SystemServerTiming( 736): StartRttService took to complete: 3ms
 1 D/SystemServerTiming( 736): StartWifiP2P took to complete: 3ms
 1 D/SystemServerTiming( 736): StartEthernet took to complete: 0ms
 1 D/SystemServerTiming( 736): StartConnectivityService took to complete: 6ms
 1 D/SystemServerTiming( 736): StartNsdService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartSystemUpdateManagerService took to complete:
1ms
 1 D/SystemServerTiming( 736): StartUpdateLockService took to complete: 0ms
 1 D/SystemServerTiming( 736): StartNotificationManager took to complete: 12ms
 1 D/SystemServerTiming( 736): StartDeviceMonitor took to complete: 1ms
```

```
  1 D/SystemServerTiming( 736): StartLocationManagerService took to complete: 0ms
  1 D/Zygote32Timing( 346): PostZygoteInitGC took to complete: 8ms
  1 D/Zygote32Timing( 346): ZygoteInit took to complete: 8ms
  1 D/Zygote64Timing( 345): BeginIcuCachePinning took to complete: 49ms
  1 D/Zygote64Timing( 345): PreloadClasses took to complete: 530ms
  1 D/Zygote64Timing( 345): PreloadResources took to complete: 80ms
  1 D/Zygote64Timing( 345): ZygotePreload took to complete: 704ms
  1 D/Zygote64Timing( 345): PostZygoteInitGC took to complete: 20ms
  1 D/Zygote64Timing( 345): ZygoteInit took to complete: 725ms
  1 D/SystemServerTiming( 736): InitBeforeStartServices took to complete: 192ms
  1 D/SystemServerTiming( 736): ReadingSystemConfig took to complete: 0ms
  1 D/SystemServerTiming( 736): StartInstaller took to complete: 10ms
  1 D/SystemServerTiming( 736): DeviceIdentifiersPolicyService took to complete:
1ms
  1 D/SystemServerTiming( 736): StartActivityManager took to complete: 110ms
  1 D/SystemServerTiming( 736): StartPowerManager took to complete: 14ms
  1 D/SystemServerTiming( 736): InitPowerManagement took to complete: 2ms
  1 D/SystemServerTiming( 736): StartRecoverySystemService took to complete: 2ms
  1 D/SystemServerTiming( 736): StartLightsService took to complete: 0ms
  1 D/SystemServerTiming( 736): StartSidekickService took to complete: 0ms
  1 D/SystemServerTiming( 736): StartDisplayManager took to complete: 2ms
  1 D/SystemServerTiming( 736): WaitForDisplay took to complete: 16ms
  1 D/SystemServerTiming( 736): StartPackageManagerService took to complete:
1371ms
  1 D/SystemServerTiming( 736): StartOtaDexOptService took to complete: 0ms
  1 D/SystemServerTiming( 736): StartUserManagerService took to complete: 0ms
  1 D/SystemServerTiming( 736): InitAttributerCache took to complete: 0ms
  1 D/SystemServerTiming( 736): SetSystemProcess took to complete: 4ms
  1 D/SystemServerTiming( 736): StartOverlayManagerService took to complete: 1ms
  1 D/SystemServerTimingAsync( 736): StartSensorService took to complete: 7ms
  1 D/SystemServerTiming( 736): StartBatteryService took to complete: 9ms
  1 D/SystemServerTiming( 736): StartUsageService took to complete: 20ms
  1 D/SystemServerTiming( 736): StartWebViewUpdateService took to complete: 0ms
  1 D/SystemServerTiming( 736): StartBinderCallsStatsService took to complete:
0ms
  1 D/SystemServerTiming( 736): StartKeyAttestationApplicationIdProviderService
took to complete: 0ms
  1 D/SystemServerTiming( 736): StartKeyChainSystemService took to complete: 1ms
  1 D/SystemServerTiming( 736): StartSchedulingPolicyService took to complete:
0ms
  1 D/SystemServerTiming( 736): StartTelecomLoaderService took to complete: 0ms
  1 D/SystemServerTiming( 736): StartTelephonyRegistry took to complete: 1ms
  1 D/SystemServerTiming( 736): StartEntropyMixer took to complete: 23ms
  1 D/SystemServerTiming( 736): StartAccountManagerService took to complete: 3ms
  1 D/SystemServerTiming( 736): StartContentService took to complete: 8ms
  1 D/ZygoteInitTiming_lazy( 346): BeginIcuCachePinning took to complete: 14ms
  1 D/SystemServerTiming( 736): InstallSystemProviders took to complete: 84ms
  1 D/SystemServerTiming( 736): StartDropBoxManager took to complete: 0ms
  1 D/SystemServerTiming( 736): StartVibratorService took to complete: 2ms
  1 D/SystemServerTiming( 736): StartConsumerIrService took to complete: 0ms
  1 D/SystemServerTiming( 736): StartAlarmManagerService took to complete: 3ms
  1 D/SystemServerTiming( 736): InitWatchdog took to complete: 0ms
  1 D/SystemServerTiming( 736): StartInputManagerService took to complete: 2ms
  1 D/SystemServerTiming( 736): StartWindowManagerService took to complete: 19ms
  1 D/SystemServerTiming( 736): SetWindowManagerService took to complete: 38ms
  1 D/SystemServerTiming( 736): WindowManagerServiceOnInitReady took to complete:
14ms
  1 D/SystemServerTiming( 736): StartVrManagerService took to complete: 1ms
```

```
1 D/SystemServerTiming( 736): StartInputManager took to complete: 1ms
1 D/SystemServerTimingAsync( 736): StartHidlServices took to complete: 2ms
1 D/SystemServerTiming( 736): DisplayManagerWindowManagerAndInputReady took to
complete: 0ms
1 D/SystemServerTiming( 736): StartBluetoothService took to complete: 0ms
1 D/SystemServerTiming( 736): IpConnectivityMetrics took to complete: 1ms
1 D/SystemServerTiming( 736): NetworkWatchlistService took to complete: 5ms
1 D/SystemServerTiming( 736): PinnerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartInputMethodManagerLifecycle took to
complete: 6ms
1 D/SystemServerTiming( 736): StartAccessibilityManagerService took to
complete: 2ms
1 D/SystemServerTiming( 736): MakeDisplayReady took to complete: 17ms
1 D/SystemServerTiming( 736): StartStorageManagerService took to complete: 3ms
1 D/SystemServerTiming( 736): StartStorageStatsService took to complete: 2ms
1 D/SystemServerTiming( 736): StartUiModeManager took to complete: 1ms
1 D/SystemServerTiming( 736): UpdatePackagesIfNeeded took to complete: 0ms
1 D/SystemServerTiming( 736): PerformFstrimIfNeeded took to complete: 0ms
1 D/SystemServerTiming( 736): StartLockSettingsService took to complete: 4ms
1 D/SystemServerTiming( 736): StartPersistentDataBlock took to complete: 0ms
1 D/SystemServerTiming( 736): StartOemLockService took to complete: 2ms
1 D/SystemServerTiming( 736): StartDeviceIdleController took to complete: 1ms
1 D/SystemServerTiming( 736): StartDevicePolicyManager took to complete: 2ms
1 D/SystemServerTiming( 736): StartStatusBarManagerService took to complete:
0ms
1 D/SystemServerTiming( 736): StartClipboardService took to complete: 1ms
1 D/SystemServerTiming( 736): StartNetworkManagementService took to complete:
1ms
1 D/SystemServerTiming( 736): StartIpSecService took to complete: 1ms
1 D/SystemServerTiming( 736): StartTextServicesManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartTextClassificationManagerService took to
complete: 1ms
1 D/SystemServerTiming( 736): StartNetworkScoreService took to complete: 0ms
1 D/SystemServerTiming( 736): StartNetworkStatsService took to complete: 5ms
1 D/SystemServerTiming( 736): StartNetworkPolicyManagerService took to
complete: 1ms
1 D/SystemServerTiming( 736): StartWifi took to complete: 76ms
1 D/SystemServerTiming( 736): StartWifiScanning took to complete: 3ms
1 D/SystemServerTiming( 736): StartRttService took to complete: 3ms
1 D/SystemServerTiming( 736): StartWifiP2P took to complete: 3ms
1 D/SystemServerTiming( 736): StartEthernet took to complete: 0ms
1 D/SystemServerTiming( 736): StartConnectivityService took to complete: 6ms
1 D/SystemServerTiming( 736): StartNsdService took to complete: 1ms
1 D/SystemServerTiming( 736): StartSystemUpdateManagerService took to complete:
1ms
1 D/SystemServerTiming( 736): StartUpdateLockService took to complete: 0ms
1 D/SystemServerTiming( 736): StartNotificationManager took to complete: 12ms
1 D/SystemServerTiming( 736): StartDeviceMonitor took to complete: 1ms
1 D/SystemServerTiming( 736): StartLocationManagerService took to complete: 0ms
1 D/SystemServerTiming( 736): StartCountryDetectorService took to complete: 0ms
1 D/SystemServerTiming( 736): StartSearchManagerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartWallpaperManagerService took to complete:
1ms
1 D/SystemServerTiming( 736): StartAudioService took to complete: 19ms
1 D/SystemServerTiming( 736): StartBroadcastRadioService took to complete: 5ms
1 D/SystemServerTiming( 736): StartDockObserver took to complete: 1ms
1 D/SystemServerTiming( 736): StartWiredAccessoryManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartMidiManager took to complete: 1ms
```

```
1 D/SystemServerTiming( 736): StartUsbService took to complete: 15ms
1 D/SystemServerTiming( 736): StartSerialService took to complete: 0ms
1 D/SystemServerTiming( 736): StartHardwarePropertiesManagerService took to
complete: 2ms
1 D/SystemServerTiming( 736): StartTwilightService took to complete: 1ms
1 D/SystemServerTiming( 736): StartNightDisplay took to complete: 0ms
1 D/SystemServerTiming( 736): StartJobScheduler took to complete: 5ms
1 D/SystemServerTiming( 736): StartSoundTrigger took to complete: 0ms
1 D/SystemServerTiming( 736): StartTrustManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartBackupManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartAppWidgerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartVoiceRecognitionManager took to complete:
0ms
1 D/SystemServerTiming( 736): StartGestureLauncher took to complete: 0ms
1 D/SystemServerTiming( 736): StartSensorNotification took to complete: 0ms
1 D/SystemServerTiming( 736): StartContextHubSystemService took to complete:
1ms
1 D/SystemServerTiming( 736): StartDiskStatsService took to complete: 1ms
1 D/SystemServerTiming( 736): StartNetworkTimeUpdateService took to complete:
5ms
1 D/SystemServerTiming( 736): StartCommonTimeManagementService took to
complete: 1ms
1 D/SystemServerTiming( 736): CertBlacklister took to complete: 0ms
1 D/SystemServerTiming( 736): StartEmergencyAffordanceService took to complete:
0ms
1 D/SystemServerTiming( 736): StartDreamManager took to complete: 1ms
1 D/SystemServerTiming( 736): AddGraphicsStatsService took to complete: 2ms
1 D/SystemServerTiming( 736): StartPrintManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartCompanionDeviceManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartRestrictionManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartMediaSessionService took to complete: 1ms
1 D/SystemServerTiming( 736): StartMediaUpdateService took to complete: 0ms
1 D/SystemServerTiming( 736): StartMediaResourceMonitor took to complete: 0ms
1 D/SystemServerTiming( 736): StartMediaRouterService took to complete: 1ms
1 D/SystemServerTiming( 736): StartBackgroundDexOptService took to complete:
0ms
1 D/SystemServerTiming( 736): StartPruneInstantAppsJobService took to complete:
2ms
1 D/SystemServerTiming( 736): StartShortcutServiceLifecycle took to complete:
1ms
1 D/SystemServerTiming( 736): StartLauncherAppsService took to complete: 1ms
1 D/SystemServerTiming( 736): StartCrossProfileAppsService took to complete:
0ms
1 D/SystemServerTiming( 736): StartMediaProjectionManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartSliceManagerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartCameraServiceProxy took to complete: 1ms
1 D/SystemServerTiming( 736): StartStatsCompanionService took to complete: 1ms
1 D/SystemServerTiming( 736): StartJitCompilation took to complete: 0ms
1 D/SystemServerTiming( 736): StartMmsService took to complete: 1ms
1 D/SystemServerTiming( 736): StartAutoFillService took to complete: 1ms
1 D/SystemServerTiming( 736): MakeVibratorServiceReady took to complete: 0ms
1 D/ZygoteInitTiming_lazy( 346): PreloadClasses took to complete: 397ms
1 D/SystemServerTiming( 736): MakeLockSettingsServiceReady took to complete:
15ms
1 D/SystemServerTiming( 736): StartBootPhaseLockSettingsReady took to complete:
7ms
1 D/ZygoteInitTiming_lazy( 346): PreloadResources took to complete: 48ms
```

```
1 D/SystemServerTimingAsync( 736): SecondaryZygotePreload took to complete:
606ms
1 D/SystemServerTimingAsync( 736): AppDataFixup took to complete: 1158ms
1 D/SystemServerTiming( 736): StartBootPhaseSystemServicesReady took to
complete: 908ms
1 D/SystemServerTiming( 736): MakeWindowManagerServiceReady took to complete:
2ms
1 D/SystemServerTiming( 736): MakePowerManagerServiceReady took to complete:
9ms
1 D/SystemServerTiming( 736): MakePackageManagerServiceReady took to complete:
38ms
1 D/SystemServerTiming( 736): MakeDisplayManagerServiceReady took to complete:
0ms
1 D/SystemServerTiming( 736): StartDeviceSpecificServices took to complete: 0ms
1 D/SystemServerTiming( 736): StartBootPhaseDeviceSpecificServicesReady took to
complete: 0ms
1 D/SystemServerTimingAsync( 736): AppDataPrepare took to complete: 509ms
1 D/SystemServerTiming( 736): StartActivityManagerReadyPhase took to complete:
87ms
1 D/SystemServerTiming( 736): StartObservingNativeCrashes took to complete: 0ms
1 D/SystemServerTiming( 736): StartQnxHelperService took to complete: 1ms
1 D/SystemServerTiming( 736): StartCarServiceHelperService took to complete:
13ms
1 D/SystemServerTiming( 736): StartCoreManagerHelperService took to complete:
1ms
1 D/SystemServerTiming( 736): StartSystemUI took to complete: 1ms
1 D/SystemServerTimingAsync( 736): WebViewFactoryPreparation took to complete:
24ms
1 D/SystemServerTiming( 736): MakeNetworkManagementServiceReady took to
complete: 475ms
1 D/SystemServerTiming( 736): MakeIpSecServiceReady took to complete: 1ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.Dependency
took to complete: 3ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.util.NotificationChannels took to complete:
2ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.statusbar.CommandQueue$CommandQueueStart took
to complete: 0ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.keyguard.KeyguardViewMediator took to
complete: 33ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.recents.Recents took to complete: 46ms
1 D/VehicleHalTiming( 1130): VehicleHal.init took to complete: 110ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.volume.VolumeUI took to complete: 46ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.stackdivider.Divider took to complete: 103ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.SystemBars
took to complete: 2ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.usb.StorageNotification took to complete: 17ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.power.PowerUI
took to complete: 5ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.media.RingtonePlayer took to complete: 2ms
```

```
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.keyboard.KeyboardUI took to complete: 2ms
 1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.pip.PipUI took
to complete: 13ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.shortcut.ShortcutKeyDispatcher took to
complete: 2ms
 1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.VendorServices
took to complete: 0ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.util.leak.GarbageMonitor$Service took to
complete: 1ms
 1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.LatencyTester
took to complete: 12ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.globalactions.GlobalActionsComponent took to
complete: 2ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.ScreenDecorations took to complete: 1ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.fingerprint.FingerprintDialogImpl took to
complete: 0ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.SliceBroadcastRelayHandler took to complete:
1ms
 1 D/SystemUIBootTiming( 1154): StartServices took to complete: 294ms
 1 D/VehicleHalTiming( 1130): CarService.initAllServices took to complete: 335ms
 1 D/SystemServerTiming( 736): MakeNetworkStatsServiceReady took to complete:
1088ms
 1 D/SystemServerTiming( 736): MakeConnectivityServiceReady took to complete:
11ms
 1 D/SystemServerTiming( 736): MakeNetworkPolicyServiceReady took to complete:
0ms
 1 D/SystemServerTiming( 736): StartWatchdog took to complete: 0ms
 1 D/SystemServerTiming( 736): PhaseThirdPartyAppsCanStart took to complete:
29ms
 1 D/SystemServerTiming( 736): MakeLocationServiceReady took to complete: 8ms
 1 D/SystemServerTiming( 736): MakeCountryDetectionServiceReady took to
complete: 0ms
 1 D/SystemServerTiming( 736): MakeNetworkTimeUpdateReady took to complete: 1ms
 1 D/SystemServerTiming( 736): MakeCommonTimeManagementServiceReady took to
complete: 0ms
 1 D/SystemServerTiming( 736): MakeInputManagerServiceReady took to complete:
1ms
 1 D/SystemServerTiming( 736): MakeTelephonyRegistryReady took to complete: 0ms
 1 D/SystemServerTiming( 736): MakeMediaRouterServiceReady took to complete: 0ms
 1 D/SystemServerTiming( 736): MakeMmsServiceReady took to complete: 0ms
 1 D/SystemServerTiming( 736): IncidentDaemonReady took to complete: 1ms
 1 D/SystemServerTiming( 736): ActivityManagerStartApps took to complete: 59ms
 1 D/SystemServerTiming( 736): PhaseActivityManagerReady took to complete:
1784ms
 1 D/SystemServerTiming( 736): StartServices took to complete: 4794ms
 1 D/Zygote32Timing( 346): PostZygoteInitGC took to complete: 8ms
 1 D/Zygote32Timing( 346): ZygoteInit took to complete: 8ms
 1 D/Zygote64Timing( 345): BeginIcuCachePinning took to complete: 49ms
 1 D/Zygote64Timing( 345): PreloadClasses took to complete: 530ms
 1 D/Zygote64Timing( 345): PreloadResources took to complete: 80ms
 1 D/Zygote64Timing( 345): ZygotePreload took to complete: 704ms
```

```
1 D/Zygote64Timing( 345): PostZygoteInitGC took to complete: 20ms
1 D/Zygote64Timing( 345): ZygoteInit took to complete: 725ms
1 D/SystemServerTiming( 736): InitBeforeStartServices took to complete: 192ms
1 D/SystemServerTiming( 736): ReadingSystemConfig took to complete: 0ms
1 D/SystemServerTiming( 736): StartInstaller took to complete: 10ms
1 D/SystemServerTiming( 736): DeviceIdentifiersPolicyService took to complete:
1ms
1 D/SystemServerTiming( 736): StartActivityManager took to complete: 110ms
1 D/SystemServerTiming( 736): StartPowerManager took to complete: 14ms
1 D/SystemServerTiming( 736): InitPowerManagement took to complete: 2ms
1 D/SystemServerTiming( 736): StartRecoverySystemService took to complete: 2ms
1 D/SystemServerTiming( 736): StartLightsService took to complete: 0ms
1 D/SystemServerTiming( 736): StartSidekickService took to complete: 0ms
1 D/SystemServerTiming( 736): StartDisplayManager took to complete: 2ms
1 D/SystemServerTiming( 736): WaitForDisplay took to complete: 16ms
1 D/SystemServerTiming( 736): StartPackageManagerService took to complete:
1371ms
1 D/SystemServerTiming( 736): StartOtaDexOptService took to complete: 0ms
1 D/SystemServerTiming( 736): StartUserManagerService took to complete: 0ms
1 D/SystemServerTiming( 736): InitAttributerCache took to complete: 0ms
1 D/SystemServerTiming( 736): SetSystemProcess took to complete: 4ms
1 D/SystemServerTiming( 736): StartOverlayManagerService took to complete: 1ms
1 D/SystemServerTimingAsync( 736): StartSensorService took to complete: 7ms
1 D/SystemServerTiming( 736): StartBatteryService took to complete: 9ms
1 D/SystemServerTiming( 736): StartUsageService took to complete: 20ms
1 D/SystemServerTiming( 736): StartWebViewUpdateService took to complete: 0ms
1 D/SystemServerTiming( 736): StartBinderCallsStatsService took to complete:
0ms
1 D/SystemServerTiming( 736): StartKeyAttestationApplicationIdProviderService
took to complete: 0ms
1 D/SystemServerTiming( 736): StartKeyChainSystemService took to complete: 1ms
1 D/SystemServerTiming( 736): StartSchedulingPolicyService took to complete:
0ms
1 D/SystemServerTiming( 736): StartTelecomLoaderService took to complete: 0ms
1 D/SystemServerTiming( 736): StartTelephonyRegistry took to complete: 1ms
1 D/SystemServerTiming( 736): StartEntropyMixer took to complete: 23ms
1 D/SystemServerTiming( 736): StartAccountManagerService took to complete: 3ms
1 D/SystemServerTiming( 736): StartContentService took to complete: 8ms
1 D/ZygoteInitTiming_lazy( 346): BeginIcuCachePinning took to complete: 14ms
1 D/SystemServerTiming( 736): InstallSystemProviders took to complete: 84ms
1 D/SystemServerTiming( 736): StartDropBoxManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartVibratorService took to complete: 2ms
1 D/SystemServerTiming( 736): StartConsumerIrService took to complete: 0ms
1 D/SystemServerTiming( 736): StartAlarmManagerService took to complete: 3ms
1 D/SystemServerTiming( 736): InitWatchdog took to complete: 0ms
1 D/SystemServerTiming( 736): StartInputManagerService took to complete: 2ms
1 D/SystemServerTiming( 736): StartWindowManagerService took to complete: 19ms
1 D/SystemServerTiming( 736): SetWindowManagerService took to complete: 38ms
1 D/SystemServerTiming( 736): WindowManagerServiceOnInitReady took to complete:
14ms
1 D/SystemServerTiming( 736): StartVrManagerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartInputManager took to complete: 1ms
1 D/SystemServerTimingAsync( 736): StartHidlServices took to complete: 2ms
1 D/SystemServerTiming( 736): DisplayManagerWindowManagerAndInputReady took to
complete: 0ms
1 D/SystemServerTiming( 736): StartBluetoothService took to complete: 0ms
1 D/SystemServerTiming( 736): IpConnectivityMetrics took to complete: 1ms
1 D/SystemServerTiming( 736): NetworkWatchlistService took to complete: 5ms
```

```
1 D/SystemServerTiming( 736): PinnerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartInputMethodManagerLifecycle took to
complete: 6ms
1 D/SystemServerTiming( 736): StartAccessibilityManagerService took to
complete: 2ms
1 D/SystemServerTiming( 736): MakeDisplayReady took to complete: 17ms
1 D/SystemServerTiming( 736): StartStorageManagerService took to complete: 3ms
1 D/SystemServerTiming( 736): StartStorageStatsService took to complete: 2ms
1 D/SystemServerTiming( 736): StartUiModeManager took to complete: 1ms
1 D/SystemServerTiming( 736): UpdatePackagesIfNeeded took to complete: 0ms
1 D/SystemServerTiming( 736): PerformFstrimIfNeeded took to complete: 0ms
1 D/SystemServerTiming( 736): StartLockSettingsService took to complete: 4ms
1 D/SystemServerTiming( 736): StartPersistentDataBlock took to complete: 0ms
1 D/SystemServerTiming( 736): StartOemLockService took to complete: 2ms
1 D/SystemServerTiming( 736): StartDeviceIdleController took to complete: 1ms
1 D/SystemServerTiming( 736): StartDevicePolicyManager took to complete: 2ms
1 D/SystemServerTiming( 736): StartStatusBarManagerService took to complete:
0ms
1 D/SystemServerTiming( 736): StartClipboardService took to complete: 1ms
1 D/SystemServerTiming( 736): StartNetworkManagementService took to complete:
1ms
1 D/SystemServerTiming( 736): StartIpSecService took to complete: 1ms
1 D/SystemServerTiming( 736): StartTextServicesManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartTextClassificationManagerService took to
complete: 1ms
1 D/SystemServerTiming( 736): StartNetworkScoreService took to complete: 0ms
1 D/SystemServerTiming( 736): StartNetworkStatsService took to complete: 5ms
1 D/SystemServerTiming( 736): StartNetworkPolicyManagerService took to
complete: 1ms
1 D/SystemServerTiming( 736): StartWifi took to complete: 76ms
1 D/SystemServerTiming( 736): StartWifiScanning took to complete: 3ms
1 D/SystemServerTiming( 736): StartRttService took to complete: 3ms
1 D/SystemServerTiming( 736): StartWifiP2P took to complete: 3ms
1 D/SystemServerTiming( 736): StartEthernet took to complete: 0ms
1 D/SystemServerTiming( 736): StartConnectivityService took to complete: 6ms
1 D/SystemServerTiming( 736): StartNsdService took to complete: 1ms
1 D/SystemServerTiming( 736): StartSystemUpdateManagerService took to complete:
1ms
1 D/SystemServerTiming( 736): StartUpdateLockService took to complete: 0ms
1 D/SystemServerTiming( 736): StartNotificationManager took to complete: 12ms
1 D/SystemServerTiming( 736): StartDeviceMonitor took to complete: 1ms
1 D/SystemServerTiming( 736): StartLocationManagerService took to complete: 0ms
1 D/SystemServerTiming( 736): StartCountryDetectorService took to complete: 0ms
1 D/SystemServerTiming( 736): StartSearchManagerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartWallpaperManagerService took to complete:
1ms
1 D/SystemServerTiming( 736): StartAudioService took to complete: 19ms
1 D/SystemServerTiming( 736): StartBroadcastRadioService took to complete: 5ms
1 D/SystemServerTiming( 736): StartDockObserver took to complete: 1ms
1 D/SystemServerTiming( 736): StartWiredAccessoryManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartMidiManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartUsbService took to complete: 15ms
1 D/SystemServerTiming( 736): StartSerialService took to complete: 0ms
1 D/SystemServerTiming( 736): StartHardwarePropertiesManagerService took to
complete: 2ms
1 D/SystemServerTiming( 736): StartTwilightService took to complete: 1ms
1 D/SystemServerTiming( 736): StartNightDisplay took to complete: 0ms
1 D/SystemServerTiming( 736): StartJobScheduler took to complete: 5ms
```

```
1 D/SystemServerTiming( 736): StartSoundTrigger took to complete: 0ms
1 D/SystemServerTiming( 736): StartTrustManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartBackupManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartAppWidgerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartVoiceRecognitionManager took to complete:
0ms
1 D/SystemServerTiming( 736): StartGestureLauncher took to complete: 0ms
1 D/SystemServerTiming( 736): StartSensorNotification took to complete: 0ms
1 D/SystemServerTiming( 736): StartContextHubSystemService took to complete:
1ms
1 D/SystemServerTiming( 736): StartDiskStatsService took to complete: 1ms
1 D/SystemServerTiming( 736): StartNetworkTimeUpdateService took to complete:
5ms
1 D/SystemServerTiming( 736): StartCommonTimeManagementService took to
complete: 1ms
1 D/SystemServerTiming( 736): CertBlacklister took to complete: 0ms
1 D/SystemServerTiming( 736): StartEmergencyAffordanceService took to complete:
0ms
1 D/SystemServerTiming( 736): StartDreamManager took to complete: 1ms
1 D/SystemServerTiming( 736): AddGraphicsStatsService took to complete: 2ms
1 D/SystemServerTiming( 736): StartPrintManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartCompanionDeviceManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartRestrictionManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartMediaSessionService took to complete: 1ms
1 D/SystemServerTiming( 736): StartMediaUpdateService took to complete: 0ms
1 D/SystemServerTiming( 736): StartMediaResourceMonitor took to complete: 0ms
1 D/SystemServerTiming( 736): StartMediaRouterService took to complete: 1ms
1 D/SystemServerTiming( 736): StartBackgroundDexOptService took to complete:
0ms
1 D/SystemServerTiming( 736): StartPruneInstantAppsJobService took to complete:
2ms
1 D/SystemServerTiming( 736): StartShortcutServiceLifecycle took to complete:
1ms
1 D/SystemServerTiming( 736): StartLauncherAppsService took to complete: 1ms
1 D/SystemServerTiming( 736): StartCrossProfileAppsService took to complete:
0ms
1 D/SystemServerTiming( 736): StartMediaProjectionManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartSliceManagerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartCameraServiceProxy took to complete: 1ms
1 D/SystemServerTiming( 736): StartStatsCompanionService took to complete: 1ms
1 D/SystemServerTiming( 736): StartJitCompilation took to complete: 0ms
1 D/SystemServerTiming( 736): StartMmsService took to complete: 1ms
1 D/SystemServerTiming( 736): StartAutoFillService took to complete: 1ms
1 D/SystemServerTiming( 736): MakeVibratorServiceReady took to complete: 0ms
1 D/ZygoteInitTiming_lazy( 346): PreloadClasses took to complete: 397ms
1 D/SystemServerTiming( 736): MakeLockSettingsServiceReady took to complete:
15ms
1 D/SystemServerTiming( 736): StartBootPhaseLockSettingsReady took to complete:
7ms
1 D/ZygoteInitTiming_lazy( 346): PreloadResources took to complete: 48ms
1 D/SystemServerTimingAsync( 736): SecondaryZygotePreload took to complete:
606ms
1 D/SystemServerTimingAsync( 736): AppDataFixup took to complete: 1158ms
1 D/SystemServerTiming( 736): StartBootPhaseSystemServicesReady took to
complete: 908ms
1 D/SystemServerTiming( 736): MakeWindowManagerServiceReady took to complete:
2ms
```

```
 1 D/SystemServerTiming( 736): MakePowerManagerServiceReady took to complete:
9ms
 1 D/SystemServerTiming( 736): MakePackageManagerServiceReady took to complete:
38ms
 1 D/SystemServerTiming( 736): MakeDisplayManagerServiceReady took to complete:
0ms
 1 D/SystemServerTiming( 736): StartDeviceSpecificServices took to complete: 0ms
 1 D/SystemServerTiming( 736): StartBootPhaseDeviceSpecificServicesReady took to
complete: 0ms
 1 D/SystemServerTimingAsync( 736): AppDataPrepare took to complete: 509ms
 1 D/SystemServerTiming( 736): StartActivityManagerReadyPhase took to complete:
87ms
 1 D/SystemServerTiming( 736): StartObservingNativeCrashes took to complete: 0ms
 1 D/SystemServerTiming( 736): StartQnxHelperService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartCarServiceHelperService took to complete:
13ms
 1 D/SystemServerTiming( 736): StartCoreManagerHelperService took to complete:
1ms
 1 D/SystemServerTiming( 736): StartSystemUI took to complete: 1ms
 1 D/SystemServerTimingAsync( 736): WebViewFactoryPreparation took to complete:
24ms
 1 D/SystemServerTiming( 736): MakeNetworkManagementServiceReady took to
complete: 475ms
 1 D/SystemServerTiming( 736): MakeIpSecServiceReady took to complete: 1ms
 1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.Dependency
took to complete: 3ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.util.NotificationChannels took to complete:
2ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.statusbar.CommandQueue$CommandQueueStart took
to complete: 0ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.keyguard.KeyguardViewMediator took to
complete: 33ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.recents.Recents took to complete: 46ms
 1 D/VehicleHalTiming( 1130): VehicleHal.init took to complete: 110ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.volume.VolumeUI took to complete: 46ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.stackdivider.Divider took to complete: 103ms
 1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.SystemBars
took to complete: 2ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.usb.StorageNotification took to complete: 17ms
 1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.power.PowerUI
took to complete: 5ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.media.RingtonePlayer took to complete: 2ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.keyboard.KeyboardUI took to complete: 2ms
 1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.pip.PipUI took
to complete: 13ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.shortcut.ShortcutKeyDispatcher took to
complete: 2ms
```

```
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.VendorServices
took to complete: 0ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.util.leak.GarbageMonitor$Service took to
complete: 1ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.LatencyTester
took to complete: 12ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.globalactions.GlobalActionsComponent took to
complete: 2ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.ScreenDecorations took to complete: 1ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.fingerprint.FingerprintDialogImpl took to
complete: 0ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.SliceBroadcastRelayHandler took to complete:
1ms
1 D/SystemUIBootTiming( 1154): StartServices took to complete: 294ms
1 D/VehicleHalTiming( 1130): CarService.initAllServices took to complete: 335ms
1 D/SystemServerTiming( 736): MakeNetworkStatsServiceReady took to complete:
1088ms
1 D/SystemServerTiming( 736): MakeConnectivityServiceReady took to complete:
11ms
1 D/SystemServerTiming( 736): MakeNetworkPolicyServiceReady took to complete:
0ms
1 D/SystemServerTiming( 736): StartWatchdog took to complete: 0ms
1 D/SystemServerTiming( 736): PhaseThirdPartyAppsCanStart took to complete:
29ms
1 D/SystemServerTiming( 736): MakeLocationServiceReady took to complete: 8ms
1 D/SystemServerTiming( 736): MakeCountryDetectionServiceReady took to
complete: 0ms
1 D/SystemServerTiming( 736): MakeNetworkTimeUpdateReady took to complete: 1ms
1 D/SystemServerTiming( 736): MakeCommonTimeManagementServiceReady took to
complete: 0ms
1 D/SystemServerTiming( 736): MakeInputManagerServiceReady took to complete:
1ms
1 D/SystemServerTiming( 736): MakeTelephonyRegistryReady took to complete: 0ms
1 D/SystemServerTiming( 736): MakeMediaRouterServiceReady took to complete: 0ms
1 D/SystemServerTiming( 736): MakeMmsServiceReady took to complete: 0ms
1 D/SystemServerTiming( 736): IncidentDaemonReady took to complete: 1ms
1 D/SystemServerTiming( 736): ActivityManagerStartApps took to complete: 59ms
1 D/SystemServerTiming( 736): PhaseActivityManagerReady took to complete:
1784ms
1 D/SystemServerTiming( 736): StartServices took to complete: 4794ms
1 D/Zygote32Timing( 346): PostZygoteInitGC took to complete: 8ms
1 D/Zygote32Timing( 346): ZygoteInit took to complete: 8ms
1 D/Zygote64Timing( 345): BeginIcuCachePinning took to complete: 49ms
1 D/Zygote64Timing( 345): PreloadClasses took to complete: 530ms
1 D/Zygote32Timing( 346): PostZygoteInitGC took to complete: 8ms
1 D/Zygote32Timing( 346): ZygoteInit took to complete: 8ms
1 D/Zygote64Timing( 345): BeginIcuCachePinning took to complete: 49ms
1 D/Zygote64Timing( 345): PreloadClasses took to complete: 530ms
1 D/Zygote64Timing( 345): PreloadResources took to complete: 80ms
1 D/Zygote64Timing( 345): ZygotePreload took to complete: 704ms
1 D/Zygote64Timing( 345): PostZygoteInitGC took to complete: 20ms
1 D/Zygote64Timing( 345): ZygoteInit took to complete: 725ms
1 D/SystemServerTiming( 736): InitBeforeStartServices took to complete: 192ms
```

```
1 D/SystemServerTiming( 736): ReadingSystemConfig took to complete: 0ms
1 D/SystemServerTiming( 736): StartInstaller took to complete: 10ms
1 D/SystemServerTiming( 736): DeviceIdentifiersPolicyService took to complete:
1ms
1 D/SystemServerTiming( 736): StartActivityManager took to complete: 110ms
1 D/SystemServerTiming( 736): StartPowerManager took to complete: 14ms
1 D/SystemServerTiming( 736): InitPowerManagement took to complete: 2ms
1 D/SystemServerTiming( 736): StartRecoverySystemService took to complete: 2ms
1 D/Zygote32Timing( 346): PostZygoteInitGC took to complete: 8ms
1 D/Zygote32Timing( 346): ZygoteInit took to complete: 8ms
1 D/Zygote64Timing( 345): BeginIcuCachePinning took to complete: 49ms
1 D/Zygote32Timing( 346): PostZygoteInitGC took to complete: 8ms
1 D/Zygote32Timing( 346): ZygoteInit took to complete: 8ms
1 D/Zygote64Timing( 345): BeginIcuCachePinning took to complete: 49ms
1 D/Zygote64Timing( 345): PreloadClasses took to complete: 530ms
1 D/Zygote64Timing( 345): PreloadResources took to complete: 80ms
1 D/Zygote64Timing( 345): ZygotePreload took to complete: 704ms
1 D/Zygote64Timing( 345): PostZygoteInitGC took to complete: 20ms
1 D/Zygote64Timing( 345): ZygoteInit took to complete: 725ms
1 D/SystemServerTiming( 736): InitBeforeStartServices took to complete: 192ms
1 D/SystemServerTiming( 736): ReadingSystemConfig took to complete: 0ms
1 D/SystemServerTiming( 736): StartInstaller took to complete: 10ms
1 D/SystemServerTiming( 736): DeviceIdentifiersPolicyService took to complete:
1ms
1 D/SystemServerTiming( 736): StartActivityManager took to complete: 110ms
1 D/SystemServerTiming( 736): StartPowerManager took to complete: 14ms
1 D/SystemServerTiming( 736): InitPowerManagement took to complete: 2ms
1 D/SystemServerTiming( 736): StartRecoverySystemService took to complete: 2ms
1 D/SystemServerTiming( 736): StartLightsService took to complete: 0ms
1 D/SystemServerTiming( 736): StartSidekickService took to complete: 0ms
1 D/SystemServerTiming( 736): StartDisplayManager took to complete: 2ms
1 D/SystemServerTiming( 736): WaitForDisplay took to complete: 16ms
1 D/Zygote32Timing( 346): PostZygoteInitGC took to complete: 8ms
1 D/Zygote32Timing( 346): ZygoteInit took to complete: 8ms
1 D/Zygote64Timing( 345): BeginIcuCachePinning took to complete: 49ms
1 D/Zygote64Timing( 345): PreloadClasses took to complete: 530ms
1 D/Zygote64Timing( 345): PreloadResources took to complete: 80ms
1 D/Zygote64Timing( 345): ZygotePreload took to complete: 704ms
1 D/Zygote64Timing( 345): PostZygoteInitGC took to complete: 20ms
1 D/Zygote64Timing( 345): ZygoteInit took to complete: 725ms
1 D/SystemServerTiming( 736): InitBeforeStartServices took to complete: 192ms
1 D/SystemServerTiming( 736): ReadingSystemConfig took to complete: 0ms
1 D/SystemServerTiming( 736): StartInstaller took to complete: 10ms
1 D/Zygote32Timing( 346): PostZygoteInitGC took to complete: 8ms
1 D/Zygote32Timing( 346): ZygoteInit took to complete: 8ms
1 D/Zygote64Timing( 345): BeginIcuCachePinning took to complete: 49ms
1 D/Zygote64Timing( 345): PreloadClasses took to complete: 530ms
1 D/Zygote64Timing( 345): PreloadResources took to complete: 80ms
1 D/Zygote64Timing( 345): ZygotePreload took to complete: 704ms
1 D/Zygote64Timing( 345): PostZygoteInitGC took to complete: 20ms
1 D/Zygote64Timing( 345): ZygoteInit took to complete: 725ms
1 D/SystemServerTiming( 736): InitBeforeStartServices took to complete: 192ms
1 D/SystemServerTiming( 736): ReadingSystemConfig took to complete: 0ms
1 D/Zygote32Timing( 346): PostZygoteInitGC took to complete: 8ms
1 D/Zygote32Timing( 346): ZygoteInit took to complete: 8ms
1 D/Zygote64Timing( 345): BeginIcuCachePinning took to complete: 49ms
1 D/Zygote64Timing( 345): PreloadClasses took to complete: 530ms
1 D/Zygote64Timing( 345): PreloadResources took to complete: 80ms
```

```
1 D/Zygote64Timing( 345): ZygotePreload took to complete: 704ms
1 D/Zygote64Timing( 345): PostZygoteInitGC took to complete: 20ms
1 D/Zygote64Timing( 345): ZygoteInit took to complete: 725ms
1 D/SystemServerTiming( 736): InitBeforeStartServices took to complete: 192ms
1 D/SystemServerTiming( 736): ReadingSystemConfig took to complete: 0ms
1 D/SystemServerTiming( 736): StartInstaller took to complete: 10ms
1 D/SystemServerTiming( 736): DeviceIdentifiersPolicyService took to complete:
1ms
1 D/SystemServerTiming( 736): StartActivityManager took to complete: 110ms
1 D/SystemServerTiming( 736): StartPowerManager took to complete: 14ms
1 D/SystemServerTiming( 736): InitPowerManagement took to complete: 2ms
1 D/SystemServerTiming( 736): StartRecoverySystemService took to complete: 2ms
1 D/SystemServerTiming( 736): StartLightsService took to complete: 0ms
1 D/SystemServerTiming( 736): StartSidekickService took to complete: 0ms
1 D/SystemServerTiming( 736): StartDisplayManager took to complete: 2ms
1 D/SystemServerTiming( 736): WaitForDisplay took to complete: 16ms
1 D/SystemServerTiming( 736): StartPackageManagerService took to complete:
1371ms
1 D/SystemServerTiming( 736): StartOtaDexOptService took to complete: 0ms
1 D/Zygote32Timing( 346): PostZygoteInitGC took to complete: 8ms
1 D/Zygote32Timing( 346): ZygoteInit took to complete: 8ms
1 D/Zygote64Timing( 345): BeginIcuCachePinning took to complete: 49ms
1 D/Zygote64Timing( 345): PreloadClasses took to complete: 530ms
1 D/Zygote64Timing( 345): PreloadResources took to complete: 80ms
1 D/Zygote64Timing( 345): ZygotePreload took to complete: 704ms
1 D/Zygote64Timing( 345): PostZygoteInitGC took to complete: 20ms
1 D/Zygote64Timing( 345): ZygoteInit took to complete: 725ms
1 D/SystemServerTiming( 736): InitBeforeStartServices took to complete: 192ms
1 D/SystemServerTiming( 736): ReadingSystemConfig took to complete: 0ms
1 D/SystemServerTiming( 736): StartInstaller took to complete: 10ms
1 D/SystemServerTiming( 736): DeviceIdentifiersPolicyService took to complete:
1ms
1 D/SystemServerTiming( 736): StartActivityManager took to complete: 110ms
1 D/SystemServerTiming( 736): StartPowerManager took to complete: 14ms
1 D/SystemServerTiming( 736): InitPowerManagement took to complete: 2ms
1 D/SystemServerTiming( 736): StartRecoverySystemService took to complete: 2ms
1 D/SystemServerTiming( 736): StartLightsService took to complete: 0ms
1 D/SystemServerTiming( 736): StartSidekickService took to complete: 0ms
1 D/SystemServerTiming( 736): StartDisplayManager took to complete: 2ms
1 D/SystemServerTiming( 736): WaitForDisplay took to complete: 16ms
1 D/SystemServerTiming( 736): StartPackageManagerService took to complete:
1371ms
1 D/SystemServerTiming( 736): StartOtaDexOptService took to complete: 0ms
1 D/SystemServerTiming( 736): StartUserManagerService took to complete: 0ms
1 D/SystemServerTiming( 736): InitAttributerCache took to complete: 0ms
1 D/SystemServerTiming( 736): SetSystemProcess took to complete: 4ms
1 D/SystemServerTiming( 736): StartOverlayManagerService took to complete: 1ms
1 D/SystemServerTimingAsync( 736): StartSensorService took to complete: 7ms
1 D/SystemServerTiming( 736): StartBatteryService took to complete: 9ms
1 D/SystemServerTiming( 736): StartUsageService took to complete: 20ms
1 D/SystemServerTiming( 736): StartWebViewUpdateService took to complete: 0ms
1 D/SystemServerTiming( 736): StartBinderCallsStatsService took to complete:
0ms
1 D/SystemServerTiming( 736): StartKeyAttestationApplicationIdProviderService
took to complete: 0ms
1 D/SystemServerTiming( 736): StartKeyChainSystemService took to complete: 1ms
1 D/SystemServerTiming( 736): StartSchedulingPolicyService took to complete:
0ms
```

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 1 D/SystemServerTiming( 736): StartTelecomLoaderService took to complete: 0ms
 1 D/SystemServerTiming( 736): StartTelephonyRegistry took to complete: 1ms
 1 D/SystemServerTiming( 736): StartEntropyMixer took to complete: 23ms
 1 D/SystemServerTiming( 736): StartAccountManagerService took to complete: 3ms
 1 D/SystemServerTiming( 736): StartContentService took to complete: 8ms
 1 D/ZygoteInitTiming_lazy( 346): BeginIcuCachePinning took to complete: 14ms
 1 D/SystemServerTiming( 736): InstallSystemProviders took to complete: 84ms
 1 D/SystemServerTiming( 736): StartDropBoxManager took to complete: 0ms
 1 D/SystemServerTiming( 736): StartVibratorService took to complete: 2ms
 1 D/SystemServerTiming( 736): StartConsumerIrService took to complete: 0ms
 1 D/SystemServerTiming( 736): StartAlarmManagerService took to complete: 3ms
 1 D/SystemServerTiming( 736): InitWatchdog took to complete: 0ms
 1 D/SystemServerTiming( 736): StartInputManagerService took to complete: 2ms
 1 D/SystemServerTiming( 736): StartWindowManagerService took to complete: 19ms
 1 D/SystemServerTiming( 736): SetWindowManagerService took to complete: 38ms
 1 D/SystemServerTiming( 736): WindowManagerServiceOnInitReady took to complete:
14ms
 1 D/SystemServerTiming( 736): StartVrManagerService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartInputManager took to complete: 1ms
 1 D/SystemServerTimingAsync( 736): StartHidlServices took to complete: 2ms
 1 D/SystemServerTiming( 736): DisplayManagerWindowManagerAndInputReady took to
complete: 0ms
 1 D/SystemServerTiming( 736): StartBluetoothService took to complete: 0ms
 1 D/SystemServerTiming( 736): IpConnectivityMetrics took to complete: 1ms
 1 D/SystemServerTiming( 736): NetworkWatchlistService took to complete: 5ms
 1 D/SystemServerTiming( 736): PinnerService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartInputMethodManagerLifecycle took to
complete: 6ms
 1 D/SystemServerTiming( 736): StartAccessibilityManagerService took to
complete: 2ms
 1 D/SystemServerTiming( 736): MakeDisplayReady took to complete: 17ms
 1 D/SystemServerTiming( 736): StartStorageManagerService took to complete: 3ms
 1 D/SystemServerTiming( 736): StartStorageStatsService took to complete: 2ms
 1 D/SystemServerTiming( 736): StartUiModeManager took to complete: 1ms
 1 D/SystemServerTiming( 736): UpdatePackagesIfNeeded took to complete: 0ms
 1 D/SystemServerTiming( 736): PerformFstrimIfNeeded took to complete: 0ms
 1 D/SystemServerTiming( 736): StartLockSettingsService took to complete: 4ms
 1 D/SystemServerTiming( 736): StartPersistentDataBlock took to complete: 0ms
 1 D/SystemServerTiming( 736): StartOemLockService took to complete: 2ms
 1 D/SystemServerTiming( 736): StartDeviceIdleController took to complete: 1ms
 1 D/SystemServerTiming( 736): StartDevicePolicyManager took to complete: 2ms
 1 D/SystemServerTiming( 736): StartStatusBarManagerService took to complete:
0ms
 1 D/SystemServerTiming( 736): StartClipboardService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartNetworkManagementService took to complete:
1ms
 1 D/SystemServerTiming( 736): StartIpSecService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartTextServicesManager took to complete: 0ms
 1 D/SystemServerTiming( 736): StartTextClassificationManagerService took to
complete: 1ms
 1 D/SystemServerTiming( 736): StartNetworkScoreService took to complete: 0ms
 1 D/SystemServerTiming( 736): StartNetworkStatsService took to complete: 5ms
 1 D/SystemServerTiming( 736): StartNetworkPolicyManagerService took to
complete: 1ms
 1 D/SystemServerTiming( 736): StartWifi took to complete: 76ms
 1 D/SystemServerTiming( 736): StartWifiScanning took to complete: 3ms
 1 D/SystemServerTiming( 736): StartRttService took to complete: 3ms
 1 D/SystemServerTiming( 736): StartWifiP2P took to complete: 3ms
```

```
1 D/SystemServerTiming( 736): StartEthernet took to complete: 0ms
1 D/SystemServerTiming( 736): StartConnectivityService took to complete: 6ms
1 D/SystemServerTiming( 736): StartNsdService took to complete: 1ms
1 D/SystemServerTiming( 736): StartSystemUpdateManagerService took to complete:
1ms
1 D/SystemServerTiming( 736): StartUpdateLockService took to complete: 0ms
1 D/SystemServerTiming( 736): StartNotificationManager took to complete: 12ms
1 D/SystemServerTiming( 736): StartDeviceMonitor took to complete: 1ms
1 D/SystemServerTiming( 736): StartLocationManagerService took to complete: 0ms
1 D/SystemServerTiming( 736): StartCountryDetectorService took to complete: 0ms
1 D/SystemServerTiming( 736): StartSearchManagerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartWallpaperManagerService took to complete:
1ms
1 D/SystemServerTiming( 736): StartAudioService took to complete: 19ms
1 D/SystemServerTiming( 736): StartBroadcastRadioService took to complete: 5ms
1 D/SystemServerTiming( 736): StartDockObserver took to complete: 1ms
1 D/SystemServerTiming( 736): StartWiredAccessoryManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartMidiManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartUsbService took to complete: 15ms
1 D/SystemServerTiming( 736): StartSerialService took to complete: 0ms
1 D/SystemServerTiming( 736): StartHardwarePropertiesManagerService took to
complete: 2ms
1 D/SystemServerTiming( 736): StartTwilightService took to complete: 1ms
1 D/SystemServerTiming( 736): StartNightDisplay took to complete: 0ms
1 D/SystemServerTiming( 736): StartJobScheduler took to complete: 5ms
1 D/SystemServerTiming( 736): StartSoundTrigger took to complete: 0ms
1 D/SystemServerTiming( 736): StartTrustManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartBackupManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartAppWidgerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartVoiceRecognitionManager took to complete:
0ms
1 D/SystemServerTiming( 736): StartGestureLauncher took to complete: 0ms
1 D/SystemServerTiming( 736): StartSensorNotification took to complete: 0ms
1 D/SystemServerTiming( 736): StartContextHubSystemService took to complete:
1ms
1 D/SystemServerTiming( 736): StartDiskStatsService took to complete: 1ms
1 D/SystemServerTiming( 736): StartNetworkTimeUpdateService took to complete:
5ms
1 D/SystemServerTiming( 736): StartCommonTimeManagementService took to
complete: 1ms
1 D/SystemServerTiming( 736): CertBlacklister took to complete: 0ms
1 D/SystemServerTiming( 736): StartEmergencyAffordanceService took to complete:
0ms
1 D/SystemServerTiming( 736): StartDreamManager took to complete: 1ms
1 D/SystemServerTiming( 736): AddGraphicsStatsService took to complete: 2ms
1 D/SystemServerTiming( 736): StartPrintManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartCompanionDeviceManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartRestrictionManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartMediaSessionService took to complete: 1ms
1 D/SystemServerTiming( 736): StartMediaUpdateService took to complete: 0ms
1 D/SystemServerTiming( 736): StartMediaResourceMonitor took to complete: 0ms
1 D/SystemServerTiming( 736): StartMediaRouterService took to complete: 1ms
1 D/SystemServerTiming( 736): StartBackgroundDexOptService took to complete:
0ms
1 D/SystemServerTiming( 736): StartPruneInstantAppsJobService took to complete:
2ms
1 D/SystemServerTiming( 736): StartShortcutServiceLifecycle took to complete:
1ms
```

```
 1 D/SystemServerTiming( 736): StartLauncherAppsService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartCrossProfileAppsService took to complete:
0ms
 1 D/SystemServerTiming( 736): StartMediaProjectionManager took to complete: 1ms
 1 D/SystemServerTiming( 736): StartSliceManagerService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartCameraServiceProxy took to complete: 1ms
 1 D/SystemServerTiming( 736): StartStatsCompanionService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartJitCompilation took to complete: 0ms
 1 D/SystemServerTiming( 736): StartMmsService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartAutoFillService took to complete: 1ms
 1 D/SystemServerTiming( 736): MakeVibratorServiceReady took to complete: 0ms
 1 D/ZygoteInitTiming_lazy( 346): PreloadClasses took to complete: 397ms
 1 D/SystemServerTiming( 736): MakeLockSettingsServiceReady took to complete:
15ms
 1 D/SystemServerTiming( 736): StartBootPhaseLockSettingsReady took to complete:
7ms
 1 D/ZygoteInitTiming_lazy( 346): PreloadResources took to complete: 48ms
 1 D/SystemServerTimingAsync( 736): SecondaryZygotePreload took to complete:
606ms
 1 D/SystemServerTimingAsync( 736): AppDataFixup took to complete: 1158ms
 1 D/SystemServerTiming( 736): StartBootPhaseSystemServicesReady took to
complete: 908ms
 1 D/SystemServerTiming( 736): MakeWindowManagerServiceReady took to complete:
2ms
 1 D/SystemServerTiming( 736): MakePowerManagerServiceReady took to complete:
9ms
 1 D/SystemServerTiming( 736): MakePackageManagerServiceReady took to complete:
38ms
 1 D/SystemServerTiming( 736): MakeDisplayManagerServiceReady took to complete:
0ms
 1 D/SystemServerTiming( 736): StartDeviceSpecificServices took to complete: 0ms
 1 D/SystemServerTiming( 736): StartBootPhaseDeviceSpecificServicesReady took to
complete: 0ms
 1 D/SystemServerTimingAsync( 736): AppDataPrepare took to complete: 509ms
 1 D/SystemServerTiming( 736): StartActivityManagerReadyPhase took to complete:
87ms
 1 D/SystemServerTiming( 736): StartObservingNativeCrashes took to complete: 0ms
 1 D/SystemServerTiming( 736): StartQnxHelperService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartCarServiceHelperService took to complete:
13ms
 1 D/SystemServerTiming( 736): StartCoreManagerHelperService took to complete:
1ms
 1 D/SystemServerTiming( 736): StartSystemUI took to complete: 1ms
 1 D/SystemServerTimingAsync( 736): WebViewFactoryPreparation took to complete:
24ms
 1 D/SystemServerTiming( 736): MakeNetworkManagementServiceReady took to
complete: 475ms
 1 D/SystemServerTiming( 736): MakeIpSecServiceReady took to complete: 1ms
 1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.Dependency
took to complete: 3ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.util.NotificationChannels took to complete:
2ms
 1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.statusbar.CommandQueue$CommandQueueStart took
to complete: 0ms
```

```
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.keyguard.KeyguardViewMediator took to
complete: 33ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.recents.Recents took to complete: 46ms
1 D/VehicleHalTiming( 1130): VehicleHal.init took to complete: 110ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.volume.VolumeUI took to complete: 46ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.stackdivider.Divider took to complete: 103ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.SystemBars
took to complete: 2ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.usb.StorageNotification took to complete: 17ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.power.PowerUI
took to complete: 5ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.media.RingtonePlayer took to complete: 2ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.keyboard.KeyboardUI took to complete: 2ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.pip.PipUI took
to complete: 13ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.shortcut.ShortcutKeyDispatcher took to
complete: 2ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.VendorServices
took to complete: 0ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.util.leak.GarbageMonitor$Service took to
complete: 1ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.LatencyTester
took to complete: 12ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.globalactions.GlobalActionsComponent took to
complete: 2ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.ScreenDecorations took to complete: 1ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.fingerprint.FingerprintDialogImpl took to
complete: 0ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.SliceBroadcastRelayHandler took to complete:
1ms
1 D/SystemUIBootTiming( 1154): StartServices took to complete: 294ms
1 D/VehicleHalTiming( 1130): CarService.initAllServices took to complete: 335ms
1 D/SystemServerTiming( 736): MakeNetworkStatsServiceReady took to complete:
1088ms
1 D/SystemServerTiming( 736): MakeConnectivityServiceReady took to complete:
11ms
1 D/SystemServerTiming( 736): MakeNetworkPolicyServiceReady took to complete:
0ms
1 D/SystemServerTiming( 736): StartWatchdog took to complete: 0ms
1 D/SystemServerTiming( 736): PhaseThirdPartyAppsCanStart took to complete:
29ms
1 D/SystemServerTiming( 736): MakeLocationServiceReady took to complete: 8ms
1 D/SystemServerTiming( 736): MakeCountryDetectionServiceReady took to
complete: 0ms
1 D/SystemServerTiming( 736): MakeNetworkTimeUpdateReady took to complete: 1ms
```

```
 1 D/SystemServerTiming( 736): MakeCommonTimeManagementServiceReady took to
complete: 0ms
 1 D/SystemServerTiming( 736): MakeInputManagerServiceReady took to complete:
1ms
 1 D/SystemServerTiming( 736): MakeTelephonyRegistryReady took to complete: 0ms
 1 D/SystemServerTiming( 736): MakeMediaRouterServiceReady took to complete: 0ms
 1 D/SystemServerTiming( 736): MakeMmsServiceReady took to complete: 0ms
 1 D/SystemServerTiming( 736): IncidentDaemonReady took to complete: 1ms
 1 D/SystemServerTiming( 736): ActivityManagerStartApps took to complete: 59ms
 1 D/SystemServerTiming( 736): PhaseActivityManagerReady took to complete:
1784ms
 1 D/SystemServerTiming( 736): StartServices took to complete: 4794ms
 1 D/SystemServerTiming( 736): SystemUserUnlock took to complete: 4808ms
 1 D/Zygote32Timing( 346): PostZygoteInitGC took to complete: 8ms
 1 D/Zygote32Timing( 346): ZygoteInit took to complete: 8ms
 1 D/Zygote64Timing( 345): BeginIcuCachePinning took to complete: 49ms
 1 D/Zygote64Timing( 345): PreloadClasses took to complete: 530ms
 1 D/Zygote64Timing( 345): PreloadResources took to complete: 80ms
 1 D/Zygote64Timing( 345): ZygotePreload took to complete: 704ms
 1 D/Zygote64Timing( 345): PostZygoteInitGC took to complete: 20ms
 1 D/Zygote64Timing( 345): ZygoteInit took to complete: 725ms
 1 D/SystemServerTiming( 736): InitBeforeStartServices took to complete: 192ms
 1 D/SystemServerTiming( 736): ReadingSystemConfig took to complete: 0ms
 1 D/SystemServerTiming( 736): StartInstaller took to complete: 10ms
 1 D/SystemServerTiming( 736): DeviceIdentifiersPolicyService took to complete:
1ms
 1 D/SystemServerTiming( 736): StartActivityManager took to complete: 110ms
 1 D/SystemServerTiming( 736): StartPowerManager took to complete: 14ms
 1 D/SystemServerTiming( 736): InitPowerManagement took to complete: 2ms
 1 D/SystemServerTiming( 736): StartRecoverySystemService took to complete: 2ms
 1 D/SystemServerTiming( 736): StartLightsService took to complete: 0ms
 1 D/SystemServerTiming( 736): StartSidekickService took to complete: 0ms
 1 D/SystemServerTiming( 736): StartDisplayManager took to complete: 2ms
 1 D/SystemServerTiming( 736): WaitForDisplay took to complete: 16ms
 1 D/SystemServerTiming( 736): StartPackageManagerService took to complete:
1371ms
 1 D/SystemServerTiming( 736): StartOtaDexOptService took to complete: 0ms
 1 D/SystemServerTiming( 736): StartUserManagerService took to complete: 0ms
 1 D/SystemServerTiming( 736): InitAttributerCache took to complete: 0ms
 1 D/SystemServerTiming( 736): SetSystemProcess took to complete: 4ms
 1 D/SystemServerTiming( 736): StartOverlayManagerService took to complete: 1ms
 1 D/SystemServerTimingAsync( 736): StartSensorService took to complete: 7ms
 1 D/SystemServerTiming( 736): StartBatteryService took to complete: 9ms
 1 D/SystemServerTiming( 736): StartUsageService took to complete: 20ms
 1 D/SystemServerTiming( 736): StartWebViewUpdateService took to complete: 0ms
 1 D/SystemServerTiming( 736): StartBinderCallsStatsService took to complete:
0ms
 1 D/SystemServerTiming( 736): StartKeyAttestationApplicationIdProviderService
took to complete: 0ms
 1 D/SystemServerTiming( 736): StartKeyChainSystemService took to complete: 1ms
 1 D/SystemServerTiming( 736): StartSchedulingPolicyService took to complete:
0ms
 1 D/SystemServerTiming( 736): StartTelecomLoaderService took to complete: 0ms
 1 D/SystemServerTiming( 736): StartTelephonyRegistry took to complete: 1ms
 1 D/SystemServerTiming( 736): StartEntropyMixer took to complete: 23ms
 1 D/SystemServerTiming( 736): StartAccountManagerService took to complete: 3ms
 1 D/SystemServerTiming( 736): StartContentService took to complete: 8ms
 1 D/ZygoteInitTiming_lazy( 346): BeginIcuCachePinning took to complete: 14ms
```

```
1 D/SystemServerTiming( 736): InstallSystemProviders took to complete: 84ms
1 D/SystemServerTiming( 736): StartDropBoxManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartVibratorService took to complete: 2ms
1 D/SystemServerTiming( 736): StartConsumerIrService took to complete: 0ms
1 D/SystemServerTiming( 736): StartAlarmManagerService took to complete: 3ms
1 D/SystemServerTiming( 736): InitWatchdog took to complete: 0ms
1 D/SystemServerTiming( 736): StartInputManagerService took to complete: 2ms
1 D/SystemServerTiming( 736): StartWindowManagerService took to complete: 19ms
1 D/SystemServerTiming( 736): SetWindowManagerService took to complete: 38ms
1 D/SystemServerTiming( 736): WindowManagerServiceOnInitReady took to complete:
14ms
1 D/SystemServerTiming( 736): StartVrManagerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartInputManager took to complete: 1ms
1 D/SystemServerTimingAsync( 736): StartHidlServices took to complete: 2ms
1 D/SystemServerTiming( 736): DisplayManagerWindowManagerAndInputReady took to
complete: 0ms
1 D/SystemServerTiming( 736): StartBluetoothService took to complete: 0ms
1 D/SystemServerTiming( 736): IpConnectivityMetrics took to complete: 1ms
1 D/SystemServerTiming( 736): NetworkWatchlistService took to complete: 5ms
1 D/SystemServerTiming( 736): PinnerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartInputMethodManagerLifecycle took to
complete: 6ms
1 D/SystemServerTiming( 736): StartAccessibilityManagerService took to
complete: 2ms
1 D/SystemServerTiming( 736): MakeDisplayReady took to complete: 17ms
1 D/SystemServerTiming( 736): StartStorageManagerService took to complete: 3ms
1 D/SystemServerTiming( 736): StartStorageStatsService took to complete: 2ms
1 D/SystemServerTiming( 736): StartUiModeManager took to complete: 1ms
1 D/SystemServerTiming( 736): UpdatePackagesIfNeeded took to complete: 0ms
1 D/SystemServerTiming( 736): PerformFstrimIfNeeded took to complete: 0ms
1 D/SystemServerTiming( 736): StartLockSettingsService took to complete: 4ms
1 D/SystemServerTiming( 736): StartPersistentDataBlock took to complete: 0ms
1 D/SystemServerTiming( 736): StartOemLockService took to complete: 2ms
1 D/SystemServerTiming( 736): StartDeviceIdleController took to complete: 1ms
1 D/SystemServerTiming( 736): StartDevicePolicyManager took to complete: 2ms
1 D/SystemServerTiming( 736): StartStatusBarManagerService took to complete:
0ms
1 D/SystemServerTiming( 736): StartClipboardService took to complete: 1ms
1 D/SystemServerTiming( 736): StartNetworkManagementService took to complete:
1ms
1 D/SystemServerTiming( 736): StartIpSecService took to complete: 1ms
1 D/SystemServerTiming( 736): StartTextServicesManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartTextClassificationManagerService took to
complete: 1ms
1 D/SystemServerTiming( 736): StartNetworkScoreService took to complete: 0ms
1 D/SystemServerTiming( 736): StartNetworkStatsService took to complete: 5ms
1 D/SystemServerTiming( 736): StartNetworkPolicyManagerService took to
complete: 1ms
1 D/SystemServerTiming( 736): StartWifi took to complete: 76ms
1 D/SystemServerTiming( 736): StartWifiScanning took to complete: 3ms
1 D/SystemServerTiming( 736): StartRttService took to complete: 3ms
1 D/SystemServerTiming( 736): StartWifiP2P took to complete: 3ms
1 D/SystemServerTiming( 736): StartEthernet took to complete: 0ms
1 D/SystemServerTiming( 736): StartConnectivityService took to complete: 6ms
1 D/SystemServerTiming( 736): StartNsdService took to complete: 1ms
1 D/SystemServerTiming( 736): StartSystemUpdateManagerService took to complete:
1ms
1 D/SystemServerTiming( 736): StartUpdateLockService took to complete: 0ms
```

```
1 D/SystemServerTiming( 736): StartNotificationManager took to complete: 12ms
1 D/SystemServerTiming( 736): StartDeviceMonitor took to complete: 1ms
1 D/SystemServerTiming( 736): StartLocationManagerService took to complete: 0ms
1 D/SystemServerTiming( 736): StartCountryDetectorService took to complete: 0ms
1 D/SystemServerTiming( 736): StartSearchManagerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartWallpaperManagerService took to complete:
1ms
1 D/SystemServerTiming( 736): StartAudioService took to complete: 19ms
1 D/SystemServerTiming( 736): StartBroadcastRadioService took to complete: 5ms
1 D/SystemServerTiming( 736): StartDockObserver took to complete: 1ms
1 D/SystemServerTiming( 736): StartWiredAccessoryManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartMidiManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartUsbService took to complete: 15ms
1 D/SystemServerTiming( 736): StartSerialService took to complete: 0ms
1 D/SystemServerTiming( 736): StartHardwarePropertiesManagerService took to
complete: 2ms
1 D/SystemServerTiming( 736): StartTwilightService took to complete: 1ms
1 D/SystemServerTiming( 736): StartNightDisplay took to complete: 0ms
1 D/SystemServerTiming( 736): StartJobScheduler took to complete: 5ms
1 D/SystemServerTiming( 736): StartSoundTrigger took to complete: 0ms
1 D/SystemServerTiming( 736): StartTrustManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartBackupManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartAppWidgerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartVoiceRecognitionManager took to complete:
0ms
1 D/SystemServerTiming( 736): StartGestureLauncher took to complete: 0ms
1 D/SystemServerTiming( 736): StartSensorNotification took to complete: 0ms
1 D/SystemServerTiming( 736): StartContextHubSystemService took to complete:
1ms
1 D/SystemServerTiming( 736): StartDiskStatsService took to complete: 1ms
1 D/SystemServerTiming( 736): StartNetworkTimeUpdateService took to complete:
5ms
1 D/SystemServerTiming( 736): StartCommonTimeManagementService took to
complete: 1ms
1 D/SystemServerTiming( 736): CertBlacklister took to complete: 0ms
1 D/SystemServerTiming( 736): StartEmergencyAffordanceService took to complete:
0ms
1 D/SystemServerTiming( 736): StartDreamManager took to complete: 1ms
1 D/SystemServerTiming( 736): AddGraphicsStatsService took to complete: 2ms
1 D/SystemServerTiming( 736): StartPrintManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartCompanionDeviceManager took to complete: 0ms
1 D/SystemServerTiming( 736): StartRestrictionManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartMediaSessionService took to complete: 1ms
1 D/SystemServerTiming( 736): StartMediaUpdateService took to complete: 0ms
1 D/SystemServerTiming( 736): StartMediaResourceMonitor took to complete: 0ms
1 D/SystemServerTiming( 736): StartMediaRouterService took to complete: 1ms
1 D/SystemServerTiming( 736): StartBackgroundDexOptService took to complete:
0ms
1 D/SystemServerTiming( 736): StartPruneInstantAppsJobService took to complete:
2ms
1 D/SystemServerTiming( 736): StartShortcutServiceLifecycle took to complete:
1ms
1 D/SystemServerTiming( 736): StartLauncherAppsService took to complete: 1ms
1 D/SystemServerTiming( 736): StartCrossProfileAppsService took to complete:
0ms
1 D/SystemServerTiming( 736): StartMediaProjectionManager took to complete: 1ms
1 D/SystemServerTiming( 736): StartSliceManagerService took to complete: 1ms
1 D/SystemServerTiming( 736): StartCameraServiceProxy took to complete: 1ms
```

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1 D/SystemServerTiming( 736): StartStatsCompanionService took to complete: 1ms
1 D/SystemServerTiming( 736): StartJitCompilation took to complete: 0ms
1 D/SystemServerTiming( 736): StartMmsService took to complete: 1ms
1 D/SystemServerTiming( 736): StartAutoFillService took to complete: 1ms
1 D/SystemServerTiming( 736): MakeVibratorServiceReady took to complete: 0ms
1 D/ZygoteInitTiming_lazy( 346): PreloadClasses took to complete: 397ms
1 D/SystemServerTiming( 736): MakeLockSettingsServiceReady took to complete:
15ms
1 D/SystemServerTiming( 736): StartBootPhaseLockSettingsReady took to complete:
7ms
1 D/ZygoteInitTiming_lazy( 346): PreloadResources took to complete: 48ms
1 D/SystemServerTimingAsync( 736): SecondaryZygotePreload took to complete:
606ms
1 D/SystemServerTimingAsync( 736): AppDataFixup took to complete: 1158ms
1 D/SystemServerTiming( 736): StartBootPhaseSystemServicesReady took to
complete: 908ms
1 D/SystemServerTiming( 736): MakeWindowManagerServiceReady took to complete:
2ms
1 D/SystemServerTiming( 736): MakePowerManagerServiceReady took to complete:
9ms
1 D/SystemServerTiming( 736): MakePackageManagerServiceReady took to complete:
38ms
1 D/SystemServerTiming( 736): MakeDisplayManagerServiceReady took to complete:
0ms
1 D/SystemServerTiming( 736): StartDeviceSpecificServices took to complete: 0ms
1 D/SystemServerTiming( 736): StartBootPhaseDeviceSpecificServicesReady took to
complete: 0ms
1 D/SystemServerTimingAsync( 736): AppDataPrepare took to complete: 509ms
1 D/SystemServerTiming( 736): StartActivityManagerReadyPhase took to complete:
87ms
1 D/SystemServerTiming( 736): StartObservingNativeCrashes took to complete: 0ms
1 D/SystemServerTiming( 736): StartQnxHelperService took to complete: 1ms
1 D/SystemServerTiming( 736): StartCarServiceHelperService took to complete:
13ms
1 D/SystemServerTiming( 736): StartCoreManagerHelperService took to complete:
1ms
1 D/SystemServerTiming( 736): StartSystemUI took to complete: 1ms
1 D/SystemServerTimingAsync( 736): WebViewFactoryPreparation took to complete:
24ms
1 D/SystemServerTiming( 736): MakeNetworkManagementServiceReady took to
complete: 475ms
1 D/SystemServerTiming( 736): MakeIpSecServiceReady took to complete: 1ms
1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.Dependency
took to complete: 3ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.util.NotificationChannels took to complete:
2ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.statusbar.CommandQueue$CommandQueueStart took
to complete: 0ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.keyguard.KeyguardViewMediator took to
complete: 33ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.recents.Recents took to complete: 46ms
1 D/VehicleHalTiming( 1130): VehicleHal.init took to complete: 110ms
1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.volume.VolumeUI took to complete: 46ms
```

```
  1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.stackdivider.Divider took to complete: 103ms
  1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.SystemBars
took to complete: 2ms
  1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.usb.StorageNotification took to complete: 17ms
  1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.power.PowerUI
took to complete: 5ms
  1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.media.RingtonePlayer took to complete: 2ms
  1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.keyboard.KeyboardUI took to complete: 2ms
  1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.pip.PipUI took
to complete: 13ms
  1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.shortcut.ShortcutKeyDispatcher took to
complete: 2ms
  1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.VendorServices
took to complete: 0ms
  1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.util.leak.GarbageMonitor$Service took to
complete: 1ms
  1 D/SystemUIBootTiming( 1154): StartServicescom.android.systemui.LatencyTester
took to complete: 12ms
  1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.globalactions.GlobalActionsComponent took to
complete: 2ms
  1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.ScreenDecorations took to complete: 1ms
  1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.fingerprint.FingerprintDialogImpl took to
complete: 0ms
  1 D/SystemUIBootTiming( 1154):
StartServicescom.android.systemui.SliceBroadcastRelayHandler took to complete:
1ms
  1 D/SystemUIBootTiming( 1154): StartServices took to complete: 294ms
  1 D/VehicleHalTiming( 1130): CarService.initAllServices took to complete: 335ms
  1 D/SystemServerTiming( 736): MakeNetworkStatsServiceReady took to complete:
1088ms
  1 D/SystemServerTiming( 736): MakeConnectivityServiceReady took to complete:
11ms
  1 D/SystemServerTiming( 736): MakeNetworkPolicyServiceReady took to complete:
0ms
  1 D/SystemServerTiming( 736): StartWatchdog took to complete: 0ms
  1 D/SystemServerTiming( 736): PhaseThirdPartyAppsCanStart took to complete:
29ms
  1 D/SystemServerTiming( 736): MakeLocationServiceReady took to complete: 8ms
  1 D/SystemServerTiming( 736): MakeCountryDetectionServiceReady took to
complete: 0ms
  1 D/SystemServerTiming( 736): MakeNetworkTimeUpdateReady took to complete: 1ms
  1 D/SystemServerTiming( 736): MakeCommonTimeManagementServiceReady took to
complete: 0ms
  1 D/SystemServerTiming( 736): MakeInputManagerServiceReady took to complete:
1ms
  1 D/SystemServerTiming( 736): MakeTelephonyRegistryReady took to complete: 0ms
  1 D/SystemServerTiming( 736): MakeMediaRouterServiceReady took to complete: 0ms
  1 D/SystemServerTiming( 736): MakeMmsServiceReady took to complete: 0ms
  1 D/SystemServerTiming( 736): IncidentDaemonReady took to complete: 1ms
```

```
1 D/SystemServerTiming( 736): ActivityManagerStartApps took to complete: 59ms
1 D/SystemServerTiming( 736): PhaseActivityManagerReady took to complete:
1784ms
1 D/SystemServerTiming( 736): StartServices took to complete: 4794ms
1 D/SystemServerTiming( 736): SystemUserUnlock took to complete: 4808ms

Process finished with exit code 0
```