

표 1. 부팅 관련 로그
Table 1. Log about Booting

Subject	Action	Content	Route
Power	on	Build: {Build Information} kernel : {kernel Information}	/data/system/dropbox/SYSTEM_BOOT@ [Unix Time].txt
			/data/system/dropbox/SYSTEM_AUDIT @[Unix Time].txt
			/data/system/dropbox/SYSTEM_FSCK@ [Unix Time].txt
			/data/system/dropbox/system_server_wt f@[Unix Time].txt
		{Unix Time}	/data/system/appops.xml
			/data/misc/bootstat/last_boot_time_utc
			/data/system/log-files.xml
Power	off	Device Shutdown : {Unix Time}	/data/data/com.facebook.katana/shared _prefs/com.facebook.analytics.appstatelo gger.AppStateBroadcastReceiver.xml
		keypad_reset	/sys/bootinfo/poweroff_reason
	Low battery	persist.sys.boot.reason : shutdown battery	/data/property/persistent_properties
	Reboot ing	reboot	/sys/bootinfo/powerup_reason
		Build: {Build Information} kernel : {kernel Information}	/data/system/dropbox/SYSTEM_BOOT@ [Unix Time].txt
			/data/system/dropbox/SYSTEM_AUDIT @[Unix Time].txt
			/data/system/dropbox/SYSTEM_FSCK@ [Unix Time].txt
		reboot : {Normal Time}	/data/system/mcd/klo/kernel_klo_3.08.3 1-perf-g1088948_0.txt
		shutdown, user requested	/data/misc/reboot/last_reboot_reason
		{Unix Time}	/cache/magisk.log
		reboot	/sys/bootinfo/powerup_reason

표 2. 네트워크 관련 로그
Table 2. log about Network

Subject	Action	Content	Route
Wi-Fi	Connection	SSID : dr*** validated internet access : true password : ***	/data/misc/wifi/WifiConfigStore.xml
		SSID : dr*** bssid : 04:8d:38:***:***: validated internet access : true password : *** key_mgmt : WPA-PSK	/data/misc/wifi/wpa_supplicant.conf
		SSID : dr*** bssid : 04:8d:38:***:***: validated internet access : true Auth : WPA-PSK update Time : [Normal Time]	/data/misc/wifi/networkHistory.txt
		SSID : dr***	/data/system/netstats/dev. [Unix Time]
		SSID : dr***	/data/system/netstats/xt. [Unix Time]
		SSID : dr***	/data/system/netstats/uid. [Unix Time]
Wi-Fi	Connection Error	SSID : dr*** bssid : 04:8d:38:***:***: validated internet access : false identity : **** password : *** key_mgmt : WPA-PSK	/data/misc/wifi/wpa_supplicant.conf
		SSID : dr*** bssid : 04:8d:38:***:***: validated internet access : false update Time : [Normal Time]	/data/misc/wifi/networkHistory.txt
		SSID : dr*** validated internet access : true password : ***	/data/misc/wifi/WifiConfigStore.xml
Hotspot	Activation	SSID : <Device name> Password : ***	/data/misc/wifi/softap.conf
	Connection by USB	SSID : WIN-HCTN*** [Normal Time]	/data/misc/wifi/networkHistory.txt
		SSID : WIN-HCTN*** Password : ***	/data/misc/wifi/wpa_supplicant.conf
		SSID : WIN-HCTN2RE*** Password : *** [Normal Time]	/data/misc/wifi/WifiConfigStore.xml
	Connection by Wi-Fi	Device type : Galaxy Note 8 Mac Address : 94:8b:c1:***	/data/misc/dhcp/dnsmasq.leases
Bluetooth	Device Searching	Name : <Device name>	/data/property/persis.sys.device_name
		Name : <Device name> Address = 9c:2e:a1:54:65:a6 [Unix Time]	/data/misc/bluedroid/bt_config.conf
			/data/misc/bluedroid/bt_config.bak
	Paring		
	Sending Data	Name : <Device name> Address = 9c:2e:a1:54:65:a6 [Unix Time]	/data/misc/bluedroid/bt_config.conf
	Receiving Data		/data/misc/bluedroid/bt_config.bak

표 3. Mi 계정 관련 로그
Table 3. Log about Mi Account

Subject	Action	Content	Route
Mi Account	Login (Not erase when Logout)	Account : 191*** [Unix Time]	/data/data/com.xiaomi.account/shared_prefs/mipush_extra.xml
		Mi ID : 191***	/data/data/com.xiaomi.finddevice/shared_prefs/mipush.xml
			/data/data/com.xiaomi.account/shared_prefs/passport_login_account.xml
			/data/data/com.miui.cloudservice/shared_prefs/com.miui.cloudservice_preference.xml
			/data/data/com.android.contacts/shared_prefs/com.android.contacts_preference.xml
			/data/data/com.xiaomi.account/cache/debug_log/com.xiaomi.account:accounts-service.log
			/data/data/com.miui.cloudbackup/shared_prefs/cloud_backup_alarm.xml
			/data/data/com.miui.cloudbackup/shared_prefs/cloud_backup_state.xml
			/data/data/com.xiaomi.micloud.sdk/shared_prefs/micloud_setting.xml
		[Normal Time]	/data/data/com.xiaomi.account/cache/debug_log/com.xiaomi.account:accounts-service.log
	Login (Erase when Logout)	Mi ID : 191***	/data/system/sync/accounts.xml
			/data/data/com.xiaomi.account/shared_prefs/mipush.xml
			/data/data/com.miui.powerkeeper/shared_prefs/mipush.xml
			/data/data/com.android.browser/shared_prefs/com.android.browser_preference.xml
		[Unix Time]	/data/media/0/Android/data/com.xiaomi.account/files/MiPushLog/log1.txt
		Mi ID : 191*** [Unix Time]	/data/data/com.xiaomi.account/shared_prefs/mipush_extra.xml
	Synchronization	Mi ID : 191***	/data/system/sync/accounts.xml
			/data/data/com.miui.cloudservice/shared_prefs/com.miui.cloudservice_preferences.xml
			/data/data/com.xiaomi.micloud.sdk/shared_prefs/micloud_setting.xml
		[Unix Time]	/data/com.android.browser/shared_prefs/mipush_extra.xml
	Logout	[Unix Time]	/data/data/com.miui.cloudservice/shared_prefs/FindDeviceGPN.xml
		[Normal Time]	/data/data/com.miui.powerkeeper/shared_prefs/mipush_extra.xml
			/data/data/com.xiaomi.account/cache/debug_log/com.xiaomi.account.log
			/data/data/com.xiaomi.account/cache/debug_log/com.xiaomi.account:accounts-service.log
			/data/data/com.xiaomi.account/cache/debug_log/com.xiaomi.account.log
			/data/data/com.android.soundrecorder/cache/debug_log/com.android.soundrecorder.log

표 4. 구글 계정 관련 로그
Table 4. Log about Google Account

Subject	Action	Content	Route	
Google Account	Login	-	/data/data/com.google.android.gms/shared_prefs	/fitness_store_account_[id]@gmail.com
				/fitness_sync_account_[id]@gmail.com
		Account : [id]@gmail.com	/data/data/com.google.android.gms/shared_prefs	/social.account_doritos.xml
				/languageprofile.service.UserLanguageProfile.xml
				/ULR.USER_PREFS.xml
		Account : [id]@gmail.com	/data/data/com.google.android.gms/shared_prefs	/com.google.android.gms.auth.proximity.FeatureSupport.xml
				/com.google.android.gms.auth.proximity.FeatureEnabled.xml
				/com.google.android.gms.auth.proximity.FeaturePendingDisable.xml
				/com.google.android.gms.wallet.wervice.ib.UserDataStorage.xml
				/BackupAccount.xml
				/Checkin.xml
				/com.google.android.gcm.xml
				/com.google.android.gms.auth.authen.cryptauth.SyncManager.proximity_features.xml
		Account : [id]@gmail.com	/data/data/com.google.android.gms/shared_prefs	/gms.people.xml
				/instantapps.UsersPrefsUpdater.xml
				/jams.prefs.xml
				/LockboxOptInSetting.xml
				/warm_account_preferences.xml
		Account : [id]@gmail.com [Unix Time]	/data/data/com.android.vending/shared_prefs	finsky.xml
			/data/data/com.google.android.gms/shared_prefs	/ULR_PRESISTENT_PREFS.xml
			/data/data/com.google.android.gms/shared_prefs	/warm_accounts_preferences.xml
		[Unix Time]	/data/data/com.google.android.gms/shared_prefs	/constellation_prefs.xml
			/data/data/com.google	/wastewater_notificat

			.android.gm/shared_prefs	ion_tokens_{id}@gmail.com.xml
				/Account-{id}@gmail.com
	Synchronization	{Unix Time} Type : Wi - Fi	/data/data/com.google.android.gms/shared_prefs	/data/data/com.google.android.gms/Account-{id}@gmail.com
				/GigSyncEngine_{id}@gmail.com
		{Unix Time}	/data/data/com.google.android.gms/shared_prefs	/gms.people.xml
				/LockboxOptInSettings.xml
		Account : {id}@gmail.com		/instantapps.UserPrefsUpdater.xml
		Account : {id}@gmail.com		/tron_prefs.xml
		{Unix Time}		/reminders_preferences.xml
		{Unix Time}		
	G-mail	Account : {id}@gmail.com	/data/data/com.google.android.gms/shared_prefs	/com.google.android.apps.gmail.accountDumpState:{id}@gmail.com:com.google.xml
				/GigSyncEngine_{id}@gmail.com.xml
				/Gmail.xml
				/com.google.android.apps.gmail.notifications:{id}@gmail.com.xml
		{Unix Time}	/data/data/com.google.android.gms/shared_prefs	/MailAppProvider.xml
				/watermark_notification_tokens_{id}@gmail.com.xml
				/Account-{id}@google.com.xml
		{Unix Time}	/data/data/com.google.android.gms/shared_prefs	/GigSyncEngine_{id}@gmail.com.xml
				/ANIMATABLE_LOGO_VIEW_FILE_KEY.xml
				/com.google.android.apps.gmail.dumpState.xml
				/G6yPrefs.xml

표 5. 시스템 애플리케이션 관련 로그
Table 5. System Log about application

Subject	Action	Content	Route
Alarm	Setting	[Unix Time]	/data/data/com.android.deskclock/shared_prefs/com.android.contacts_preferences.xml
		[Normal Time] : set alarm	/data/data/com.android.deskclock/cache/debug_log/com.android.deskclock.log
	Ringing	alarmclock set alert at time : [Normal Time]	
		deskclock Shutdown Alarm : [Normal Time]	/data/system/miui-wakeuptime.xml
	Stop Ringing	[Normal Time] : Alarmclock stop	/data/data/com.android.deskclock/cache/debug_log/com.android.deskclock.log
	Deletion	Alarmclock : set shutdown alarm [Normal Time]	
Backup	Activation	[Unix Time]	/data/data/com.android.browser/shared_prefs/mipush_extra.xml
		[Normal Time]	/data/data/com.miui.backup/cache/debug_log/com.miui.backup:remote.log
		Android version : 7.1.1 [Unix Time]	/data/data/com.miui.backup/cache/debug_log/com.miui.backup.log
Browser	Activation	[Normal Time]	/data/data/com.android.browser/shared_prefs/com.google.android.gms.measurement.prefs.xml
			/data/data/com.android.browser/shared_prefs/homepagecard.xml
		action begin : [Normal Time] action end : [Normal Time]	/data/data/com.android.browser/shared_prefs/mistat.xml
		Mi Account : 191*** [Normal Time]	/data/data/com.android.browser/shared_prefs/com.android.browser_preference.xml
		Mi Account : 191***	/data/data/com.android.browser/shared_prefs/mipush.xml
		SSID : dr***	/data/data/com.android.browser/app-miui_webview/Hosts
		action begin : [Normal Time] action end : [Normal Time]	/data/data/com.android.browser/shared_prefs/mistat.xml
	Searching	<Search keyword>	/data/data/com.android.browser/cache/browser_state.parcel
		keyword last update time : [Unix Time]	/data/data/com.android.browser/shared_prefs/kv_prefs.xml
		[Unix Time]	/data/data/com.android.browser/shared_prefs/VersionableDataInfo.xml
Call	Receiving	[Normal Time]	/data/data/com.miui.yellowpage/cache/debug_log/com.miui.yellowpage.log
			/data/data/com.google.android.gms/shared_prefs/com.google.android.gms.safetynet.xml
	Sending	[Unix Time]	/data/data/com.miui.yellowpage/cache/debug_log/com.miui.yellowpage.log
	Call Drop	[Normal Time]	

Contact	Saving Contact	Contact account : 191***	/data/data/com.android.contacts/shared_prefs/com.android.contacts_preferences.xml
		[Normal Time] : calling package	/data/data/com.miui.yellowpage/cache/debug_log/com.miui.yellowpage.log
Camera	Information	back camera : oxygen imx386 front camera : oxygen s5k5e8_i	/data/property/persist.camera.module.info
		back camera : Sony_imx363_I back_aux_camera : Samsung_s5k5e8_I front_camera : Samsung_s5k3t1_I	/data/property/persistent_properties
	Activation	[Normal Time] camera record location : true	/data/data/com.android.camera/shared_prefs/camera_settings_global.xml
		[Normal Time]	/data/data/com.android.camera/shared_prefs/mistat.xml
	Taking Picture	camera record location : true camera open time : [Unix Time]	/data/data/com.android.camera/shared_prefs/camera_settings_global.xml
SMS	Activation	[Unix Time]	/data/data/com.google.android.gms/shared_prefs/ipa-sms-corpus.xml
			/data/data/com.google.android.gms/shared_prefs/proxy-sms-corpus.xml
			/data/data/com.google.android.gms/shared_prefs/AppUsageEventWatcher.xml
	Receiving	[Unix Time]	/data/data/com.google.android.gms/shared_prefs/GmsBackupTransport.backupScheduler.xml
			/data/data/com.google.android.gms/shared_prefs/usage_stats_manager_prefs.xml
			/data/data/com.google.android.gms/shared_prefs/ipa-sms-corpus.xml
			/data/data/com.google.android.gms/shared_prefs/proxy-sms-corpus.xml
	Sending	[Unix Time]	/data/data/com.google.android.gms/shared_prefs/usage_stats_manager_prefs.xml
			/data/data/com.google.android.gms/shared_prefs/ipa-sms-corpus.xml
			/data/data/com.google.android.gms/shared_prefs/proxy-sms-corpus.xml
Recording	Activation	<Title> [Normal Time] : isGdprPermissionGranted	/data/data/com.android.soundrecorder/cache/debug_log/com.android.soundrecorder.log
Dual App	Creation	created : [Unix Time] last logged in fingerprint : [Build Information] name : XSpace	/data/system/users/999.xml
		com.speedsoftware.rootexplorer:com.miui.enbbs	/data/system/users/999/xspace_apps_profile

Mi drop	Activation	{Unix Time}	/data/data/com.xiaomi.midrop/shared_prefs/com.google.android.gms.appid.xml
			/data/data/com.xiaomi.midrop/shared_prefs/com.google.android.gms.measurement.prefs.xml
			/data/data/com.xiaomi.midrop/shared_prefs/com.google.android.gms.appid.xml
			/data/data/com.xiaomi.midrop/shared_prefs/mipush_extra.xml
			/data/data/com.xiaomi.midrop/shared_prefs/com.sensordata.analytics.android.sdk.SensorsDataAPI.xml
		Device Name : <Name>	/data/data/com.xiaomi.midrop/shared_prefs/remote_provider_preferences.xml
	Receiving Data	Title : 사진 수신 {Unix Time} Title : 파일 수신 {Unix Time}	/data/data/com.xiaomi.midrop/shared_prefs/com.sensordata.analytics.android.sdk.SensorsDataAPI.xml
		{Unix Time}	/data/data/com.xiaomi.midrop/shared_prefs/com.google.android.gms.measurement.prefs.xml
			/data/data/com.xiaomi.midrop/files/AppEventsLogger.persisstedevents
	Sending Data	{Unix Time}	/data/data/com.xiaomi.midrop/shared_prefs/com.sensordata.analytics.android.sdk.SensorsDataAPI.xml
/data/data/com.xiaomi.midrop/shared_prefs/com.google.android.gms.measurement.prefs.xml			
/data/data/com.xiaomi.midrop/files/AppEventsLogger.persisstedevents			

Auxiliary Space	Creation space	dau time : {Unix Time} <Mi Max2, Mi 8> IMEI : 8627****8714 <Pocophone f1> IMEI_MD5 : 5BC0****41AD	/data/data/com.miui.securitycore/shared_prefs/mistatBE40DB04F3C74D0D23B461C2F0F720E212984D7.xml
		<Mi Max2, Mi 8> IMEI : 8627****8714 <Pocophone f1> IMEI_MD5 : 5BC0****41AD	/data/data/com.miui.securitycore/shared_prefs/mistat.xml
		created : {Unix Time} last logged in fingerprint : [Build Information] name : security space	/data/system/users/10.xml
	Transition space	<Mi Max2, Mi 8> IMEI : 8627****8714	/data/data/com.miui.securitycore/shared_prefs/mistat.xml
	Deletion space	<Pocophone f1> IMEI MD5 : 5BC0****41AD	/data/data/com.miui.securitycore/shared_prefs/mistat.xml

Package	Download	⟨package name⟩	/data/system/appops.xml
		Device ID : ⟨Phone number⟩ [Unix Time]	/data/data/com.iloen.melon/pushinfo.xml
	Package Use	⟨package name⟩ : [Unix Time]	/data/system/appops.xml
			/data/system/job/jobs.xml
			/data/system/package-usage.list
			/data/system/batterystats-daily.xml
			/data/data/com.miui.msa.global/shared_prefs/app_active.xml
			/data/system/usagestats/0/daily/[Unix Time]
			/data/system/usagestats/0/monthly/[Unix Time]
			/data/system/usagestats/0/weekly/[Unix Time]
			/data/system/usagestats/0/yearly/[Unix Time]
	Error	[Normal Time]	/data/anr/traces.txt
			/data/anr/anr_[Normal Time]
		[Normal Time] : ⟨reason⟩	/data/system/uiderrors.txt

표 6. Usim 및 SDcard 관련 로그 (Mi Max 2)
Table 6. Log about Usim & SDcard (Mi Max 2)

Subject	Action	Content	Route
Usim	Insertion	[Normal Time] : Sim state changed	/data/data/com.xiaomi.simactivate.service/cache/debug_log/com.xiaomi.simactivate.service.log
Dual Usim	Insertion	[Normal Time] : Sim state changed	/data/data/com.xiaomi.simactivate.service/cache/debug_log/com.xiaomi.simactivate.service.log

표 7. 공장초기화 관련 로그
Table 7. Log about Factory reset

Subject	Action	Content	Route
Custom Recovery	Factory reset	Starting TWRP	/cache/recovery/last_log.*
		recovery Enter	/cache/recovery/last_kmsg.*