

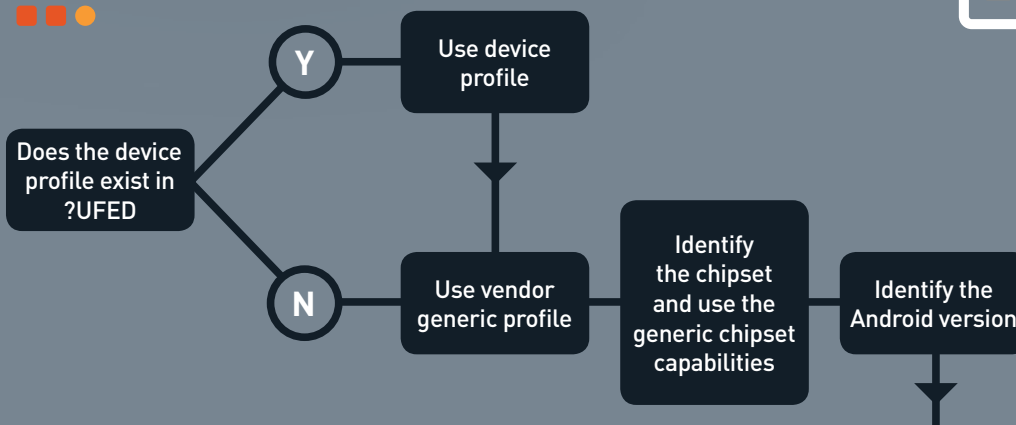


UFED Extraction Flows

A step-by-step guide for recommended extraction flows on Android devices



WHERE DO I START?

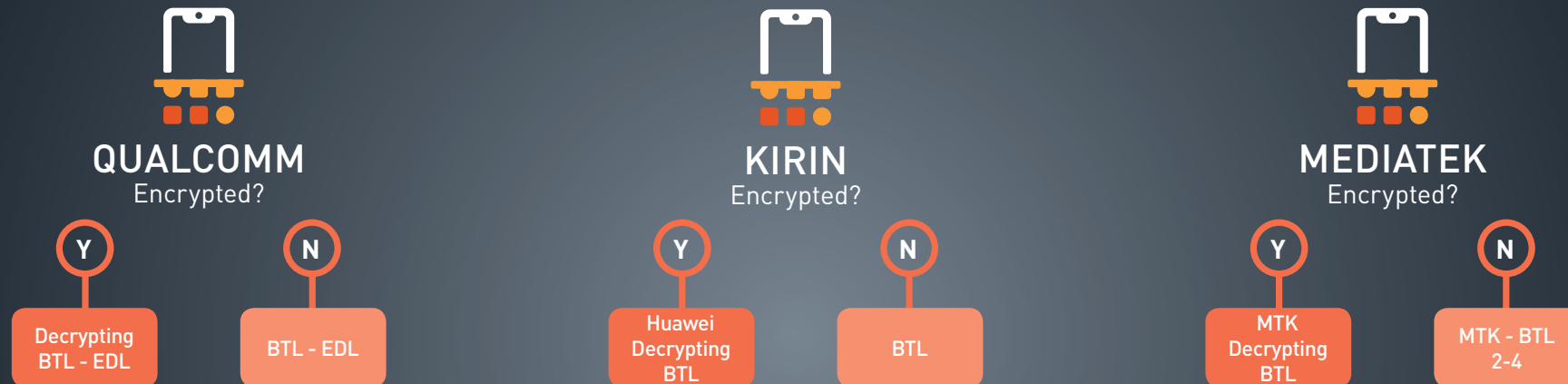


If unsuccessful, contact [Cellebrite Advanced Services](#) for further assistance



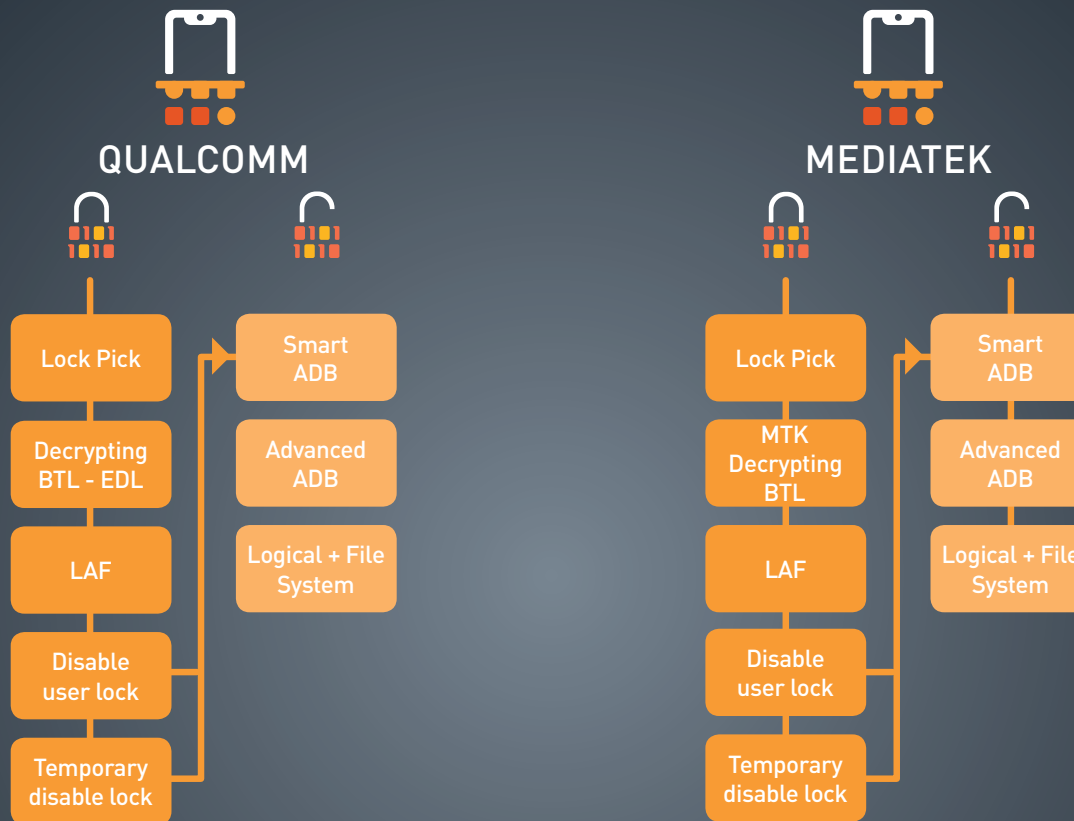
IDENTIFY THE DEVICE MODEL AND CHIPSET

- Use the USB Debug Console to identify your device
- Using protocols such as ADB, MTP, EDL the tool reads and displays the device data
- Enter device IMEI into the UFED model search to locate the model



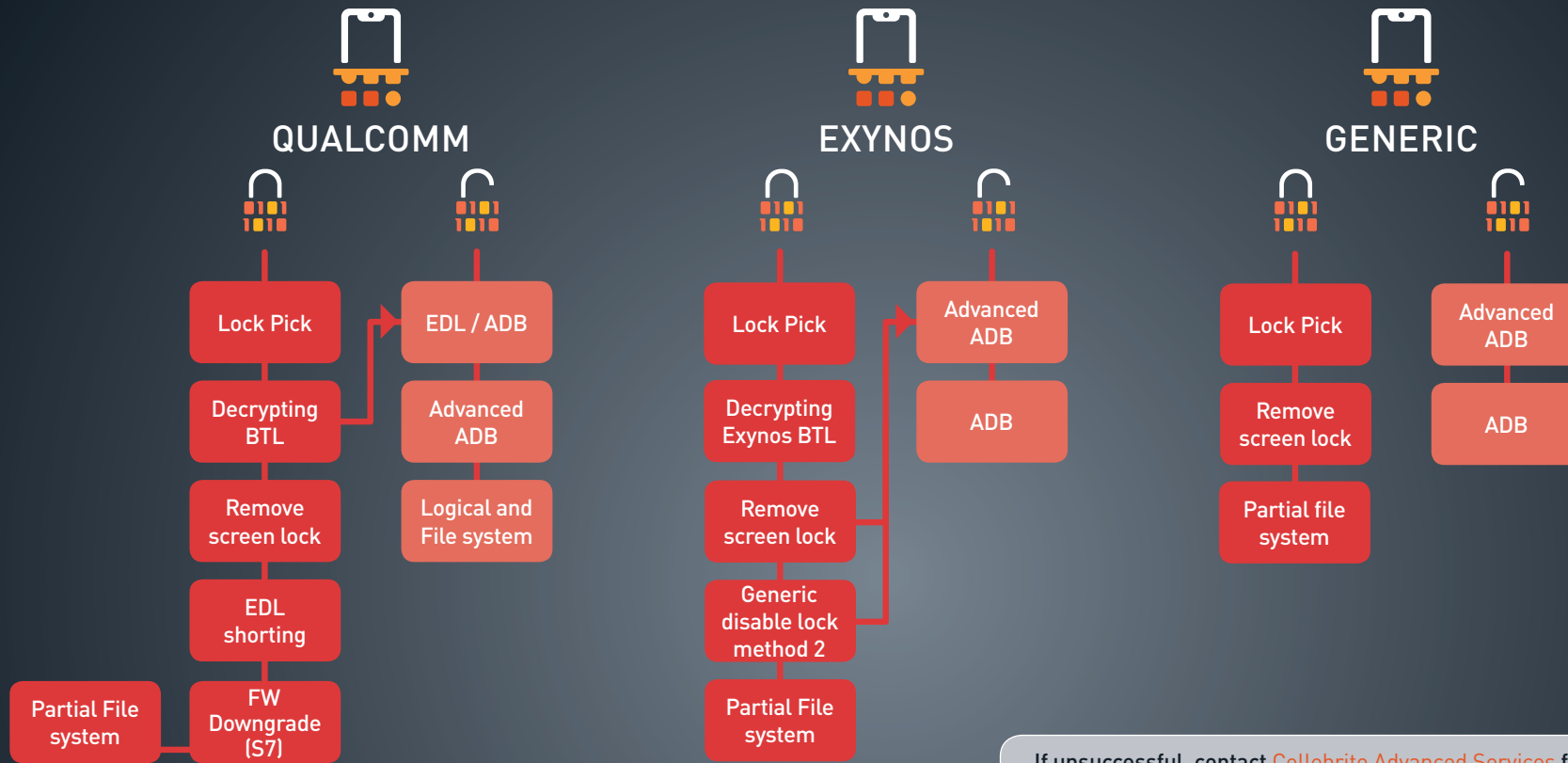
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CAPABILITY NAME	DESCRIPTION
Mediatek Decrypted Bootlader (MTK - BTL)	Generic decrypting bootlader for MTK chipsets 6737, 6753, 6735, 6580, 6797, 6755, 6757 & 6750
Huawei Decrypted Bootlader (BTL)	Huawei physical bypass with Encryption bypass for Kirin chipsets 620, 650, 655, 658, 659, 930, 935, 950, 955 & 960
Decrypting Bootlader EDL	Generic physical extraction, and bypass capability for Qualcomm based Samsung devices
Bootlader (BTL)	Huawei physical bypass for Kirin chipsets 610, 910, 920, 925, 930 & 935
Physical Bypass lock	Huawei Qualcomm 8939 physical bypass



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CAPABILITY NAME	DESCRIPTION
Lock Pick	Generic lock screen bypass for Android devices running OS version 6 and above with security patch older than August 2018
Mediatek Decrypting Bootlader (MTK - BTL)	Generic decrypting bootlader for MTK chipsets 6737, 6753, 6735, 6580, 6797, 6755, 6757 & 6750
LG EDL	Generic physical extraction, and bypass capability for Qualcomm based LG devices. Supported chipsets are: 8909, 8916, 8936, 8939 & 8952
Temporary Disable User lock	A temporary LG disable user lock
Disable User lock	LG disable user lock- permanent
Bootlader (LAF)	LG Advanced Flash (LAF) is a simple request/response protocol operating over USB. The download mode offered by various LG models. Enables Physical bypass and Disable user lock



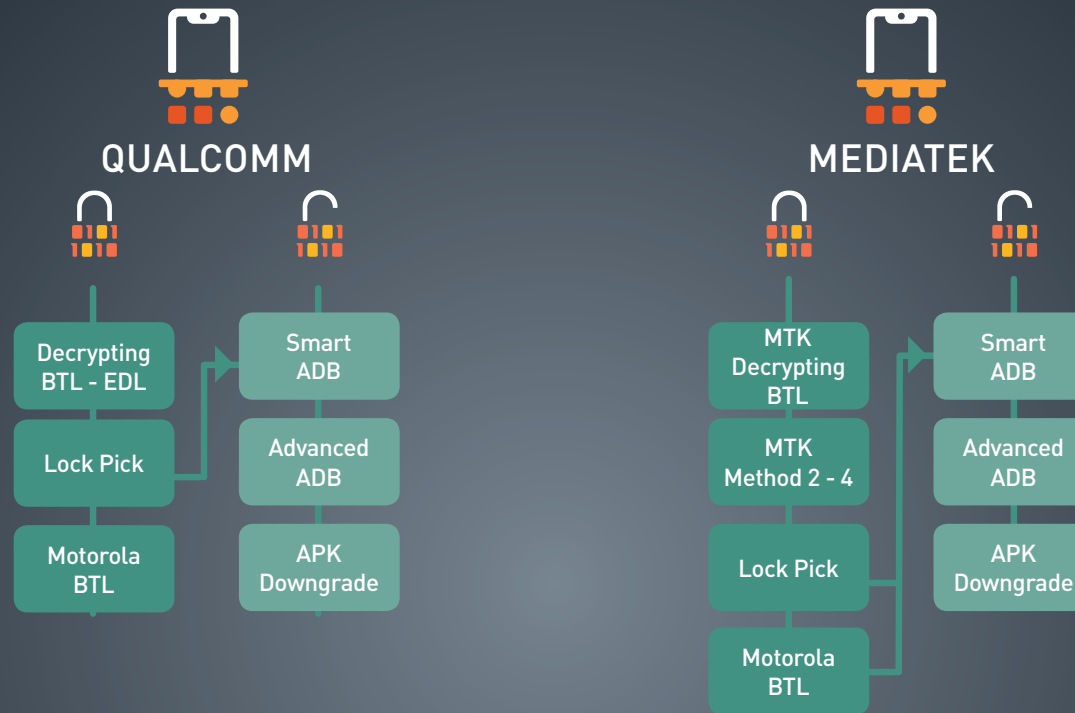
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CAPABILITY NAME	DESCRIPTION
Lock Pick	Generic lock screen bypass for Android devices running OS version 6 and above with security patch older than August 2018
Decrypting Exynos Bootloader	Generic physical extraction, and bypass capability for Exynos based Samsung devices
EDL (also Shorting)	Generic physical extraction, and bypass capability for Qualcomm based Samsung devices. Supported chipsets are: 8909, 8916, 8936, 8939 & 8952 Using this method we also support S7 Qualcomm
Remove Screen Lock	Generic Samsung unlock for Samsung devices, can be equipped with Qualcomm or Exynos
FW Downgrade	Samsung S7 Qualcomm capability. Supported are 9 models
Bootloader Qualcomm	Physical bypass for Qualcomm based Samsung devices
Bootloader Exynos	Physical bypass for Exynos based Samsung devices. Supported chipsets are: 3475, 5410/20/30/33, 7420, 7580, 7880 & 8890
Partial File System	Lock bypass partial file system extraction. Closed in most cases
Disable User lock – Method 2	Screen lock disable and enable



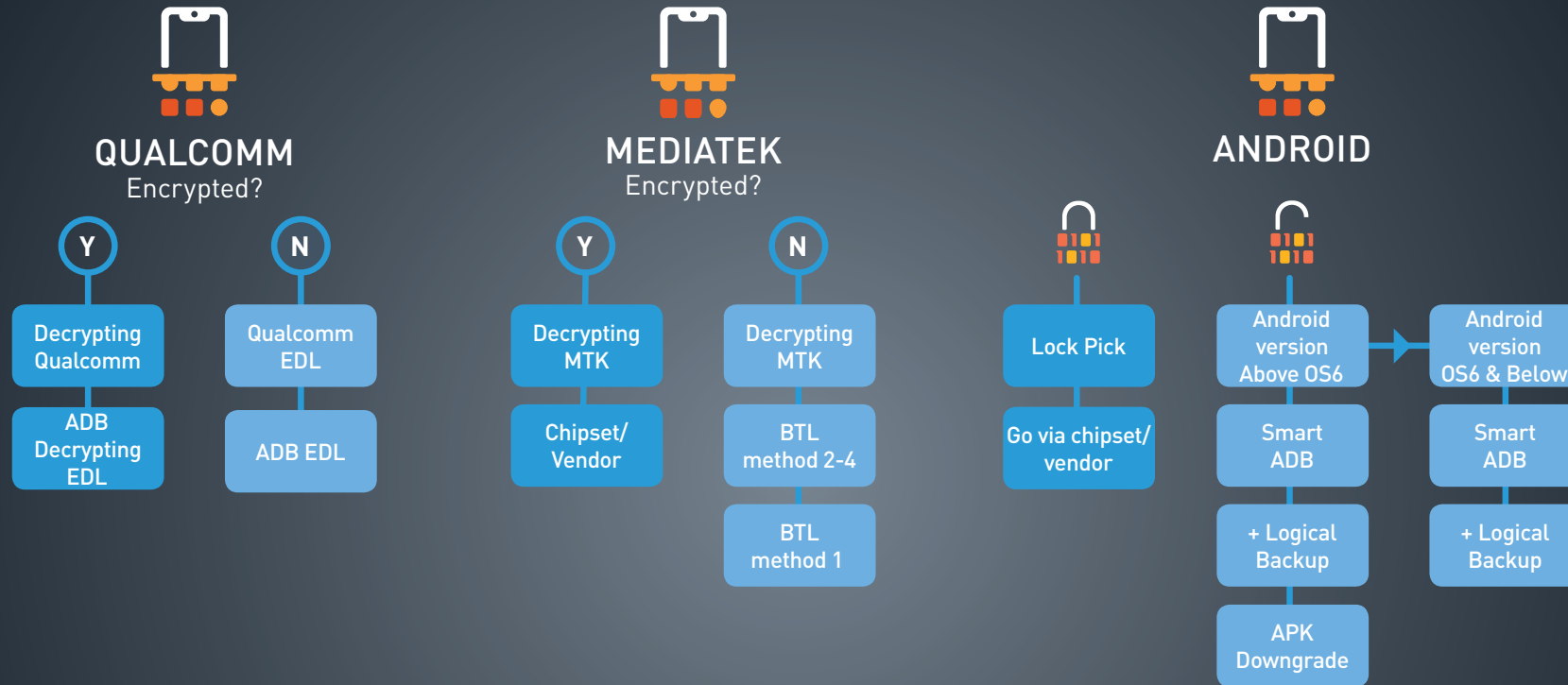
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CAPABILITY NAME	DESCRIPTION
EDL Decrypting Bootloader	Generic physical extraction, and bypass capability for Encrypted Qualcomm based devices. Generic supported chipsets are: 8909, 8916, 8936, 8939 & 8952. Supported chipset per model: 8917, 8937, 8940, 8953 & 8996
EDL Bootloader	Generic physical extraction, and bypass capability for Qualcomm based devices. Generic supported chipsets are: 8909, 8916, 8936, 8939 & 8952
MTK Decrypting Bootloader	Generic physical extraction, and bypass capability for Encrypted MTK based devices. Generic supported chipsets are: 6750, 6755, 6757, 6570, 6753, 6735, 6737, 6797 & 6580
MTK Bootloader method 2-4	Generic physical extraction, and bypass capability for MTK based devices. Generic supported chipsets are: 6795, 6260, 625A, 6592, 6572, 6571, 6752, 6582, 6595, 6261, 6573, 6583, 6753, 6735, 6737 & 6580



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CAPABILITY NAME	DESCRIPTION
Lock Pick	Generic android unlock for devices with Security patch older than August 2018
Smart ADB	Physical extraction for android devices running OS version 6 and above. Device need to be OTG compatible Device need to be OTG compatible
Advanced ADB	Physical extraction for android devices with security patch older than November 2016
Motorola Bootloader	Physical extraction with bypass lock to 40 Motorola devices
Qualcomm Decrypting Bootloader EDL	Generic physical extraction, and bypass capability for Encrypted Qualcomm based devices. Generic supported chipsets are: 8909, 8916, 8936, 8939 & 8952. Supported chipset per model: 8917, 8937, 8940, 8953 & 8996
Qualcomm Bootloader EDL	LG Advanced Flash (LAF) is a simple request/response protocol operating over USB. The download mode offered by various LG models. Enables Physical bypass and Disable user lock
MTK Decrypting Bootloader	Generic physical extraction, and bypass capability for Encrypted MTK based devices. Generic supported chipsets are: 6750, 6755, 6757, 6570, 6753, 6735, 6737, 6797 & 6580
MTK Bootloader Method 2 - 4	Generic physical extraction, and bypass capability for MTK based devices. Generic supported chipsets are: 6753, 6735, 6737 & 6580



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CAPABILITY NAME	DESCRIPTION
Lock Pick	Generic lock screen bypass for Android devices running OS version 6 and above with security patch older than August 2018
Mediatek Unencrypted Chipsets	6753, 6735, 6737, 6580, 6795, 6260, 625A, 6592, 6572, 6571, 6752, 6582, 6595, 6261, 6573 & 6583
Qualcomm Decrypting Bootloader EDL	Generic physical extraction, and bypass capability for Encrypted Qualcomm based devices. Generic supported chipsets are: 8909, 8916, 8936, 8939 & 8952. Supported chipset per model: 8917, 8937, 8940, 8953 & 8996
Bootloader EDL	Generic physical extraction, and bypass capability for Qualcomm based devices. Generic supported chipsets are: 8909, 8916, 8936, 8939 & 8952
Bootloader Qualcomm	Physical bypass for Qualcomm based Samsung devices
APK Downgrade	Generic android capability from android OS version 5 to 9 that downgrade encrypted applications to get full backup (file system)