

Android Photos Media And Metadata

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ANDROIDPHOTOS & MEDIA · A GUIDE FOR UK LAWYERSAndroid Photos, Media and MetadataThe Gallery, the Media Store, Google Photos and the SD Card: Where anAndroid Image Lives, and What It RecordsCOMPUTER FORENSICS LAB§ ABOUT THE AUTHORPREPARED BY COMPUTER FORENSICS LAB E-DISCOVERY TEAMFULL CHAIN-OF-CUSTODY DOCUMENTATION§ CONTENTSIn this guide01 Executive summary02 The problem in plain English: the same picture, more places03 Where Android images live04 The media store and Google Photos05 Removable storage: the SD card06 Reading metadata, location and dates honestly07 Deployment: recovering and placing images08 Source architecture: where else the evidence lives09 Worked examples10 Common mistakes and technical limitations11 Questions to ask · Suggested wording12 Checklist and red flags · When to involve a digital forensic expert13 Frequently asked questions14 Glossary · References · Disclaimer · How a specialist laboratory can assist§ 01 · ORIENTATIONExecutive summaryThe headline point: an Android photograph records the same when, where and on-what as an iPhone's andphotograph.§ 02 · FIRST PRINCIPLEThe problem in plain English: the same picture, more places§ 03 · WHEREIMAGESLIVEWhere Android images live§ 04 · MEDIASTOREANDGOOGLEPHOTOSThe media store and Google Photos§ 05 · THESDCARDRemovable storage: the SD card§ 06 · HONESTREADINGReading metadata, location and dates honestly§ 07 · DEPLOYMENTDeployment: recovering and placing images§ 08 · THEWIDERMAPSSource architecture: where else the evidence livesEVIDENCE STORE / SD CARD COPIES /PHONE GOOGLE BACKUP S /FILES PHOTOS MAKER CLOUDMEDIA SHARE DTRASH PLATFORMS§ 09 · IN THE WILDWorked examplesEXAMPLE1 · THEDELETEDPHOTOSFOUNDINTHEINDEXANDTHECLOUDEEXAMPLE2 · THESDCARDTHATTHESEALEDPHONECOULDNOTPROTECTEXAMPLE3 · THEDATETHATMEANTSOMETHINGELSE§ 10 · WHEREITGOESWRONGCommon mistakes and technical limitationsCommon mistakesTechnical limitations§ 11 · INTERROGATORIES & DRAFTING AIDSQuestions to ask · Suggested wordingAsk your clientAsk your opponentAsk your e Discovery / forensic providerSUGGESTED WORDING · INSTRUCTIONFORANANDROIDMEDIAANA LY SIS§ 12 · QUICK CONTROLChecklist and red flags · When to involve a digital forensicexpertThe Android media checklistRed flagsWhen to involve a digital forensic expert§ 13 · COMMON QUESTIONSFrequently asked questionsHow is an Android photo different from an iPhone photo, forensic all y?What is the media store?Can deleted photos be recovered from an Android phone?Does the SD card matter?Which date on a photo is the real one?We only have a photo someone sent us. Is that enough?§ 14 · REFERENCEGlossarySources and authoritative referencesDISCLAIMER§ HOW A SPECIALIST LABORATORY CAN ASSISTWorking with Computer Forensics LabSpeak to a forensic examiner, not a salesperson.INSTRUCTTHELABNEWENQUIRIESEMAILE - DISCOVERY

Questions and answers

How is an Android photo different from an iPhone photo, forensic all y?

The picture records the same things; it lives in more places (

What is the media store?

Android's index of every media file on the device (

Which date on a photo is the real one?

It depends what is being asked, because there are several (

We only have a photo someone sent us. Is that enough?

It is a start, but the device original is far better (

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