MacOS Enterprise Management And MDM Artefacts

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ENTERPRISE MANAGEMENT & MDM · A GUIDE FOR UK LAWYERSmacOS Enterprise Management and MDMArtefactsThe Managed Mac: Central Control, Central Records, and the Route Around aLocked DeviceCOMPUTER FORENSICS LAB§ ABOUT THE AUTHORPREPARED BY COMPUTER FORENSICS LAB E-DISCOVERY TEAMMANAGED-DEVICE ACCESS & LOGS CPR PART 35 EXPERT REPORT SFULL CHAIN-OF-CUSTODY DOCUMENTATION§ CONTENTSIn this guide01 Executive summary02 The problem in plain English: the managed Mac is not alone03 How managed Macs and MDM work04 Management artefacts on the device05 What the MDM console holds06 Lawful access, authority and honest limits07 Deployment: evidence, access and the locked device08 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: most workplace Macs are managed through MDM, which leaves artefacts on the devicedevice.§ 02 · FIRST PRINCIPLESThe problem in plain English: the managed Mac is not alone§ 03 · HOW IT WORK SHow managed Macs and MDM workENROL PROFILES DEPLOY CONTROL CONSOLE RECORD§ 04 · ARTEFACTSONTHEDEVICEManagement artefacts on the device§ 05 · WHATTHECONSOLEHOLDSWhat the MDM console holds§ 06 · LAWFULACCESSANDHONESTLIMITSLawful access, authority and honest limits§ 07 · DEPLOYMENTDeployment: evidence, access and the locked device§ 08 · THEWIDERMAPSource architecture: where else the evidence livesEVIDENCE (CLOUD/MAIL/ LOCKED/MANAGED MDM DIRECTORY / BACKUPS /MAC CONSOLE IDENTIT Y SNAPSHOTSORG SYSTEMS IF DEVICENET) WIPED§ 09 · IN THE WILDWorked examplesEXAMPLE1 · THELOCKEDMANAGEDMACTHECONSOLEOPENEDEXAMPLE2 · THECONSOLERECORDTHATTOLDTHEFULLERSTORYEXAMPLE3 · THEAUTHORITYTHATHADTOBERESPECTED§ 10 · WHEREITGOESWRONGCommon mistakes and technical limitationsCommon mistakesTechnical limitations§ 11 · INTERROGATORIES & DRAFTING AIDSQuestions to ask · Suggested wordingAsk your clientAsk your opponent (or the or g an is at i on)Ask your e Discovery / forensic providerSUGGESTED WORDING · INSTRUCTION FOR AN ENTERPRISE - MANAGEMENT ANALYSIS§ 12 · QUICK CONTROLChecklist and red flags · When to involve a digital forensicexpertThe enterprise-management checklistRed flagsWhen to involve a digital forensic expert§ 13 · COMMON QUESTIONSFrequently asked questionsWhy does it matter whether a Mac is managed?The company Mac is locked. Can we still get in?What does the MDM console actually hold?Can the employer just access everything on the Mac?The device was remotely wiped. Is everything gone?How does a managed Mac connect to the wider case?§ 14 ·

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Questions and answers

Why does it matter whether a Mac is managed?

Because it changes everything about evidence and access (

What does the MDM console actually hold?

A central, independent record of the device (

The device was remotely wiped. Is everything gone?

The local data may be, but the record often is not (

How does a managed Mac connect to the wider case?

Through the enterprise estate it belongs to (