

File Wiping Anti Forensics And The Evidence They Leave Behind

Anti-forensics actions, such as file wiping or device resets, are acts that leave behind examinable traces. This guide details the techniques, the evidence they create, and what survives, helping practitioners understand the consequences of deliberate data destruction.

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ANTI - FORENSICS · A GUIDE FOR UK LAWYERS File Wiping, Anti-Forensics and the Evidence They Leave Behind When the Attempt to Destroy Evidence Becomes the Evidence
COMPUTER FORENSICS LAB

§ ABOUT THE AUTHOR PREPARED BY COMPUTER FORENSICS LAB E-DISCOVERY TEAM
ESTABLISHED 2007 · LONDON ISO 17025-ALIGNED PROCEDURES ANTI-FORENSICS
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§ 01 · ORIENTATION Executive summary THE HEADLINE POINT: ANTI - FORENSICS DESTROYS CONTENT AND CREATES EVIDENCE OF DESTRUCTION: THE EXAMINATION READS THE TOOL, THE EXECUTION, THE EXTENT AND THE TIMING, STATES HONESTLY WHAT IS GONE, AND LETS THE COURT DRAW THE INFERENCE THAT DELIBERATE DESTRUCTION AFTER A DUTY AROSE INVITES

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+ + PHYSICAL + SHADOW DEVICE ESTATE WIPED / ARTEFACTS REDUNDANCY
UNRECOVERABLE PLATFORM BEHAVIOURAL JOURNALS RECORDS LAYER COPIES

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§ HOW A SPECIALIST LABORATORY CAN ASSIST Working with Computer Forensics Lab
Speak to a forensic examiner, not a salesperson. INSTRUCTTHELAB
NEWENQUIRIESEMAILE - DISCOVERY

Questions and answers

The other side's laptop is completely empty. Can anything be recovered?

From wiped regions, honestly, no (§6); from what the tool missed (journals, shadow copies, alternate streams) and from the estate the party did not control (syncs, backups, counterparts), frequently a great deal (Example 1's 1,100 files). And the wipe itself, dated and scoped from the tool's artefacts, is often worth more than the content: courts infer against destroyers.

Can an expert tell the difference between routine clean-up and deliberate destruction?

Usually: routine tools run on schedules with long histories, target predictable locations and pre-date the dispute (Example 3); deliberate destruction is installed recently, executed in bursts, targets the disputed material selectively, and clusters around the duty date (Example 1): §7's timing and selectivity, with the journal showing whether bulk deletion preceded the run.

A phone was factory-reset before hand over. Is the evidence gone?

The device's contents, largely; the case, rarely: the reset is timestamped in firm ware and re-enrolment records, pre-reset cloud backups often survive (Example 2), counterparties hold their copies of every message, and the platform logged the account's activity. The reset becomes the exhibit; the backup becomes the evidence.

What if the data was encrypted rather than wiped?

Encryption conceals rather than destroys: the enablement is dated (§5), the data exists, and the withholding of keys after an order is a conduct question with serious consequences (guides 117-118): distinct from the technical impossibility of decryption, which the examiner states honestly. The court is told when, and asked to draw the conclusion.

How should we warn a client not to do any of this?

Explicitly, in the hold notice, naming the acts (cleaning tools, resets, reinstalls, encryption, account deletion, clock changes), stating that they are traceable, and setting out the consequences: §11's paragraph. Clients under hold destroy evidence far more often from ignorance of the traces than from calculated risk; the warning removes the ignorance.

Is running a wiping tool a criminal offence?

It can be, where it is done to pervert the course of justice in criminal proceedings, and in regulated contexts destruction of records may breach statutory duties: the civil consequences (adverse inference, strike-out, contempt where an order is breached) arise far more commonly and are severe in themselves (§7). The finding is evidenced the same way which ever track it reaches, and specialist advice is taken on the criminal edge. cflab. u k · e-discovery. u k ©2026 Computer Forensics Lab Ltd · cflab.uk · e-discovery.uk · info@cflab.uk · +44 (0)20 7164 6915 Page 15 of 17

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