ELCOMSOFT
DESKTOP, MOBILE & CLOUD FORENSICS

RELEASE NOTES
December 2020

Elcomsoft iOS Forensic Toolkit
Version 6.60

Elcomsoft iOS Forensic Toolkit helps forensic experts perform physical and logical acquisition of iOS devices, by imaging device file system, extracting device secrets (passwords, encryption keys and protected data) and decrypting the file system image.

Summary

Elcomsoft iOS Forensic Toolkit 6.60 extends the coverage for jailbreak-free extraction from iOS 9.0 all the way through iOS 13.7, adding support to the last versions of iOS 13 ever released. The new release expands the availability of the extraction agent, adding full file system and keychain decryption support for previously unsupported versions of iOS 13.5.1 to 13.7 on all compatible iPhone and iPad devices.

Essential updates

File system extraction and keychain decryption for iOS 9.0–13.7

In Elcomsoft iOS Forensic Toolkit 6.60, we implemented jailbreak-free extraction to support the last remaining versions of iOS 13. The new release supports agent-based file system extraction and keychain decryption in the full range of iOS releases since iOS 9.0 all the way up to iOS 13.7 with no gaps or exclusions.

Support for a range of devices from iPhone 6s to iPhone Pro Max

All other devices starting with the iPhone 6s through iPhone 11 Pro Max are also fully supported without a jailbreak if they are running any version of iOS between iOS 9.0 through iOS 13.7. For these devices, iOS Forensic Toolkit can pull the file system image, extract and decrypt the keychain in a forensically sound way and without the need to install a jailbreak.

Extended logical acquisition support for A14 devices

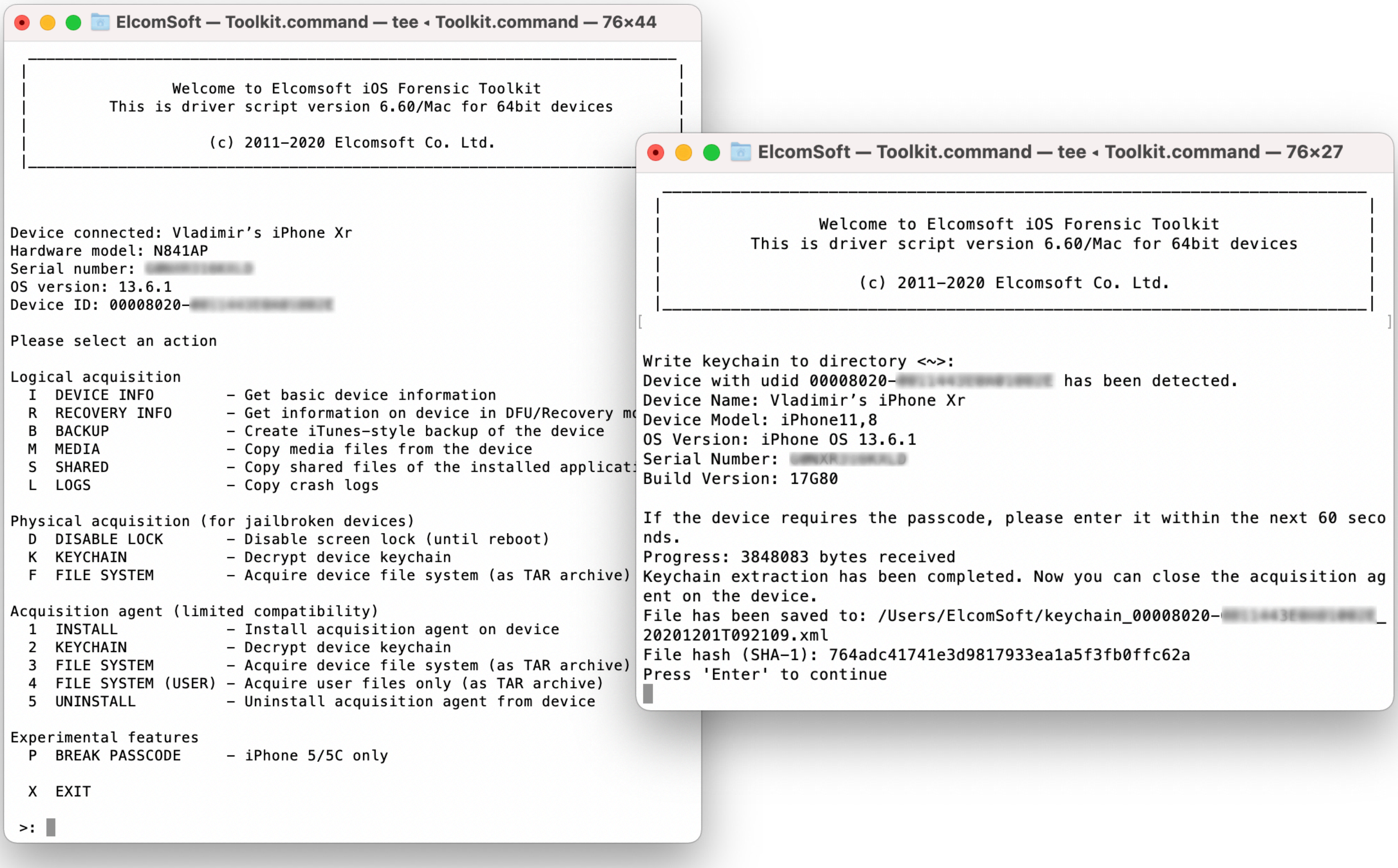
Devices equipped with A14 Bionic are fully supported without a jailbreak through extended logical acquisition. Supported models include the entire iPhone 12 range and the new iPad Air regardless of the iOS version. Extended logical acquisition can pull a local backup, extract media files regardless of backup encryption password, and gain access to certain system logs and app shared files.

Agent-based extraction

Agent-based extraction offers numerous benefits compared to all other extraction method. The agent does not make any changes to user data, offering forensically sound extraction without requiring Internet access on the device and without the risk of bricking. Using an Apple ID registered in Apple's Developer Program is strongly recommended for installing the agent. More about that in our blog article *Why Mobile Forensic Specialists Need a Developer Account with Apple*. A workaround is available to Mac users; more details in the blog article.

Version 6.60 change log

- Added support for iOS 13.5.1 to 13.7 in agent-based acquisition
- Improved overall agent-based acquisition stability and performance
- Improved support for iPhone 12 and new iPad Air models (extended logical acquisition only)
- Improved support for iOS 14.2 (extended logical acquisition only)
- Fixed some problems when the product path contains spaces
- Mac version of the product is now distributed as password-protected DMG image
- Added support for extended logical acquisition of A14 Bionic devices including the iPhone 12 range and the new iPad Air


ElcomSoft — Toolkit.command — tee ◂ Toolkit.command — 76×44
ElcomSoft — Toolkit.command — tee ◂ Toolkit.command — 76×27

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 ___________________________________________________________________________
|                                                                           |
|                Welcome to Elcomsoft iOS Forensic Toolkit                  |
|         This is driver script version 6.60/Mac for 64bit devices          |
|                                                                           |
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|___________________________________________________________________________


Device connected: Vladimir’s iPhone Xr
Hardware model: N841AP
Serial number: [redacted]
OS version: 13.6.1
Device ID: 00008020-[redacted]

Please select an action

Logical acquisition
  I  DEVICE INFO        - Get basic device information
  R  RECOVERY INFO      - Get information on device in DFU/Recovery mc
  B  BACKUP             - Create iTunes-style backup of the device
  M  MEDIA              - Copy media files from the device
  S  SHARED             - Copy shared files of the installed applicati
  L  LOGS               - Copy crash logs

Physical acquisition (for jailbroken devices)
  D  DISABLE LOCK       - Disable screen lock (until reboot)
  K  KEYCHAIN           - Decrypt device keychain
  F  FILE SYSTEM        - Acquire device file system (as TAR archive)

Acquisition agent (limited compatibility)
  1  INSTALL            - Install acquisition agent on device
  2  KEYCHAIN           - Decrypt device keychain
  3  FILE SYSTEM        - Acquire device file system (as TAR archive)
  4  FILE SYSTEM (USER) - Acquire user files only (as TAR archive)
  5  UNINSTALL          - Uninstall acquisition agent from device

Experimental features
  P  BREAK PASSCODE     - iPhone 5/5C only

  X  EXIT

 >:
```

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 ___________________________________________________________________________
|                                                                           |
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|                                                                           |
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|___________________________________________________________________________|


Write keychain to directory <~>:
Device with udid 00008020-[redacted] has been detected.
Device Name: Vladimir’s iPhone Xr
Device Model: iPhone11,8
OS Version: iPhone OS 13.6.1
Serial Number: [redacted]
Build Version: 17G80

If the device requires the passcode, please enter it within the next 60 seco
nds.
Progress: 3848083 bytes received
Keychain extraction has been completed. Now you can close the acquisition ag
ent on the device.
File has been saved to: /Users/ElcomSoft/keychain_00008020-[redacted]_
20201201T092109.xml
File hash (SHA-1): 764adc41741e3d9817933ea1a5f3fb0ffc62a
Press 'Enter' to continue
```

Steps to renew

1. All active users of Elcomsoft iOS Forensic Toolkit are invited to obtain the new version 6.60 by entering product registration key in the online form: https://www.elcomsoft.com/key.html
2. Users having an expired license of Elcomsoft iOS Forensic Toolkit are welcome to renew their license at corresponding cost that is available by entering registration key in the online form: https://www.elcomsoft.com/key.html.

Contact us at sales@elcomsoft.com for any further questions on updating and license renewing.