

SPF Pro (SmartPhone Forensic System Professional)

1 Capabilities

1.1 Key Features

- ★ Automatically detect smartphone brand & model, and recommend best extraction solutions.
- ★ Automatically analysis large quantities of disparate mobile data to identify user patterns and reveal personas connections including identification, social connection, financial information, geo location, categorization, etc.
- ★ Multi-tasking, support up to 16 tasks running simultaneously.
- ★ Intelligent analysis, automatically alert the user when sensitive data is detected. Analysis items include keywords, APP, URL, Phone, MD5.
- ★ Tasks can be dragged to different screens if multiple monitors are installed.
- ★ Fully automatic backup and extraction process for Huawei, Xiaomi, OPPO, ZTE smartphones.
- ★ Multiple filtering options, including time, status, App, mark, keywords and Regex.
- ★ File explorer for Android and iOS, supports to view, search, preview and export files saved on smartphones.
- ★ Intelligent processing for WeChat & QQ, remove invalid or duplicated data.
- ★ Support extracting data from various kinds of operating systems like Android, iOS, Yun OS, Tizen, BlackBerry, WebOS, Windows, Symbian, Palm, BADA, Windows Mobile, MTF, Spreadtrum, and other Chinese operating systems.
- ★ Physical extraction from Tizen smartphones.
- ★ Physical extraction from part of Samsung, Huawei, OPPO's models without root access.
- ★ Support iPhone data extraction, support list is updated to iPhone11;
- ★ Physical extraction from part of the smartphones equipped with Qualcomm chipsets.
- ★ Physical extraction from part of the smartphones equipped with MTK chipsets.

- ★ WeChat data extraction from PC client backup.
- ★ Downgrade APP data extraction and auto-analysis.
- ★ WhatsApp backup extraction, decrypt WhatsApp backup encryption.
- ★ Data to be extracted via USB, JTAG, MTP and ISP.
- ★ Extract data from phones with damaged USB port.
- ★ Support direct data extraction under third-party recovery mode.
- ★ Extract data from almost all Chinese smartphones and feature phones.
- ★ Data to be extracted via MTP includes image, audio and video.
- ★ Recover images, audio and video files from SD and TF card.
- ★ Extract data from SD and TF card via RAW Scanning;
- ★ Support data extraction/parsing from DD image file, UFED image file and Backup folder.
- ★ Break point resume, imaging process can be recovered and continued after unexpected interruption.
- ★ Support extracting data from rooted and unrooted Android Phone, and from jailbroken and non-jailbroken iPhone.
- ★ Support extracting data from phones locked by pin code, finger print and pattern lock.
- ★ Support direct data extraction with BootLoader Locked for certain models.
- ★ Recover signature file.
- ★ SQLite Master-Pro view.
- ★ Support screen lock removal for certain OPPO models.
- ★ Support data recovery from SMS/Contacts/Call Log and multiple APPs(such as Wechat/WhatsApp/Twitter, etc.);
- ★ Support file system extraction from iOS/Blackberry/WebOS/YunOS phones;
- ★ Support Call Log/Contacts/SMS fragmented data extraction;

1.2 Others

1. Software was developed by SalvationDATA and is available in both Chinese and English language.
2. Support multiple mobile phone brands including iPhone, Samsung, Huawei, Oppo, VIVO, MI, HTC, Blackberry, Nokia, Motorola, NEC, Dopod, Sony Ericsson, LG, ZTE, Lenovo, Meizu, Coolpad and other Chinese brands including

Chinese OEM manufacturer for overseas mobile brands;

3. Extract data from phones with damaged USB port.
4. Support data extraction from phone/SIM card/SD card/TF card/image file;
5. Support extracting SMS/contacts/call log from SIM card;
6. Support extracting image/audio/video/text/other types of information from external storage card;
7. Recover data from SIM/UIM card;
8. Support recovering fragment data/data decryption from QQ/Wechat/WhatsApp;
9. Support physical imaging for Android Phone as DD file and imaging by specific partition, and can extract the backup files (.ab) generated by ADB Backup.
10. Automatic acquisition of IMEI and MAC address;
11. Support extracting and recovering image/audio/video data from mobile phones;
12. Support extracting mobile phone basic information including device info, installed apps, contacts, call log, SMS, MMS, bluetooth, calendar, clock, WIFI, time of powering on/off, synchronized account;
13. Support extracting social App information, including WeChat, QQ, QQ Light, Enterprise QQ, Twitter, Sina Weibo, Skype, Telegram, WhatsApp, Zalo, Viber, Zello, Snapchat, LinkedIn, Instagram, Messenger, Coco, Facebook, LINE, Viber, etc; The extracted data can be marked;
14. Support extracting Browser information including Built-in Browser, UC Browser, QQ Browser, Opera, Chrome etc.;
15. Support extracting Email information including QQ Mailbox, NetEase Mail, Android Mail, Gmail, HTC Mail, Outlook etc.;
16. Support extracting Map information including Google Map, TencentMap, GEO Tags;
17. Support extracting data from various Lifestyle apps like Alipay, Google Drive, SoGouSearch, Ctrip, Tmall, Taobao, etc.;
18. Support cloud data extraction including Alipay, WeChat, QQ, iCloud, Baidu Drive, Google Drive, OneDrive, DJI Cloud, Huawei Cloud, etc.;
19. Support data decryption of Wechat/QQ, including chat log/audio/video/image;
20. Support displaying data in different ways;
21. Automatic identification of phone model, operation system etc.;
22. Support photo shooting for mobile phone;
23. Support screenshot capture for Android phones.

24. Support load task history with XAT file;
25. Open or import local CP format case file.
26. Device management, devices can be ejected, moved or deleted from cases.
27. Cases management, open/delete local cases.
28. Support details edit for current case.
29. System operation log, support to review or export logs.
30. Plug-in management, plug-in list and detail display.
31. Support customized intelligent analysis items, can add/edit/delete analysis items.
32. Forensic report in HTML/PDF format.
33. Forensic report customization with user-defined information.
34. Report filter, support to specify certain devices, Apps, marks, data to be included in the report.
35. MD5 calculation for smartphone files.

1.3 SPF Accessories (Optional choice, not by default)

Item	Qty.
Integrated Data Cable(USB Type A/Type C/iPhone5)	2
iPhone4 Data Cable	1
iPhone5 Data Cable	1
Mini USB Data Cable	1
SIM Card Reader	1
SIM Card Cover	2
SD Card Reader	1
Blank UIM Card	5
Blank SIM card	5
USB Drive	1
System Recovery USB Drive	1
Data Acquisition Tools	1

2. Hardware Specifications

(Optional choice, for hardware version only, not by default)

XLY-DP920 is a professional smartphone forensic workstation designed by SalvationDATA. With 8 channel high-speed smartphone extraction interfaces, integrated write-blocking interfaces including SATA, USB 3.0, SD reader, our design philosophy is to offer professional, efficient, one-stop smartphone forensic solution to the DFIR community.



Dimensions

- Mainframe: 423mm*442mm*330mm (L*W*H)
- Monitor: Double 23.8-inch, IPS HD monitor.

Specifications

- CPU: Intel Core i7-7700, 3.6 GHz, 4 cores, 8 threads
- Memory: 32GB DDR3, 1600MHz
- System Drive: 120GB SSD
- Data Drive: 6TB HDD, 7200rpm
- Monitor: Duel-monitor, 23.8-inch, 1920*1080, 1080P HD
- OS: Windows10 Professional

Interfaces

- 8 USB forensic ports, support up to 8 smartphone extraction tasks running

simultaneously.

- Integrated multi-function write-blocker, including USB 3.0 R/O*1, memory card reader R/O*1 (TF, SD, CF, XD, MS), IDE R/O*1, SATA R/O*1
- 3.5' SATA R/W HDD bay, quick and easy transfer for big data
- Other R/W interfaces: USB 3.0 *5, USB 2.0*2, audio I/O HAD*1, RJ45*1

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