What's New

HstEx® Version 5.8



Release Notes for NetAnalysis® Version 3.8

HstEx® Version 5.8 - Advanced SQLite Record Recovery

We're delighted to introduce HstEx® version 5.8, another milestone in our relentless pursuit of excellence in digital forensic solutions. This release is meticulously crafted to enhance your investigative capabilities, ensuring you extract crucial digital evidence with unparalleled precision and efficiency. Here are the key highlights of this release:

- Cutting-Edge Browser Support: HstEx® v5.8 features comprehensive support for the latest browsers, enabling you to dissect digital artifacts across a multitude of browsing platforms with utmost accuracy.
- Advanced SQLite Record Recovery: We have expanded our support for the recovery of essential SQLite records through advanced carving techniques, empowering you to unearth critical insights from even the most intricate digital landscapes.
- Expanded Browser Version Coverage: With the addition of 24 new browser versions spanning both mobile and desktop platforms, HstEx® v5.8 offers an extensive arsenal for forensic investigation, ensuring no digital trail goes unnoticed.
- Enhanced Mozilla Firefox Cookie Recovery: Our efforts to refine the recovery of Mozilla Firefox Cookies have borne fruit in this release, providing you with enhanced capabilities to extract valuable data from this crucial artefact.
- Refined Search Capability: We have fine-tuned our search capability for improved detection and recovery, enhancing the identification of
 pertinent digital evidence.
- Optimised SQLite Record Recovery: Building upon our commitment to excellence, we have further improved our SQLite record recovery
 mechanism, enhancing the precision and reliability of data extraction.

1 ID	Evidence	Case				
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Info	Selected for processing: Op	pera Crypto Browser v0 - 107 Sin	nple Cache Entries			
Info	Selected for processing: Op	pera Crypto Browser v0 - 107 Lo	gin Stats Entries			
Info	Selected for processing: Op	pera Crypto Browser v0 - 107 Qu	ota Usage Entries			
Info	Selected for processing: Op	pera Crypto Browser v0 - 107 W	bKit Cache Entries (iC	os)		
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Info	Recovery block size set to:	512 sectors				
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Change Log

The full list of changes can be found here: HstEx® v5.8 Change Log.

Release Notes for NetAnalysis® Version 3.8

Don't forget to review the new features and updates in NetAnalysis®. Release notes and change log can be found here: NetAnalysis v3.8.

HstEx® Version 5.7



- HstEx® v5.7: Deep Dive into Unstructured Data
 - Enhanced Browser Coverage:
 - Recovery Refinements:
 - Change Log
 - Release Notes for NetAnalysis® Version 3.7

HstEx® v5.7: Deep Dive into Unstructured Data

Get ready to delve deeper into the digital landscape with HstEx® v5.7! This powerful update expands your forensic reach and refines data recovery capabilities, working seamlessly alongside NetAnalysis® for a comprehensive view of user activity. This latest iteration elevates your investigative prowess, extending data recovery capabilities and seamlessly integrating with NetAnalysis® for a comprehensive browser forensic toolkit. With enhanced browser coverage across various platforms, HstEx® ensures you stay ahead of evolving digital landscapes.

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Enhanced Browser Coverage:

Stay ahead of the curve with support for an additional 125 browser versions, encompassing all the latest changes to popular browsers. No matter what platform or browser your investigation encounters, HstEx® v5.7 has you covered.

Recovery Refinements:

- Improved SQLite Record Recovery: Our latest update boasts a revolutionary enhancement to our unique recovery engine, allowing NetAnalysis® v3.7 and HstEx® v5.7 to effortlessly extract SQLite records from unstructured data like never before. Experience the unparalleled precision and depth of analysis that sets our forensic tools leagues ahead of the competition.
- Expanded Support for Apple Safari Tab Entries: Explore deeper insights into Safari on iOS and macOS with our latest update, now featuring enhanced recovery capabilities for Apple Safari Tab entries.
- Enhanced Compatibility with Dolphin Browser: Unveiling expanded support for Dolphin Browser on both Android and iOS platforms.
- Opera v106 Cookies: Extract more valuable evidence with improved recovery of cookies from Opera v106, providing deeper insights into browsing history and preferences.
- Samsung Internet Browser v23 (Android) Logins: Uncover hidden credentials with improved recovery of login data from Samsung Internet Browser v23 on Android devices, revealing potential access points and user accounts.
- Naver Whale v3.24 Downloads: Gain clearer visibility into downloaded files with enhanced recovery from Naver Whale v3.24, streamlining your analysis of downloaded content.
- Cc Cc v126 Downloads: Efficiently recover downloaded files from Cc Cc v126, providing a comprehensive understanding of user activity within this popular Vietnamese browser.

Remember

HstEx® works hand-in-hand with NetAnalysis®, offering a combined solution for in-depth browser forensics. Recover individual records and files from unstructured data across various platforms, including Android, iOS, Windows, macOS, Linux, portable, and stand-alone browsers. HstEx® v5.7: More than just data recovery, it's a gateway to deeper understanding.

Change Log

The full list of changes can be found here: HstEx® v5.7 Change Log.

Release Notes for NetAnalysis® Version 3.7

Don't forget to review the new features and updates in NetAnalysis®. Release notes and change log can be found here: NetAnalysis v3.7.

HstEx® Version 5.6



- Release Notes for HstEx® Version 5.6
- New Features
- Improvements
- Change Log
- Release Notes for NetAnalysis® Version 3.6

Release Notes for HstEx® Version 5.6

We are pleased to announce the release of HstEx® Version 5.6. This update brings you new features and support, ensuring that you have the latest tools at your disposal for effective digital forensic analysis and browser data recovery.

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www.digital-d	letective.net								Running		

New Features

In this release, we have introduced significant new features and support to enhance your forensic analysis capabilities:

- Support for Latest Browser Changes: HstEx® now includes support for all the changes present in the latest browsers, keeping you up-to-date with the ever-evolving digital landscape.
- Maxthon Browser v7 Support: We're excited to introduce support for Maxthon Browser v7 on Android, iOS, Windows and macOS, broadening your ability to recover browsing data on mobile and desktop platforms.

Improvements

We have also implemented important improvements to make your forensic analysis more efficient and effective:

- Enhanced Mobile Support: Enjoy a more effective forensic recovery experience on Android and iOS with numerous improvements tailored to these platforms.
- Improved Yandex on Android Chromium-based Simple Cache Recovery: Our enhancements in this area make it easier to recover valuable data from Yandex on Android Chromium-based Simple Cache.

Change Log

The full list of changes can be found here: HstEx® v5.6 Change Log.

Release Notes for NetAnalysis® Version 3.6

Don't forget to review the new features in NetAnalysis®. Release notes and change log can be found here: NetAnalysis v3.6.

HstEx® Version 5.5



- Release Notes for HstEx® Version 5.5
- New Features
- Improvements
- Change Log
- Release Notes for NetAnalysis® Version 3.5

Release Notes for HstEx® Version 5.5

We are pleased to announce the release of HstEx® Version 5.5, which includes improved handling of Expert Witness image files as well as improved carving of SQLite database entries. We have also added support for the changes in the latest browsers and made a number of changes to improve the performance of our unique search and recovery routines. You will be pleased with the results as HstEx® is the most comprehensive carver for recovering browser evidence available today.

The following screen shows a sample of some of the artefacts that are available for recovery.

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New Features

• Support for 87 new browser builds and associated data.

Improvements

- Improved recovery of carved SQLite cell records
- Improved recovery of Naver Whale on Android downloads entries
- Improved recovery of Chromium based keyword search term entries
- Improved recovery of Firefox on Linux history entries
- Improved recovery of Yandex on Linux cookie entries
- Improved recovery of Apple Safari cloud tab device entries

Change Log

The full list of changes can be found here: HstEx® v5.5 Change Log.

Release Notes for NetAnalysis® Version 3.5

Don't forget to review the new features in NetAnalysis®. Release notes and change log can be found here: NetAnalysis v3.5.

HstEx® Version 5.4



- Release Notes for HstEx® Version 5.4
- New Artefacts Recovered
- Improved Data Verification and Recovery Accuracy
- Improved Recovery of Specific Browser Data Entries
- New Browser Support
- UI Improvements
- Change Log
- Release Notes for NetAnalysis® Version 3.4

Release Notes for HstEx® Version 5.4

We are pleased to announce the release of HstEx® Version 5.4, which includes significant updates and improvements to our browser artefact recovery tool.

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1	ID-101202	CASE-20230303	Apple_iPhone S	E (A1723)		🔵 Running					
2	ID-103752	CASE-20230303	WDC WD30EFR	X-68EUZN0		Queued					
3	ID-103941	CASE-20230303	WDC WD5002A	ALX-00J37A0		Queued					
4	ID-104401	CASE-20230303	Hitachi HTS545	016B9A300		Queued					
atus	Message										
Info	Selected for processi	ng: Opera v2 - 96 History Entrie	s (iOS)								
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Info	Selected for processing: Naver Whale v0 - 3 Keyword Search Term Entries										
Info	Selected for processing: Naver Whale v0 - 3 WebKit Cache Entries (iOS)										
Info	Selected for processi	ng: Opera Mini v5 - 67 WebKit C	ache Entries (iOS)								
Info	Selected for processi	ng: Maxthon v4 - 6 WebKit Cach	e Entries (iOS)								
Info	Selected for processi	ng: Opera Crypto Browser v0 - (35 WebKit Cache Entri	ies (iOS)							
Info	Selected for processi	ng: Opera Crypto Browser v0 - (35 History Entries (iOS	5)							
Info	Recovery block size s	et to: 512 sectors									
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Info	Export Session Folder	: K:\OUTPUT\Apple_iPhone SE	A1723)\2023_03_03	_10_50_52_819							
Info	Available free space of	on export drive: 2.21 TB									
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	Offset 667,156,480	Possible 1,	468			Speed 2.15 GB/Minu	ite				

New Artefacts Recovered

HstEx® Version 5.4 now includes support for the recovery of 96 new artefacts, expanding our capabilities to recover data from a wider range of sources.

Improved Data Verification and Recovery Accuracy

We have implemented improvements to our data verification and recovery accuracy on carved artefacts, ensuring that recovered data is more reliable and accurate than ever before. Our unique Intelli-Carve® engine has been revised and improved.

Improved Recovery of Specific Browser Data Entries

HstEx® Version 5.4 includes improvements to the recovery of Yandex Login Data entries, Firefox on iOS Login entries, Microsoft Edge Collections entries, and Firefox History entries across all platforms. This means that users can now recover these types of data more easily and effectively.

New Browser Support

HstEx® Version 5.4 now supports the recovery of Brave on iOS History entries, Opera on iOS History entries, Opera Crypto Browser on iOS History entries, and Opera GX on iOS History entries, providing our users with more comprehensive coverage of browser artefact recovery. We have also included support for recovering Microsoft Edge Navigation History entries.

UI Improvements

We have improved the Recovery Job user interface by adding a toggle switch on the toolbar to allow selected recovery profiles to be displayed; this makes it much easier to identify which recovery profiles have been selected.

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Overall, HstEx® Version 5.4 represents a significant step forward in our efforts to provide the most comprehensive and effective browser artefact recovery tool on the market. We hope that our users will find these updates and improvements useful and we look forward to continuing to evolve and improve HstEx® in future releases.

Change Log

The full list of changes can be found here: HstEx® v5.4 Change Log.

Release Notes for NetAnalysis® Version 3.4

Don't forget to review the new features in NetAnalysis®. Release notes and change log can be found here: NetAnalysis v3.4.





- Introduction to HstEx® v5.3
- Change Log

Introduction to HstEx® v5.3

HstEx® version 5.3 adds support for 223 new artefacts. We have improved the recovery of entries from Chromium based Keyword Search Terms and Quota Manager.

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1 Info		le Chrome v1 - 107 Media Histor		n Entries				
1 Info	Selected for processing: Goog	gle Chrome v1 - 107 Media Histor	y Playback Entries					
(i) Info	Selected for processing: Goog	gle Chrome v1 - 107 WebKit Cad	ne Entries (iOS)					
(i) Info	Recovery block size set to: 51	12 sectors						
i Info	Data source selected: F:\201	0-03-15 - Sony Vaio Little\SonyV	aioLittle.E01					
i Info	Export Session Folder: K:\OU	TPUT\SonyVaioLittle\2022_11_0	1_16_26_18_676					
i Info	Available free space on expor	t drive: 4.89 TB						
i Info	Pass 1: Searching for data							-
								•
E Su	ummary Information							
▕₿▎゜	Source F:\2010-03-15 - Sony Va	aio Little\SonvVaioLittle.E01					55.89 GB	
	Export K:\OUTPUT						22 Minutes, 39	Seconds
	Offset 2,514,223,104	Possible 118,489				Recovered 0	2.36 GB/Minute	
www.digital	-detective.net							Running

Change Log

The full list of changes can be found here: HstEx® v5.3 Change Log.

HstEx® Version 5.2



New Browser Support

New Features

Change Log

New Browser Support

HstEx® version 5.2 adds further support for mobile and desktop browsers. We have added new support for:

- Dissenter Browser
- Maxthon Browser
- Mi Browser
- Mint Browser

New Features

• Mozilla Firefox Logins on Android and iOS

Change Log

The full list of changes can be found here: HstEx® v5.2 Change Log.

HstEx® Version 5.1



- Introduction to HstEx® v5.1
- New Recovery Profiles
- Recovering Zone.Identifier Alternate Data Streams
- Change Log

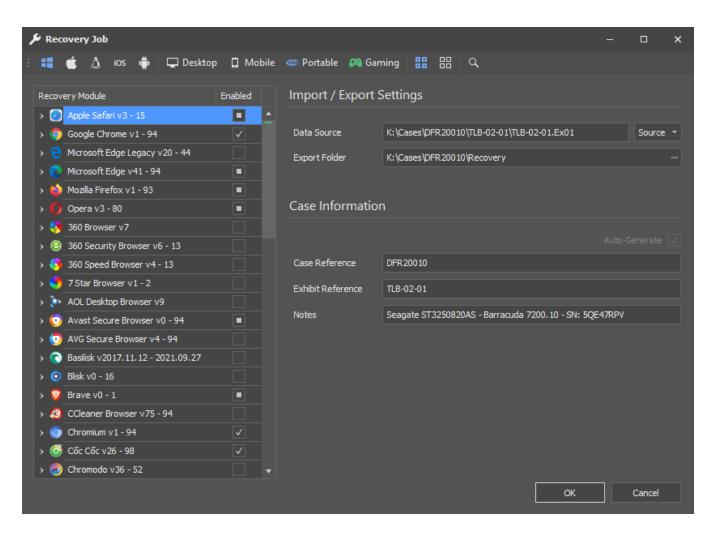
Introduction to HstEx[®] v5.1

HstEx® version 5.1 continues our quest to add further support for mobile browsers. This release adds four new browsers, namely 7 Star Browser, Na ver Whale, Opera Mini and Opera Touch. We have also added additional support for existing browsers and added 53 new recovery profiles. For a full list of the changes for this release, see: HstEx® v5.1 Change Log.

New Recovery Profiles

This release has added support for a number of new artefacts. Here are some of the highlights:

- Safari on iOS State Tab Entries
- Safari Cloud Tabs Entries
- Safari Cloud Tab Device
- Firefox on iOS History
- Firefox on iOS Bookmarks
- Firefox on Android History
- Firefox on Android Bookmarks
- UC Browser on Android Encrypted Login Entries



Recovering Zone.Identifier Alternate Data Streams

With this release of HstEx®, we have added the ability to search and recover MFT entries containing resident Zone.Identifier Alternate Data Streams. The Zone.Identifier stream, associated with a download, contains a rich store of properties that may be relevant to an investigation. NetAnalysis® provides an easy way to examine, and perform analysis on these streams. HstEx® allows an easy way to process an entire forensic image (or other source) recovering Zone.Identifier streams contained within live and deleted MFT entries. HstEx® can also recover this data even if the file has been deleted, the volume has been formatted, or the partition deleted.

Ø) Hst	Ex® v5	.1 - Forensic Data	a Recovery	- [DFR2001	l 0]						-		×
:	* N		ion 赌 Open 👻			Job 🗙 Dele	te Job 📘		💥 Tools -	🔹 🕜 Hel	lp -			එ Exit
Γ.	Job ID	Е,	idence	Case		Notes						Status		
1	\$ 1	π	B-02-01	DFR20010		Seagate ST32	250820AS -	Barracuda 7	200.10 - SN:	5QE47RPV		💛 Run	ning	
L														
L														
1	Status		Message											
	🚺 Inf	fo	Source image Gran	ularity: 64										
	🚺 Inf	fo	Source image Write	Blocker: Tab	leau									
	i) Inf	fo	Source image Drive	Type: Detad	hable									
	🚺 Inf	fo	Source image is Ph	ysical Disk: Tri	ue									
	i) Inf	fo	Selected for proces	ssing: Microso	oft Windows 2	Zone Identifier I	Entries							
	i) Inf	fo	Recovery block size	e set to: 512 :	sectors									
	i) Inf	fo	Data source select	ed: K:\Cases\	DFR 200 10 \T	LB-02-01\TLB-0	02-01.Ex01							
	🚺 Inf	fo	Export Session Fold	der: K:\Cases	DFR 200 10	Recovery\TLB-0	02-01\2021	_10_07_10_	_54_21_826					
	🚺 Inf	fo	Available free spac	e on export d	rive: 5.81 TE	3								
	🚺 Inf	fo	Pass 1: Searching f	for data										
Ŀ														•
	B,	Sum	mary Information											
	رت		rce K:\Cases\DFR	20010\TLB-0	2-01\TLB-02-	01.Ex01						232.83 GB		
			oort K:\Cases\DFR	20010\Recov	/ery							3 Seconds		
			fset 249,637,634 ,	048	Possible 31	14						7.20 GB/Minu	te	
w	ww.di	gital-de	tective.net										R	unning

Change Log

The full list of changes can be found here: HstEx® v5.1 Change Log.

📃 🛛 Unknown macro: 'seo-metadata'

HstEx® Version 5



- Introduction
- Adding/Editing Recovery Job
 New Source: Multi-Volume ZIP Archives
- Change Log



Introduction

Version 5 is a major release of HstEx® and adds new support for **mobile** and **portable** browsers. We have added **124 new recovery profiles** in this release and added support for browsers such as Mozilla Firefox on Android, SalamWeb and Samsung Internet browser on Android. The user interface has been completely re-written and adds major improvements and new features in a number of key areas. We have improved the layout of the user interface, with the goal of improving productivity, and added support for light and dark themes.

In combination with NetAnalysis®, both applications represent the most powerful, comprehensive browser forensic analysis suite available. However, don't just take our word for it, take it for a spin and see the powerful features in action.

	0 v5.0 - Forensic Data Recovery	- [DFR21137]				- 🗆 🗙
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Job ID	Evidence	Case	Notes		Status	
۶ 1	LRM-1	DFR21137	Dell Laptop seized from X3982		🔵 Runnin	g
2 4	ग्डा-1	DFR21137	Advent Laptop seized from X483	3	Queue	đ
Status	Message					
i Info	Source image MD5 Hash: A993A	08B073885784D4671AB8CD3BE1	6			
i Info		4C46CF25414AFA40EC15378D28				
1 Info	Source image GUID: 57D1EDE70	C36977C283878371CE579B4D				
1 Info	Source image Label: LEWIS - WI	N8				
i Info	Source image Total Sectors: 4,1	94,303				
1 Info	Source image Bytes per Sector:	512				
1 Info	Source image Compression: 1					
1 Info	Source image Granularity: 1					
 Info 	Source image Write Blocker: Uni	nown				
i Info	Source image Drive Type: Fixed					
1 Info	Source image is Physical Disk: Fa	alse				
i Info	Selected for processing: Google					
 Info 	Selected for processing: Google	Chrome v1 - 90 History Entries				
1 Info	Selected for processing: Google					
1 Info	Recovery block size set to: 512	sectors				
1 Info	Data source selected: F:\2012-:	10-04 - Lewis Windows 8\Lewis Wi	ndows 8.Ex01			
 Info 	Export Session Folder: J:\Cases	Lewis Windows 8\2021_05_21_1	1_06_17_312			
i Info	Available free space on export of					
i Info	Pass 1: Searching for data					
[•] ا	ummary Information Source F:\2012-10-04 - Lewis Win Export J:\Cases	dows 8\Lewis Windows 8.Ex01			Length 2.00 Time Left 10 Se	
	Offset 706,478,080	Possible 37,6	44 Verifying (ed 0 Speed 8.36	GB/Minute

Adding/Editing Recovery Job

In this release, we have added **124 new data recovery modules**. We have also added new toolbar buttons allowing the user to select recovery modules which are supported on the source operating system, or the type of device. This means you will only select the profiles you need for a quick, efficient and comprehensive recovery. You can select from Windows, macOS, Linux, iOS and Android along with Desktop, Mobile, Portable or Gaming devices as well as the most Common options. The Recovery Module grid now allows multiple levels of filtering, searching and sorting.

Your browser does not support the HTML5 video element

New Source: Multi-Volume ZIP Archives

We have added support for processing data contained within multi-volume ZIP archives. Anyone familiar with mobile phone analysis will immediately see the benefit of being able to select this file format. Multi-volume ZIP archives are often the output format used by Mobile Phone Forensic Extraction Tools.

Change Log

To review the full list of changes for this release, please see: Change Log v5.0.