



## Change Log

The full list of changes can be found here: [Change Log v3.8](#).

## Release Notes for HstEx® Version 5.8

Don't forget to review the release notes for HstEx® which can be found here: [HstEx v5.8 Release Notes](#).

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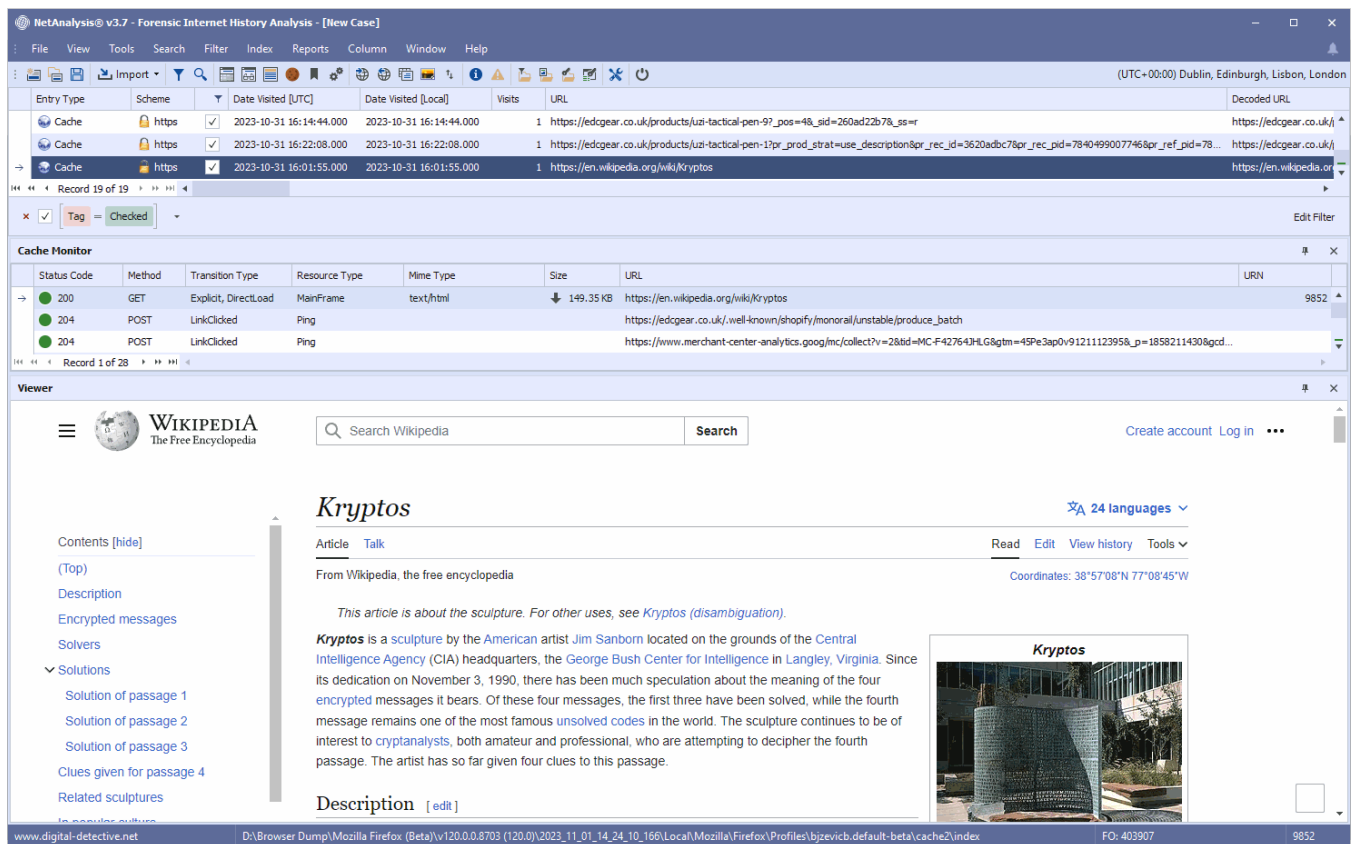
## NetAnalysis® Version 3.7



- [Release Notes for NetAnalysis® Version 3.7](#)
- [New Features](#)
- [Improvements](#)
- [Change Log](#)
- [Release Notes for HstEx® Version 5.7](#)

## Release Notes for NetAnalysis® Version 3.7

Welcome to NetAnalysis® Version 3.7. In this latest version, we are thrilled to unveil a range of cutting-edge enhancements and refinements, cementing our position as the forefront provider of browser forensic analysis tools. From advanced decoding capabilities for [X/Twitter Snowflake IDs](#) to comprehensive support for over [120 new browser versions](#) across multiple platforms, this update empowers digital forensic investigators with unparalleled insights and efficiency. Additionally, our identification engine has been optimised for superior identification of SQLite databases, alongside streamlined extraction processes for Chromium based Disk Cache and iOS snapshots, and enhanced management of Microsoft Edge Web Data. Dive into the details below to discover how NetAnalysis® continues to set the standard for forensic analysis excellence.



## New Features

- **Twitter Snowflake ID Decoding:** Explore deeper into online activity with the ability to decode [Twitter/X Snowflake IDs](#) directly within the data examination window, providing invaluable insights into activity on the platform.
- **Expanded Browser Support:** Stay ahead with support for [129 additional browser versions](#) spanning [iOS](#), [Android](#), [Windows](#), [macOS](#), and [Linux](#), ensuring comprehensive coverage for forensic investigations across diverse platforms.

## Improvements

- **Advanced SQLite Database Identification:** Our identification engine now boasts enhanced capabilities for identifying SQLite databases, empowering users with more precise analysis and extraction of critical data.
- **Streamlined Chromium Disk Cache Extraction:** Experience smoother workflows with improved support for importing and extracting the latest Chromium based Disk Cache, facilitating efficient retrieval of browsing history and cached content.
- **Enhanced Handling of Chromium iOS Snapshots:** Enjoy refined handling of Chromium based iOS snapshot files, alongside improved extraction techniques, enhancing the accuracy and completeness of snapshot data retrieval.
- **Enhanced Microsoft Edge Web Data Management:** Elevate your forensic analysis with improved handling of Microsoft Edge Web Data, ensuring thorough examination and extraction of critical browsing information for comprehensive investigations.

## Change Log

The full list of changes can be found here: [Change Log v3.7](#).

## Release Notes for HstEx® Version 5.7

Don't forget to review the release notes for HstEx® which can be found here: [HstEx v5.7 Release Notes](#).

## NetAnalysis® Version 3.6



- [Release Notes for NetAnalysis® Version 3.6](#)
- [New Features](#)
- [Improvements](#)
- [Change Log](#)
- [Release Notes for HstEx® Version 5.6](#)

## Release Notes for NetAnalysis® Version 3.6

Welcome to NetAnalysis® Version 3.6. We are excited to present this latest update, packed with new features and improvements to enhance your browser data, forensic analysis experience. New in this release, comprehensive support for Maxthon browser on Android, iOS, Windows and macOS.

The screenshot displays the NetAnalysis v3.6 interface for forensic internet history analysis. The main window shows a list of entries with columns for Entry Type, Scheme, Tag, Date Visited [UTC], Date Visited [Local], Visits, URL, and Decoded URL. The entries include search terms, form history, favorite folders, and speed dial items. The bottom panel shows the source file path and an information section with details like Keyword, Visits, Create Time, and Visit Time.

Entry Type	Scheme	Tag	Date Visited [UTC]	Date Visited [Local]	Visits	URL	Decoded URL
Search Term			2023-09-15 13:47:25.000	2023-09-15 14:47:25.000	1	what's my user agent string	
Search Term			2023-09-15 14:01:36.000	2023-09-15 15:01:36.000	2	bbc	
Search Term			2023-09-15 13:57:06.000	2023-09-15 14:57:06.000	1	linux	
Search Term			2023-09-15 13:58:56.000	2023-09-15 14:58:56.000	1	virtual box	
Form History	https		2023-09-15 14:00:30.000	2023-09-15 15:00:30.000		https://www.digital-detective.net/cgi-bin/digitalboard/ra86.pl	https://www.digital-det
Favorite Folder							
Favorite Folder							
Favorite Folder							
Favorite						www.digital-detective.net	
Favorite Folder							
Favorite						x	
Favorite	https					https://www.skynewsinternational.com/	https://www.skynewsar
Favorite	https					https://www.virtualbox.org/	https://www.virtualbox
Speed Dial	https					https://uk.search.yahoo.com/yhs/mobile/web?hsparm=maxbrowser&hsimp=yhs-maxbrowser_shortcut_002&p=	https://uk.search.yaho
Speed Dial	http					http://www.facebook.com/	http://www.facebook.c
Speed Dial	http					http://www.youtube.com/	http://www.youtube.co
Speed Dial	http					http://www.ebay.co.uk/	http://www.ebay.co.uk
Speed Dial	http					http://twitter.com/	http://twitter.com/

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Source File: \\digital03\Browser Data Mobiles\Android\Maxthon Browser\v7\2023\_09\_14\com.mx.browser\browser\mxbrowser\_default.db

Information

- 1 Keyword: Google
- 2 Visits: 3
- 3 Create Time: 2023-08-17 09:51:36.000
- 4 Visit Time: 2023-09-15 14:47:35.000

www.digital-detective.net | \\digital03\Browser Data Mobiles\Android\Maxthon Browser\v7\2023\_09\_14\com.mx.browser\browser\mxbrowser\_default.db | ID: 1 | 1632

## New Features

In this release, we have introduced several new features to help you examine browsing data more comprehensively:

- **Support for Latest Browsers:** We have updated NetAnalysis® to ensure compatibility with all the updates and changes present in the latest browsers, keeping your analysis up to date.
- **Mozilla Firefox on Android Login Exceptions:** NetAnalysis® now provides support for examining Mozilla Firefox on Android Login Exceptions, enabling you to gain deeper insights into user activity.
- **Mozilla Firefox on iOS Autofill:** With our new support for Mozilla Firefox on iOS Autofill, you can now examine and interpret autofill data effectively.
- **Microsoft Edge on iOS Downloads:** Examine Microsoft Edge on iOS Downloads seamlessly with our improved support for this feature.
- **Maxthon Browser:** We are excited to announce support for Maxthon Browser on Android, iOS, Windows, and macOS. You can now examine browsing data from Maxthon Browser on multiple platforms, enhancing your cross-device analysis capabilities.

## Improvements

We have also made significant improvements to enhance your experience and analysis capabilities:

- **Identification of Supported Browser Files:** We have improved the identification process of supported browser files, ensuring more accurate and efficient data analysis.
- **QQ Browser on iOS History:** Our support and handling for QQ Browser on iOS history have been enhanced, enabling you to extract valuable information from this browser's history more effectively.
- **Text Extraction for Indexing and Searching:** Enjoy improved text extraction from supported files, making indexing and searching for specific information even more efficient.
- **Mozilla Firefox Session Store Files:** NetAnalysis® now offers enhanced support for Mozilla Firefox session store files, allowing you to delve deeper into session data.
- **Yandex on Android Chromium-based Simple Cache:** Examine Yandex on Android Chromium-based Simple Cache data with improved support, enhancing your ability to uncover insights from this browser.
- **Mozilla Firefox on Android Logins:** We have refined the processing and handling of Mozilla Firefox on Android Logins, ensuring a smoother analysis experience.

## Change Log

The full list of changes can be found here: [Change Log v3.6](#).

## Release Notes for HstEx® Version 5.6

Don't forget to review the release notes for HstEx® which can be found here: [HstEx v5.6 Release Notes](#).

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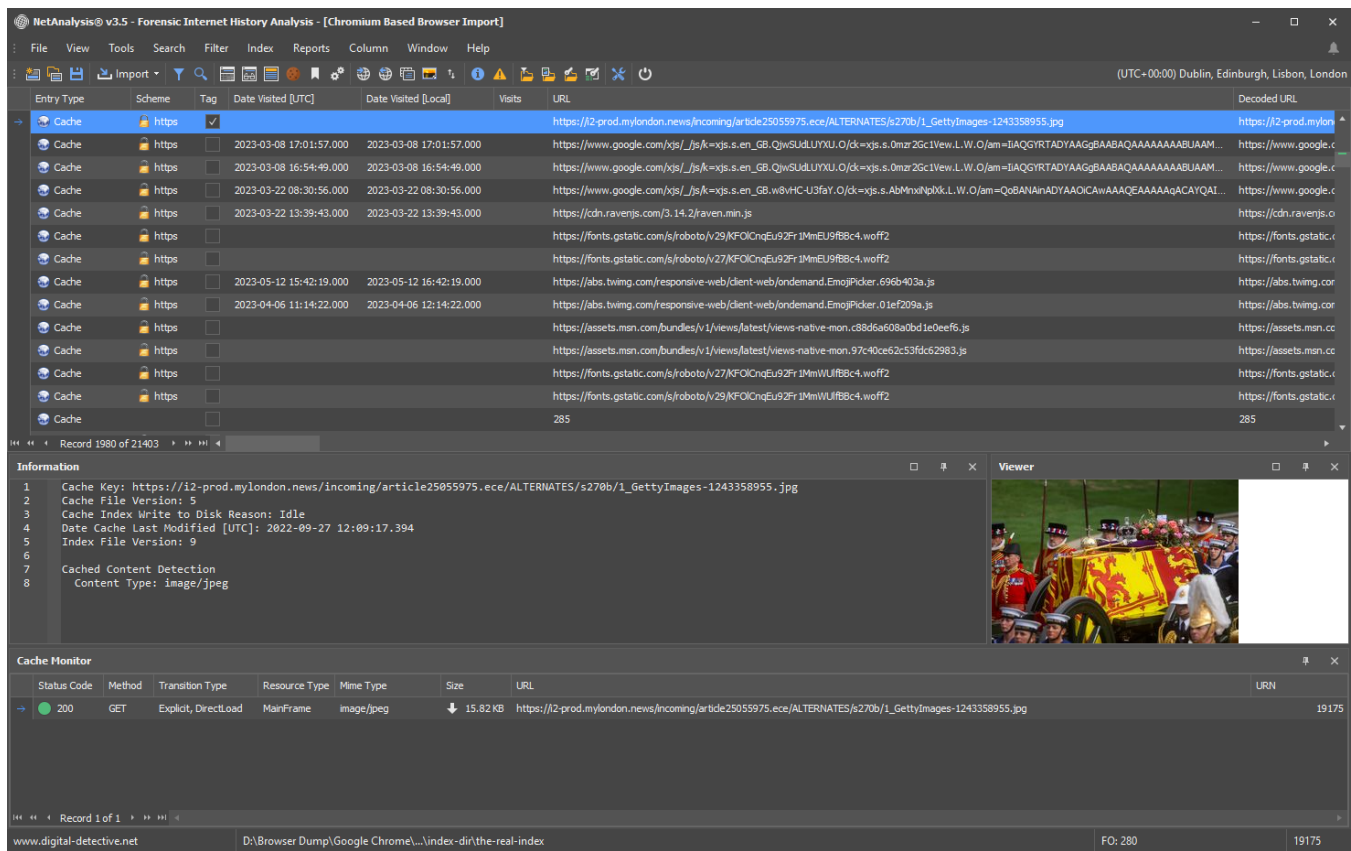
## NetAnalysis® Version 3.5



- [Release Notes for NetAnalysis® Version 3.5](#)
- [New Features](#)
- [Improvements](#)
- [Change Log](#)
- [Release Notes for HstEx® Version 5.5](#)

## Release Notes for NetAnalysis® Version 3.5

We are thrilled to announce the release of NetAnalysis® v3.5. This version introduces an array of exciting new support and noteworthy improvements that will elevate your browser forensic analysis to unprecedented levels. Our team has been hard at work to deliver a cutting-edge update that empowers you with enhanced capabilities and support for the latest browsers. In this release, we have introduced several new features that cater to the evolving landscape of digital platforms.



## New Features

- Support for 93 new browser builds and associated data
- Support for Chromium based Platform Notifications
- Support for SeaMonkey Location Bar History
- Support for Epic Privacy Browser on Android Speed Dial and Audio Queue
- Support for Microsoft Edge Drop
- Support for the new changes to Brave browser on iOS

## Improvements

- Improved searching and processing to identify vital browser evidence
- Improved logging of metadata from Expert Witness image files processed by HstEx®
- Improved iOS mobile file system searching and processing
- Improved support for Android based web browsers

## Change Log

The full list of changes can be found here: [Change Log v3.5](#).

## Release Notes for HstEx® Version 5.5

Don't forget to review the release notes for HstEx® which can be found here: [HstEx v5.5 Release Notes](#).

## NetAnalysis® Version 3.4



- [Release Notes for NetAnalysis® Version 3.4](#)
- [New Features](#)
- [Improvements](#)
- [Change Log](#)
- [Release Notes for HstEx® Version 5.4](#)

## Release Notes for NetAnalysis® Version 3.4

We are pleased to announce the release of NetAnalysis® v3.4, which includes several new features and improvements to enhance your digital investigation capabilities. With over 90 new browser artefacts, this means that investigators can now uncover even more valuable evidence to help them solve their cases.

NetAnalysis® v3.4 - Forensic Internet History Analysis - [New Case]

File View Tools Search Filter Index Reports Column Window Help

(UTC+00:00) Dublin, Edinburgh, Lisbon, London

Entry Type	Scheme	Tag	Date Visited [UTC]	Date Visited [Local]	Visits	URL
Tab History	about	<input type="checkbox"/>				about:welcome
Tab	https	<input type="checkbox"/>	2023-03-02 12:42:14.182	2023-03-02 12:42:14.182		https://www.huffingtonpost.co.uk/entry/better-questions-kids-how-was-your-day_1_63e5248ae4b0808b91be8ca9
Window		<input type="checkbox"/>				
Session		<input type="checkbox"/>	2023-03-02 14:43:49.303	2023-03-02 14:43:49.303		SessionStore (sessionstore)
Search Engine		<input type="checkbox"/>				
Search Engine		<input type="checkbox"/>				
Search Engine		<input type="checkbox"/>				
Search Engine		<input type="checkbox"/>				
Search Engine		<input type="checkbox"/>				
Search Engine		<input type="checkbox"/>				
Protection		<input type="checkbox"/>	2023-03-02 00:00:00.000	2023-03-02 00:00:00.000		
Protection		<input type="checkbox"/>	2023-03-02 00:00:00.000	2023-03-02 00:00:00.000		
Protection		<input type="checkbox"/>	2023-03-02 00:00:00.000	2023-03-02 00:00:00.000		
Preferences		<input type="checkbox"/>				
Bookmark Tag	https	<input type="checkbox"/>	2023-02-20 12:08:42.604	2023-02-20 12:08:42.604	1	https://source.chromium.org/chromium/chromium/src/+/main:components/password_manager/core/browser/password_form.h#l=2
Bookmark Folder		<input type="checkbox"/>				
Bookmark Tag	https	<input type="checkbox"/>	2023-02-13 15:12:12.328	2023-02-13 15:12:12.328	1	https://www.paintgear.co.uk/blogs/how-to-guides-tutorials
Bookmark Tag	https	<input type="checkbox"/>	2023-02-12 18:33:44.795	2023-02-12 18:33:44.795	1	https://www.marshfarmhall.co.uk/about/
Bookmark Folder		<input type="checkbox"/>				
Bookmark Tag	https	<input type="checkbox"/>	2023-02-08 17:43:57.003	2023-02-08 17:43:57.003	2	https://www.purecleaninggrouppltd.co.uk/services/gutter-clearance-and-maintenance/
Bookmark Folder		<input type="checkbox"/>				
Bookmark Tag	https	<input type="checkbox"/>	2023-02-08 17:43:57.003	2023-02-08 17:43:57.003	2	https://www.purecleaninggrouppltd.co.uk/services/gutter-clearance-and-maintenance/
Bookmark Tag	https	<input type="checkbox"/>			0	https://www.freecodecamp.org/news/web-scraping-sci-fi-movies-from-imdb-with-python/
Bookmark Folder		<input type="checkbox"/>				
Bookmark Tag	https	<input type="checkbox"/>	2023-02-14 11:13:56.695	2023-02-14 11:13:56.695	19	https://chat.openai.com/auth/login
Bookmark Folder		<input type="checkbox"/>				
Bookmark Tag	https	<input type="checkbox"/>	2023-02-14 11:13:56.695	2023-02-14 11:13:56.695	19	https://chat.openai.com/auth/login
Bookmark Tag	https	<input type="checkbox"/>			0	https://www.kickresume.com/en/

Record 7966 of 45618

www.digital-detective.net K:\Sandbox\Mozilla Firefox\v110\2023\_03\_02\_14\_44\_21\_973\Roaming\Mozilla\Firefox\Profiles\tr0q1i4i.default-release\places.sqlite ID: 3007 45383

## New Features

- Added support for [Microsoft Edge](#) navigation history, allowing you to extract and analyse navigation activity from this popular web browser.
- Increased support for mobile browsers on iOS and Android, enabling you to more effectively investigate mobile devices.
- Added over 90 new browser artefacts, giving you greater insight into user activity.

## Improvements

- Improved identification of items of interest in our browser preferences viewer, helping you to quickly find relevant evidence.



- Improved handling of bookmark interchange format, making it easier to extract and analyse bookmark data.
- Made minor UI changes to assist investigators in quickly finding evidence.
- Improved handling of Chromium and Mozilla-based browsers, providing you with more accurate results.

We are confident that NetAnalysis v3.4 will be an invaluable tool for investigators looking to recover and analyse browser artefacts. We can't wait to see the impact it will have on the digital forensic community. We hope these new features and improvements will help you to conduct more comprehensive and effective digital investigations. As always, please don't hesitate to reach out to our support team if you have any questions or feedback.

## Change Log

The full list of changes can be found here: [Change Log v3.4](#).

## Release Notes for HstEx® Version 5.4

Don't forget to review the release notes for HstEx® which can be found here: [HstEx v5.4 Release Notes](#).

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## NetAnalysis® Version 3.3



- [Offline Cached Web Page Viewing](#)
- [New Features](#)
- [Change Log](#)
- [Release Notes for HstEx® Version 5.3](#)

## Offline Cached Web Page Viewing

NetAnalysis® version 3.3 introduces a major change in the way we handle and process cached content. Previous versions of the application would rebuild cached web pages and convert them to local versions using locally extracted cached content. As Web Pages become more sophisticated, this method may not always produce the best results, hence the need to evolve.

With version 3.3, we no longer rebuild web pages using this methodology. Instead, we process the requests from our built-in browser component (which is based on Google Chrome) and provide the cached content directly from the browser's cache. Therefore, as the browser loads the page, it parses the various elements and requests the content it requires to render the page on screen. We take those requests and find the data in the browser's cache, serving it back to the browser. We have also introduced a Cache Monitor window so you can see what the browser is requesting from the cache. This means that the cache no longer has to be extracted and the web pages rebuilt before you view them.

This new methodology has also allowed us to effectively deal with client and server side redirects. When our HTTP response to the browser indicates the content is subject to a server side redirect, the browser can then re-request the content from the corresponding new cache location. Client side redirects are already dealt with by our browser component. This delivers a considerable enhancement to the ability of NetAnalysis® to display cached web pages.



The screenshot displays the NetAnalysis v3.3 interface. The top section shows a list of cached web pages with columns for Entry Type, Scheme, Date Visited [UTC], Date Visited [Local], Visits, URL, Host Name, and Absolute Path. The bottom section shows a preview of a web page titled 'Dead Pigeon Sparks WW2 Cipher Mystery' by nickpelling, dated Nov 2012. The preview includes a site statistics box showing 2443923 visitors and 542 subscribers.

Entry Type	Scheme	Date Visited [UTC]	Date Visited [Local]	Visits	URL	Host Name	Absolute Path
Cache	https	2022-10-20 16:58:25.000	2022-10-20 17:58:25.000	1	https://www.ebay.co.uk/	www.ebay.co.uk	/
Cache	https	2022-10-20 16:58:30.000	2022-10-20 17:58:30.000	0	https://tinyjpg.com/	tinyjpg.com	/
Cache	https	2022-10-20 16:58:30.000	2022-10-20 17:58:30.000	1	https://www.printfriendly.com/	www.printfriendly.com	/
Cache	https	2022-10-20 16:58:02.000	2022-10-20 17:58:02.000	1	https://ciphermysteries.com/2012/11/02/dead-pigeon-sparks-ww2-cipher-mystery	ciphermysteries.com	/2012/11/02/dead-pigeon-sparks-ww2-ciph

Status Code	Method	Transition Type	Resource Type	Mime Type	Size	URL	URN
200	GET	Exploit, DirectLoad	MainFrame	text/html	176.40 KB	https://ciphermysteries.com/2012/11/02/dead-pigeon-sparks-ww2-cipher-mystery	9330
200	GET	LinkClicked	Stylesheet	text/css	29.22 KB	https://ciphermysteries.com/wp-content/themes/contango/style.css	6825
200	GET	LinkClicked	Script	application/javascript	108.79 KB	https://www.googletagmanager.com/gtag/js?id=UA-719149-2	6477
200	GET	LinkClicked	Stylesheet	text/css	223.03 KB	https://ciphermysteries.com/wp-content/plugins/bwp-minify/min/?f=wp-content/plugins/easy-social-icons/css/font-awesome/css/all.min.css,wp-content/plugins...	4373
200	GET	LinkClicked	Stylesheet	text/css	3.08 KB	https://fonts.googleapis.com/css?family=Open+Sans%7COnix+One&ver=6.0.3	7202
200	GET	LinkClicked	Script	application/javascript	87.42 KB	https://ciphermysteries.com/wp-includes/js/jquery/jquery.min.js?ver=3.6.0	10172

## New Features

We have added support for 223 new browser artefacts. We have also made some user interface enhancements and added new cache reading and extraction support:

- New Filter Menus: Live Cached Web Pages (Ctrl + W), Live Cached Images and Live Files.
- New Filters for Secure Cookies and HTTP Only Cookies.
- New Cache Monitor window for monitoring cache extraction.
- Support for WebKit2 Network Disk Cache.
- Support for reading and extracting data from Apple Web Archive files.

## Change Log

The full list of changes can be found here: [NetAnalysis@ v3.3 Change Log](#).

## Release Notes for HstEx® Version 5.3

Don't forget to review the release notes for HstEx® which can be found here: [HstEx v5.3 Release Notes and Change Log](#).

## NetAnalysis® Version 3.2



- [Release Notes for NetAnalysis® Version 3.2](#)

- [New Features](#)
- [Change Log](#)
- [Release Notes for HstEx® Version 5.2](#)

## Release Notes for NetAnalysis® Version 3.2

NetAnalysis® version 3.2 adds further support for mobile and desktop browsers. We have added new support for:

- [Dissenter Browser](#)
- [Maxthon Browser](#)
- [Mi Browser](#)
- [Mint Browser](#)

## New Features

- Support for Sleipnir Mobile on iOS
- Support for Sleipnir Mobile on Android
- Apple Safari v15 Tabs on macOS and iOS
- Mime HTML indexing
- PNG export from Viewer
- Mime HTML export from Viewer
- Opera Mini on Android Saved Pages
- Microsoft Edge Custom Autofill
- Mozilla Firefox Logins on Android and iOS

## Change Log

The full list of changes can be found here: [NetAnalysis® v3.2 Change Log](#).

## Release Notes for HstEx® Version 5.2

Don't forget to review the release notes for HstEx® which can be found here: [HstEx v5.2 Release Notes](#).

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## NetAnalysis® Version 3.1



- [Release Notes for NetAnalysis® Version 3.1](#)
- [UC Browser on Android and iOS](#)
- [Decrypting UC Login Data on Android](#)
- [Zone.Identifier Recovery](#)
- [Change Log](#)
- [Release Notes for HstEx® Version 5.1](#)

## Release Notes for NetAnalysis® Version 3.1

NetAnalysis® version 3.1 continues our quest to add further support for mobile browsers. This release adds support for **eighteen new browsers**, namely [7 Star Browser](#), [Naver Whale](#) on desktop and mobile platforms, [Opera Mini](#) on mobile platforms, [Opera Touch](#) on Android, [Opera GX](#) on mobile platforms, [Dolphin Browser](#) on Android, [Brave](#) on mobile platforms, [Opera](#) on mobile platforms, [QQ Browser](#) on mobile platforms and [UC Browser](#) on mobile platforms.

We have also added new artefacts for existing browsers, giving us a total of **142 new artefacts** for this version. For a full list of changes, see [NetAnalysis® v3.1 Change Log](#).

## UC Browser on Android and iOS

UC Browser is a cross-platform web browser developed by mobile internet company [UCWeb](#), a subsidiary of the Alibaba Group. It is primarily targeted at mobile platforms and is extremely popular in India, Indonesia and China. It also encrypts many of the databases used to store user data.

In this release of NetAnalysis®, we have enhanced our support for UC Browser on Android and iOS. We can now decrypt History, Most Recent Visited History, Search Data and Bookmarks.

## Decrypting UC Login Data on Android

We have also added support for decrypting usernames and passwords.

The screenshot displays the NetAnalysis v3.1 interface for forensic internet history analysis. The main window shows a list of entries with columns for Entry Type, Scheme, Tag, Date Visited [UTC], Date Visited [Local], URL, Login User, Login Password, and Decoded URL. A yellow dashed arrow points from a specific entry in the list to the 'Information' panel at the bottom.

Entry Type	Scheme	Tag	Date Visited [UTC]	Date Visited [Local]	URL	Login User	Login Password	Decoded URL
Login Data	https		2021-09-13 13:09:19.309	2021-09-13 14:09:19.309	https://m.facebook.com/login/device-based/regular/login/	james_smith_bloggs@gmail.com	password456	https://m.facebook.com/login/device-based/regular/login/
Login Data	https		2021-09-13 13:10:03.213	2021-09-13 14:10:03.213	https://m.facebook.com/login/device-based/regular/login/	jessica_mcdonald2021@gmail.com	password123	https://m.facebook.com/login/device-based/regular/login/
Login Data	https		2021-09-13 13:12:45.704	2021-09-13 14:12:45.704	https://mega.nz/login	andrew-smith-porsley2019@gmail.com	^\$Pt1o7U~k{(\$	https://mega.nz/login
Login Data	https		2021-09-14 10:24:56.872	2021-09-14 11:24:56.872	https://mega.nz/login	trawler_johnson8946@gmail.com	r16GQyu)O%a_~lp]5Ewz	https://mega.nz/login
Login Data	https		2021-09-14 10:26:05.741	2021-09-14 11:26:05.741	https://www.pcloud.com/eu	davidjasonwilliams@gmail.com	&M+[R4<23zxu9T-KPh?	https://www.pcloud.com/eu
Login Data	https		2021-09-14 10:26:53.951	2021-09-14 11:26:53.951	https://www.myheritage.com/	manchester78@gmail.com	PtV/cg1..bu\$AHLzUjxQA	https://www.myheritage.com/
Login Data	https		2021-09-14 10:31:47.695	2021-09-14 11:31:47.695	https://m.facebook.com/login/device-based/regular/login/	stirling_mctavish223@gmail.com	Nm,RToe(xQHU#tez&?	https://m.facebook.com/login/device-based/regular/login/
Login Data	https		2021-09-14 10:33:56.721	2021-09-14 11:33:56.721	https://accounts.google.com/signin/v2/challenge/password/empty	jonathan_doe_3321@gmail.com	OG,,YQ)oc[H->]awuitd	https://accounts.google.com/signin/v2/challenge/password/empty
Login Data	https		2021-09-14 10:35:13.913	2021-09-14 11:35:13.913	https://accounts.google.com/signin/v2/challenge/password/empty	maxine-jefferson222@gmail.com	feMk^~\$No>p?	https://accounts.google.com/signin/v2/challenge/password/empty
Login Data	https		2021-09-14 11:21:26.803	2021-09-14 12:21:26.803	https://www.digital-detective.net/cgi-bin/digitalboard/yas8.pl	abcedefghijklmnopqrstuvwxyz	~:;dQ)BRVil+uIKNZu^?JE{#xQc}	https://www.digital-detective.net/cgi-bin/digitalboard/yas8.pl
Quota Usage	https		2021-09-13 13:20:05.091	2021-09-13 14:20:05.091	https://www.digital-detective.net/			https://www.digital-detective.net/
Quota Usage	https		2021-09-14 11:22:12.636	2021-09-14 12:22:12.636	https://mega.nz/			https://mega.nz/
Quota Usage	https		2021-09-13 13:13:12.891	2021-09-13 14:13:12.891	https://news.sky.com/			https://news.sky.com/
Quota Usage	https		2021-09-14 09:28:30.094	2021-09-14 10:28:30.094	https://uk.bestdeals.today/			https://uk.bestdeals.today/
Quota Usage	https		2021-09-14 10:33:29.585	2021-09-14 11:33:29.585	https://www.myheritage.com/			https://www.myheritage.com/

**Information**

```
1 Origin URL: https://m.facebook.com/
2 Action URL: https://m.facebook.com/login/device-based/regular/login/
3 Username Element: email
4 Username Value: E2f9EBA0879CDBACEBA1A4BF98B688F0B9EAB99684FC...A5ACF4E581819DCA
5 Decrypted Username: james_smith_bloggs@gmail.com
6 Password Element: pass
7 Password Value: D0F6E1B6B58296A0B0E0F4B6E1
8 Decrypted Password: password456
9 Signon Realm: https://m.facebook.com/
10 Preferred: False
11 Blacklisted by User: False
12 Times Used: 0
13 Date Created [UTC]: 2021-09-13 13:09:19.309
14 Skip Zero Click: False
15 Generation Upload Status: No Signal Sent
16 Date Last Used [UTC]: 2021-09-13 13:09:19.309
```

## Zone.Identifier Recovery

With the release of HstEx® v5.1, we have added the ability to search and recover MFT entries containing resident Zone Identifier data. This provides us with a lot of information regarding the original file. The recovered data is easily read into NetAnalysis® for examination. The image below shows a number of recovered Zone Identifier entries. The Information panel shows the associated MFT attribute information along with the Zone Transfer data from the Zone.Identifier stream.

NetAnalysis® v3.2 - Forensic Internet History Analysis - [HstEx® Recovered Resident MFT Zone.Identifier Entries]

File View Tools Search Filter Index Reports Column Window Help

(UTC+00:00) Dublin, Edinburgh, Lisbon, London

Entry Type	Scheme	Tag	Date Visited [UTC]	Date Visited [Local]	URL	Local Path	Host Name
Zone Identifier	https		2021-09-21 15:42:05.097	2021-09-21 16:42:05.097	https://www.digital-detective.net/download/downloadbac.php?downloadcode=sv0by94fhzy9z9lg	Blade-x86-EN-1.17.21169.57.zip	www.digital-detective.net
Zone Identifier	https		2021-06-03 08:34:23.145	2021-06-03 09:34:23.145	https://ftp.mozilla.org/pub/firefox/releases/88.0b9/win64/en-GS/Firefox%20Setup%2088.0b...	Firefox Setup 88.0b9.exe	ftp.mozilla.org
Zone Identifier	https		2021-05-27 09:03:04.223	2021-05-27 10:03:04.223	https://dl.teamviewer.com/download/version_15x/TeamViewer_Setup_x64.exe	TeamViewer_Setup_x64.exe	dl.teamviewer.com
Zone Identifier	https		2021-06-08 10:43:29.530	2021-06-08 11:43:29.530	https://phoenixnap.dl.sourceforge.net/project/wincache/development/wincache-2.0.0.8-dev-...	wincache-2.0.0.8-dev-7.2.beta2-nts-vc15-x64.exe	phoenixnap.dl.sourceforge
Zone Identifier	https		2021-06-08 10:11:35.635	2021-06-08 11:11:35.635	https://deac-ans.dl.sourceforge.net/project/wincache/development/wincache-2.0.0.8-dev-7...	wincache-2.0.0.8-dev-7.3-nts-vc15-x64.exe	deac-ans.dl.sourceforge
Zone Identifier	https		2021-06-08 10:35:00.756	2021-06-08 11:35:00.756	https://deac-fra.dl.sourceforge.net/project/wincache/wincache-2.0.0/wincachewpi-2.0.0.8-7...	wincachewpi-2.0.0.8-7.2-nts-vc15-x64(1).exe	deac-fra.dl.sourceforge
Zone Identifier	https		2021-06-08 10:19:38.719	2021-06-08 11:19:38.719	https://netcologne.dl.sourceforge.net/project/wincache/wincache-2.0.0/wincachewpi-2.0.0.8-...	wincachewpi-2.0.0.8-7.2-nts-vc15-x64.exe	netcologne.dl.sourceforge
Zone Identifier	https		2021-06-08 10:34:18.444	2021-06-08 11:34:18.444	https://netcologne.dl.sourceforge.net/project/wincache/wincache-2.0.0/wincachewpi-2.0.0.8-...	wincachewpi-2.0.0.8-7.2-nts-vc15-x86.exe	netcologne.dl.sourceforge
Zone Identifier	https		2021-06-08 10:09:23.851	2021-06-08 11:09:23.851	https://altushost-swe.dl.sourceforge.net/project/wincache/development/wincache-2.0.0.8-de...	wincache-2.0.0.8-dev-7.1-nts-vc14-x64.exe	altushost-swe.dl.source

Record 3 of 11

Information

1 MFT Record Information

2 Entry Index: 41

3 Entry Flags: InUse

4

5 File Information (\$FILE\_NAME 0x30)

6 Name: Blade-x86-EN-1.17.21169.57.zip

7 Parent Entry Index: 5

8 Allocated Size: 25,231,360 (24.06 MB)

9 Real Size: 0 (0.00 KB)

10 File Attributes: Archive

11 Date Created [UTC]: 2021-10-06 11:49:46.302

12 Date Modified [UTC]: 2021-10-06 11:49:46.302

13 Date Accessed [UTC]: 2021-10-06 11:49:46.302

14 Entry Modified [UTC]: 2021-10-06 11:49:46.302

15

16 Standard Information (\$STANDARD\_INFORMATION 0x10)

17 File Flags: Archive

18 Date Created [UTC]: 2021-09-21 15:42:05.097

19 Date Modified [UTC]: 2021-09-21 15:42:18.753

20 Date Accessed [UTC]: 2021-10-06 11:49:46.443

21 Entry Modified [UTC]: 2021-10-06 11:49:46.490

22

23 Object ID Information (\$OBJECT\_ID 0x40)

24 Object ID: 7823cb48-2670-11ec-92d4-fcaal4290f80

25 Version: 1

26 Timestamp [UTC]: 2021-10-06 06:41:43.544

27 Clock Sequence: 4020

28 Node: FC-AA-14-29-0F-80

29

30 Zone Transfer

31 Zone ID: 3 (Internet)

32 Stream Length: 196 (0.19 KB)

www.digital-detective.net D:\Desktop\downloads.img PS: 2097234 SO: 000 3

## Change Log

The full list of changes can be found here: [NetAnalysis® v3.1 Change Log](#).

## Release Notes for HstEx® Version 5.1

Don't forget to review the release notes for HstEx® which can be found here: [HstEx v5.1 Release Notes](#).

## NetAnalysis® Version v3.0



- [Release Notes for NetAnalysis® Version 3.0](#)
- [Enhanced Filtering](#)
  - [New Filter Editor](#)
- [Progress Filtering](#)
- [New Properties Examiner](#)
- [Improved Search Index](#)
- [Zone Identifier ADS](#)
- [Change Log](#)
- [Release Notes for HstEx® Version 5.0](#)

## Release Notes for NetAnalysis® Version 3.0

Version 3 is a major release of NetAnalysis® and adds over **200 new artefacts** as well as new support for **mobile** and **portable** browsers. 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. Our grids now boast powerful Excel-style column filtering with easy access string, number and date filtering. Another key feature is the built-in **Properties Examiner** with powerful examination, analysis and reporting of browser preferences.

In combination with **HstEx® v5**, NetAnalysis® is 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.

NetAnalysis® v3.0 - Forensic Internet History Analysis - [21137 - CDS]

FileViewToolsSearchFilterIndexReportsColumnWindowHelp

Import

UTC+00:00 Dublin, Edinburgh, Lisbon, London

Preview URL

https://m.media-amazon.com/images/S/sash/E6vgqIIirWgGb3f.png

Preview URLDecoded URLProperties Examiner

Entry Type	Scheme	Tag	Date Visited [UTC]	Date Visited [Local]	Visits	URL	Decoded URL
Cache	https		2021-05-20 09:43:13.000	2021-05-20 10:43:13.000		https://images-eu.ssl-images-amazon.com/images/I/41IK3om96mL.js?AUIClients/AmazonPopoversAUISHim	https://images-eu.ssl-r
Cache	https		2021-05-20 09:43:13.000	2021-05-20 10:43:13.000		https://images-eu.ssl-images-amazon.com/images/I/71bmffgoakL.js?AUIClients/DetailPageTwisterAssets&IAJMOBJ	https://images-eu.ssl-r
Cache	https		2021-05-20 09:43:13.000	2021-05-20 10:43:13.000		https://images-eu.ssl-images-amazon.com/images/I/41v1dA0%2BvEL.js?AUIClients/DetailPageMiraAssets	https://images-eu.ssl-r
Cache	https		2021-05-20 09:43:13.000	2021-05-20 10:43:13.000		https://ecomm.events/i.js	https://ecomm.events/
Cache	https		2021-05-20 09:43:13.000	2021-05-20 10:43:13.000		https://images-eu.ssl-images-amazon.com/images/I/3100g9KFD2L.js?AUIClients/DetailPageTwisterViewAssets&KT17yb+O	https://images-eu.ssl-r
Cache	https		2021-05-20 09:43:13.007	2021-05-20 10:43:13.007		https://m.media-amazon.com/images/S/sash/E6vgqIIirWgGb3f.png	https://m.media-amazo
Cache	https		2021-05-20 09:43:13.051	2021-05-20 10:43:13.051		https://images-eu.ssl-images-amazon.com/images/I/41IK3om96mL.js?AUIClients/AmazonPopoversAUISHim	https://images-eu.ssl-r
Cache	https		2021-05-20 09:43:13.124	2021-05-20 10:43:13.124		https://d1dkdryvras0S.cloudfront.net/dudamobile/loading.gif	https://d1dkdryvras0S
History	https		2021-05-20 09:43:13.136	2021-05-20 10:43:13.136	2	https://www.allthingshunting.co.uk/store/Browning-c27000169	https://www.allthingsh
History Provider	https		2021-05-20 09:43:13.136	2021-05-20 10:43:13.136	2	https://www.allthingshunting.co.uk/store/Browning-c27000169	https://www.allthingsh
Tab	https		2021-05-20 09:43:13.136	2021-05-20 10:43:13.136		https://www.allthingshunting.co.uk/store/Browning-c27000169	https://www.allthingsh
Tab	https		2021-05-20 09:43:13.136	2021-05-20 10:43:13.136		https://www.allthingshunting.co.uk/store/Browning-c27000169	https://www.allthingsh
Resource Pref...			2021-05-20 09:43:13.144	2021-05-20 10:43:13.144		www.allthingshunting.co.uk	
Resource Pref...			2021-05-20 09:43:13.144	2021-05-20 10:43:13.144		www.allthingshunting.co.uk	
Resource Pref...			2021-05-20 09:43:13.144	2021-05-20 10:43:13.144		www.allthingshunting.co.uk	
Resource Pref...			2021-05-20 09:43:13.144	2021-05-20 10:43:13.144		www.allthingshunting.co.uk	

Record 8386 of 12655

Information

1Cache Key: \_dk\_https://amazon.co.uk https://amazon.co.uk https://m.media-amazon.com/images/S/sash/E6vgqIIirWgGb3f.png

2Top Frame Origin URL: https://amazon.co.uk

3Date Created [UTC]: 2021-05-20 09:35:36.264

4Date Last Used [UTC]: 2021-05-20 09:43:13.007

5Date Last Modified [UTC]: 2021-05-20 09:35:36.331

6Date Validated (Request Time) [UTC]: 2021-05-20 09:35:36.267

7Date Validated (Response Time) [UTC]: 2021-05-20 09:35:36.305

8Source IP: 199.232.141.16 Port: 443

9Protocol: h2

10Connection Info: http/2

11Date Cache Created [UTC]: 2021-05-20 08:08:17.898

Filter Manager

Name	Date Modified	Size
Filters	2021-05-19 09:16	
Bookmark	2021-05-19 09:16	
Browser Versions	2021-05-19 09:16	
Cached Items	2021-05-19 09:16	
Cookies	2021-05-19 09:16	
Date and Time Periods	2021-05-19 09:16	
Information	2021-05-19 09:16	
Search	2021-05-19 09:16	

InformationWarningsHTTP RequestHTTP ResponseIndex TextViewer

www.digital-detective.netK:\Test Data Sets\CDS\Google Chrome\v90\2021\_05\_20\_11\_12\_21\_458\Local\Google\Chrome\User Data\Default\Cache\IndexFO: 165122026

## Enhanced Filtering

Our grids now support enhanced Excel-style column filters. The menus contain two tabs: Values and Filters. The Values tab allows the user to select specific values or value ranges. The Filter tab allows the user to create custom filters using comparison operators that match the data type. The video below shows the Filter for a Date column in action.

NetAnalysis@ v3.1 - Forensic Internet History Analysis - [UC Browser on Android]

File View Tools Search Filter Index Reports Column Window Help

Import Filter Search Index Reports Column Window Help

Entry Type	Scheme	Tag	Date Visited [UTC]	Date Visited [Local]	URL
Login Data	https	<input type="checkbox"/>	2021-09-13 13:09:19.309	2021-09-13 14:09:19.309	https://m.facebook.com/login/device-based/regular/login/
Login Data	https	<input type="checkbox"/>	2021-09-13 13:10:03.213	2021-09-13 14:10:03.213	https://m.facebook.com/login/device-based/regular/login/
Login Data	https	<input type="checkbox"/>	2021-09-13 13:12:45.704	2021-09-13 14:12:45.704	https://mega.nz/login
Login Data	https	<input type="checkbox"/>	2021-09-14 10:24:56.872	2021-09-14 11:24:56.872	https://mega.nz/login
Login Data	https	<input type="checkbox"/>	2021-09-14 10:26:05.741	2021-09-14 11:26:05.741	https://www.pcloud.com/eu
Login Data	https	<input type="checkbox"/>	2021-09-14 10:26:53.951	2021-09-14 11:26:53.951	https://www.myheritage.com/
Login Data	https	<input type="checkbox"/>	2021-09-14 10:31:47.695	2021-09-14 11:31:47.695	https://m.facebook.com/login/device-based/regular/login/
Login Data	https	<input type="checkbox"/>	2021-09-14 10:33:56.721	2021-09-14 11:33:56.721	https://accounts.google.com/signin/v2/challenge/password/e
Login Data	https	<input type="checkbox"/>	2021-09-14 10:35:13.913	2021-09-14 11:35:13.913	https://accounts.google.com/signin/v2/challenge/password/e
Login Data	https	<input type="checkbox"/>	2021-09-14 11:21:26.803	2021-09-14 12:21:26.803	https://www.digital-detective.net/cgi-bin/digitalboard/YaBB.p
Quota Usage	https	<input type="checkbox"/>	2021-09-13 13:20:05.091	2021-09-13 14:20:05.091	https://www.digital-detective.net/
Quota Usage	https	<input type="checkbox"/>	2021-09-14 11:22:12.636	2021-09-14 12:22:12.636	https://mega.nz/

## New Filter Editor

The Filter Editor allows the user to build complex filters with an unlimited number of filter conditions combined by logical operators. The visual styling of the Filter Editor has been improved to make it much easier to view, edit and build powerful data filters.

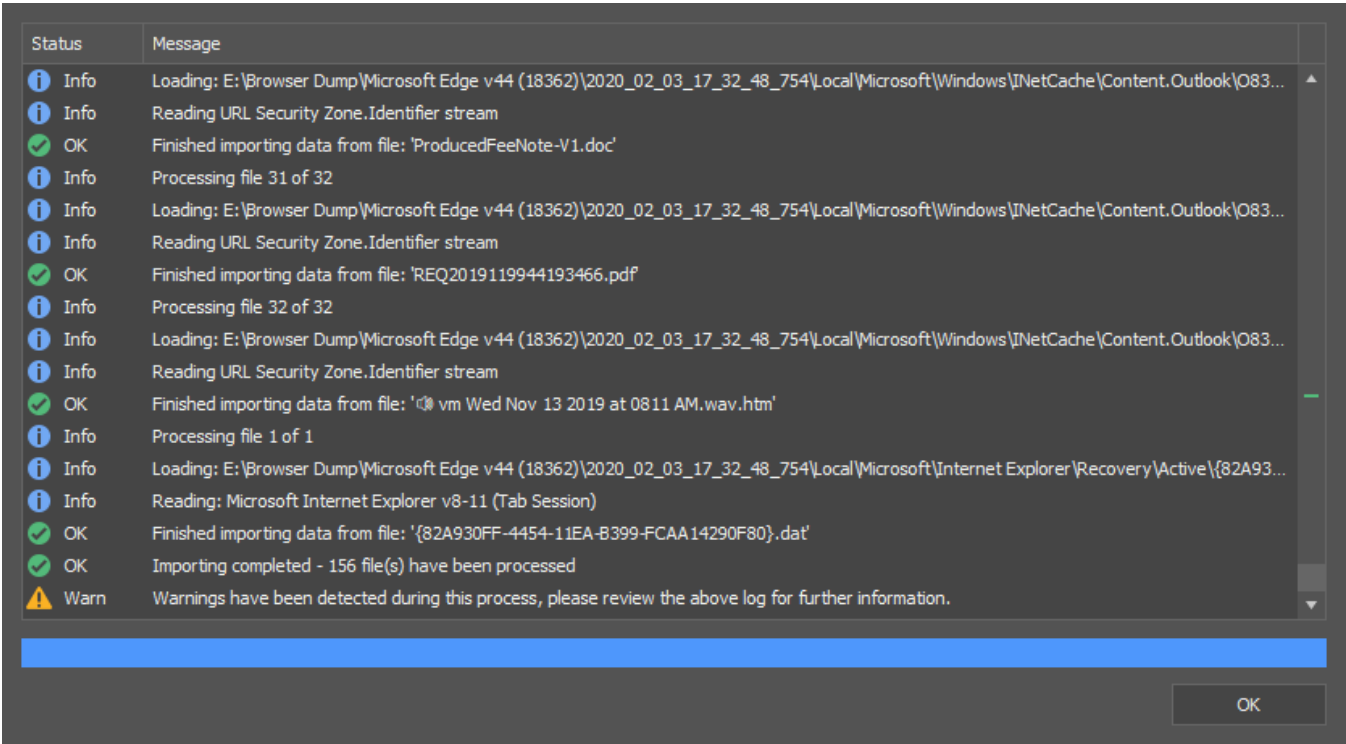
Filter Editor

And

OK Cancel Apply

## Progress Filtering

We have also enhanced the Progress Window with the same column filters. When processing data, it is now easy to filter rows containing a specific status. This makes it a simple process to review the log for warnings and other status values of interest.

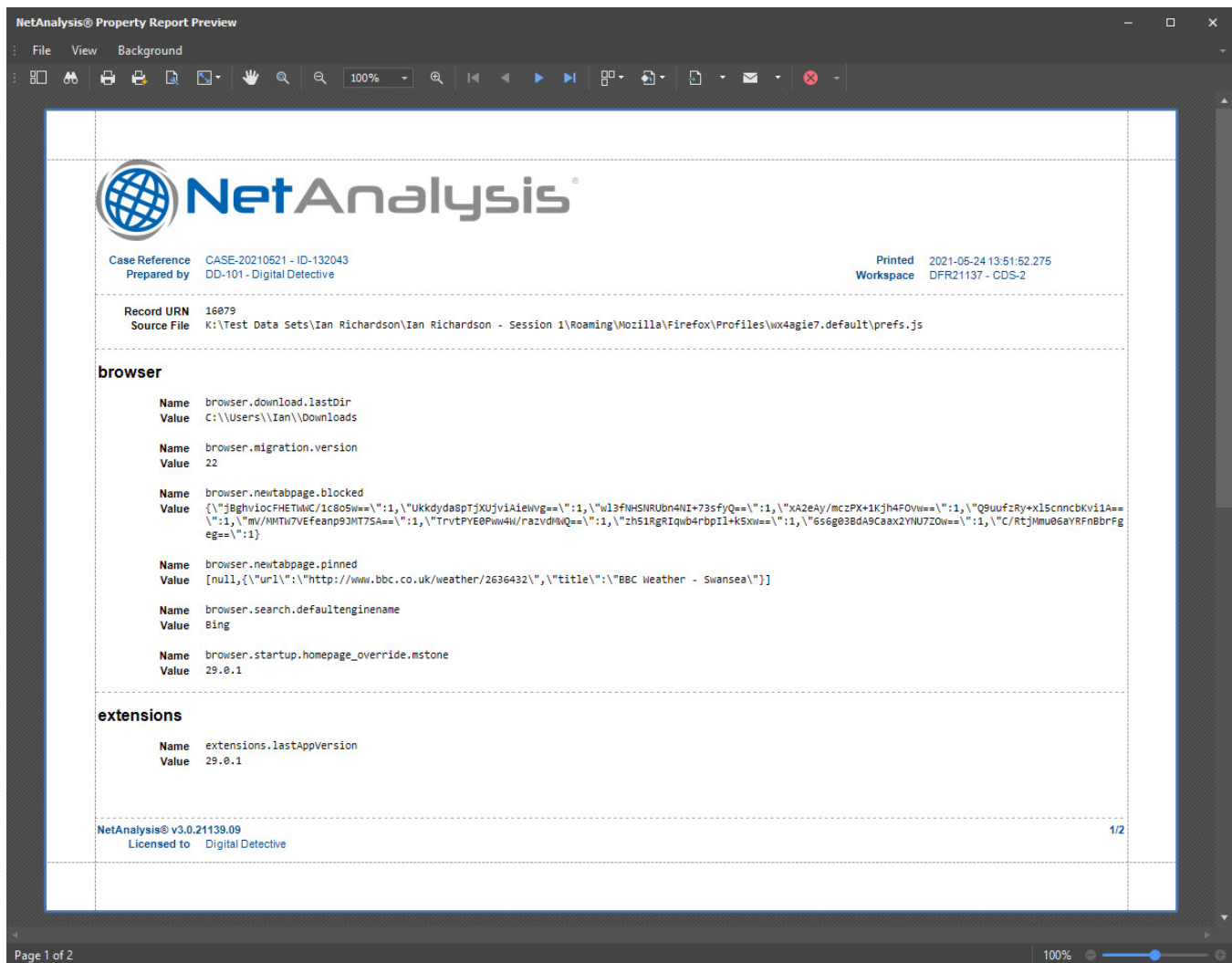


## New Properties Examiner

The **Properties Examiner** allows the user to view and perform detailed analysis on the various Preference values set by Mozilla and Chromium-based browsers. You can search, filter, group, sort and even print reports on the extensive property sets available. We have added support for saving and loading Property Filters to make it easier to identify items of interest. Various timestamp property values are automatically converted to Date/Time values and displayed in their own column. Property types are identified by a small icon before the Property Name.







## Improved Search Index

The Search Index database is a powerful feature of NetAnalysis@ and has been enhanced in this release. It allows the user to rapidly search across the text extracted from the input data and identify key items of interest. We have updated the search syntax to include wild-card characters. The image below shows how to use a wild-card search to identify all email addresses in the search index:

Search Index

@\*.\*

Search

Close

URN	File Path	Hits	Score
239	J:\CASE-20210521\ID-132043\Mozilla Firefox\HTML to Text\F0000000239.txt	1	1
241	J:\CASE-20210521\ID-132043\Mozilla Firefox\HTML to Text\F0000000241.txt	1	1
1463	J:\CASE-20210521\ID-132043\Mozilla Firefox\HTML to Text\F0000001463.txt	1	1
1483	J:\CASE-20210521\ID-132043\Mozilla Firefox\HTML to Text\F0000001483.txt	1	1
3317	J:\CASE-20210521\ID-132043\Mozilla Firefox\HTML to Text\F0000003317.txt	1	1
3413	J:\CASE-20210521\ID-132043\Mozilla Firefox\HTML to Text\F0000003413.txt	1	1
4630	J:\CASE-20210521\ID-132043\Mozilla Firefox\HTML to Text\F0000004630.txt	1	1
8467	J:\CASE-20210521\ID-132043\Mozilla Firefox\HTML to Text\F0000008467.txt	2	1
11111	J:\CASE-20210521\ID-132043\Mozilla Firefox\HTML to Text\F0000011111.txt	1	1
12208	J:\CASE-20210521\ID-132043\Mozilla Firefox\HTML to Text\F0000012208.txt	2	1
14224	J:\CASE-20210521\ID-132043\Mozilla Firefox\HTML to Text\F0000014224.txt	13	1

Record 2 of 121

Yeah man, what do you need?

Add me on Facebook - Ian Richardson

----- Original Message -----

From: Victor Bushell

Sent: 05/13/14 09:25 AM

To: [ian.richardson@activist.com](mailto:ian.richardson@activist.com)

Subject: Cardiff

Can you do some work for me in Cardiff. We met a week back & you were interested.

Let me know

J:\CASE-20210521\ID-132043\Mozilla Firefox\HTML to Text\F0000000241.txt
Document Search Hit: 1 of 1

## Zone Identifier ADS

NetAnalysis® v3 now checks for Zone.Identifier Alternate Data Streams when processing files. When a file is downloaded, a Zone.Identifier ADS is created and can contain the source URL of the download. The Information panel will show the various metadata properties for the download.

NetAnalysis® v3.1 - Forensic Internet History Analysis - [Zone.Identifier]

FileViewToolsSearchFilterIndexReportsColumnWindowHelp

(UTC+00:00) Dublin, Edinburgh, Lisbon, London

Decoded URL

https://github-releases.githubusercontent.com/46080325/222bab80-a5d0-11eb-9527-491a5b97e8e4?  
X-Amz-Algorithm=AWS4-HMAC-SHA256  
&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A/20210524/us-east-1/s3/aws4\_request  
&X-Amz-Date=20210524T073326Z  
&X-Amz-Expires=300  
&X-Amz-Signature=7907877c6b99d425b21d1024d95e6d1787d2bfa169e996f4fe26fbf6142c2470  
&X-Amz-SignedHeaders=host  
&actor\_id=0  
&key\_id=0  
&repo\_id=46080325

Entry Type	Scheme	Date Visited [UTC]	Date Visited [Local]	Visits	URL
Zone Identifier	https	2021-05-25 10:56:29.761	2021-05-25 10:56:29.761		https://fra-zip-04.easynews.com/5d729f02xftjm9VnNlW_m2xD4b5JhuTDhc-8JoiqKL3Lu9cO76VE2FmvVPusIhhsdkvg0VqUJvIXVVVhWxgrVWBQ
Zone Identifier	https	2021-05-25 10:56:34.312	2021-05-25 10:56:34.312		https://fra-zip-04.easynews.com/8fae4f71kMY7XfEtp6TEt2z7V3atl.ergy3p5_h8wcGsOYJ72L1z0fw9TTZJF3glIGtygrDE0P38hXkr_y3Iyv0eoNBv
Zone Identifier	https	2021-05-25 10:56:38.881	2021-05-25 10:56:38.881		https://fra-zip-03.easynews.com/bc3e2c3ewBUuAizPyKw31bdu6UM-qqvqOQtdR0rvf8YQa-SNC0eAJCxx5w64j9uMcg56AkUYGD943Fbr69m8
Zone Identifier	https	2021-05-25 10:56:07.569	2021-05-25 10:56:07.569		https://fra-zip-03.easynews.com/8b084ef83WDTY4IGgYVJODMXiaJf2gvawz7xnthX6jab0XeGIGg50oQSQxchDA2SEhwYudRb7gIBfZr7mIzoUkE1
Zone Identifier	https	2021-05-25 10:56:13.145	2021-05-25 10:56:13.145		https://fra-zip-05.easynews.com/74067143bsaoTsClQ3gBHKRVE3NDIR-Zpet5YXAvXoHX1QtgjCAFS6_XUCfv0RF4q4wmEDWOAGF7Dl6FkpWjgp
Zone Identifier	https	2021-05-24 09:53:41.851	2021-05-24 09:53:41.851		https://storage.googleapis.com/support-kms-prod/Y2dvjj4vUhx0iLqzWmhjplW3b38alWuW8L
Zone Identifier	https	2021-05-24 08:33:53.065	2021-05-24 08:33:53.065		https://github-releases.githubusercontent.com/46080325/222bab80-a5d0-11eb-9527-491a5b97e8e4?X-Amz-Algorithm=AWS4-HMAC-SHA256
Zone Identifier	https	2021-05-24 08:33:27.845	2021-05-24 08:33:27.845		https://github-releases.githubusercontent.com/46080325/222bab80-a5d0-11eb-9527-491a5b97e8e4?X-Amz-Algorithm=AWS4-HMAC-SHA256
Zone Identifier	https	2021-02-12 09:13:33.538	2021-02-12 09:13:33.538		https://downloads.pwnedpasswords.com/passwords/pwned-passwords-sha1-ordered-by-hash-v7.7z

Record 7 of 9

Tag = Checked

Edit Filter

Information

1File Information

2Name: win-acme.v2.1.17.1065.x64.pluggable(1).zip

3Location: D:\Downloads

4Date Created [UTC]: 2021-05-24 07:33:53.065

5Date Modified [UTC]: 2021-05-24 07:34:07.137

6Length: 31868672 (30.39 MB)

7

8Zone Transfer

9Zone ID: 3 (Internet)

10Length: 614 (0.60 KB)

www.digital-detective.net

D:\Downloads\win-acme.v2.1.17.1065.x64.pluggable(1).zip:Zone.Identifier:\$DATA

FO: 0

9

## Change Log

To review the full list of changes for this release, please see: [Change Log v3.0](#).

## Release Notes for HstEx® Version 5.0

Don't forget to review the release notes for HstEx® which can be found here: [HstEx v5.0 Release Notes](#).