



The full list of changes can be found here: [NetAnalysis® v4.2 Change Log](#).

## Release Notes for HstEx® Version 6.2

Please also review the release notes for HstEx® which can be found here: [HstEx® v6.2 Release Notes](#).

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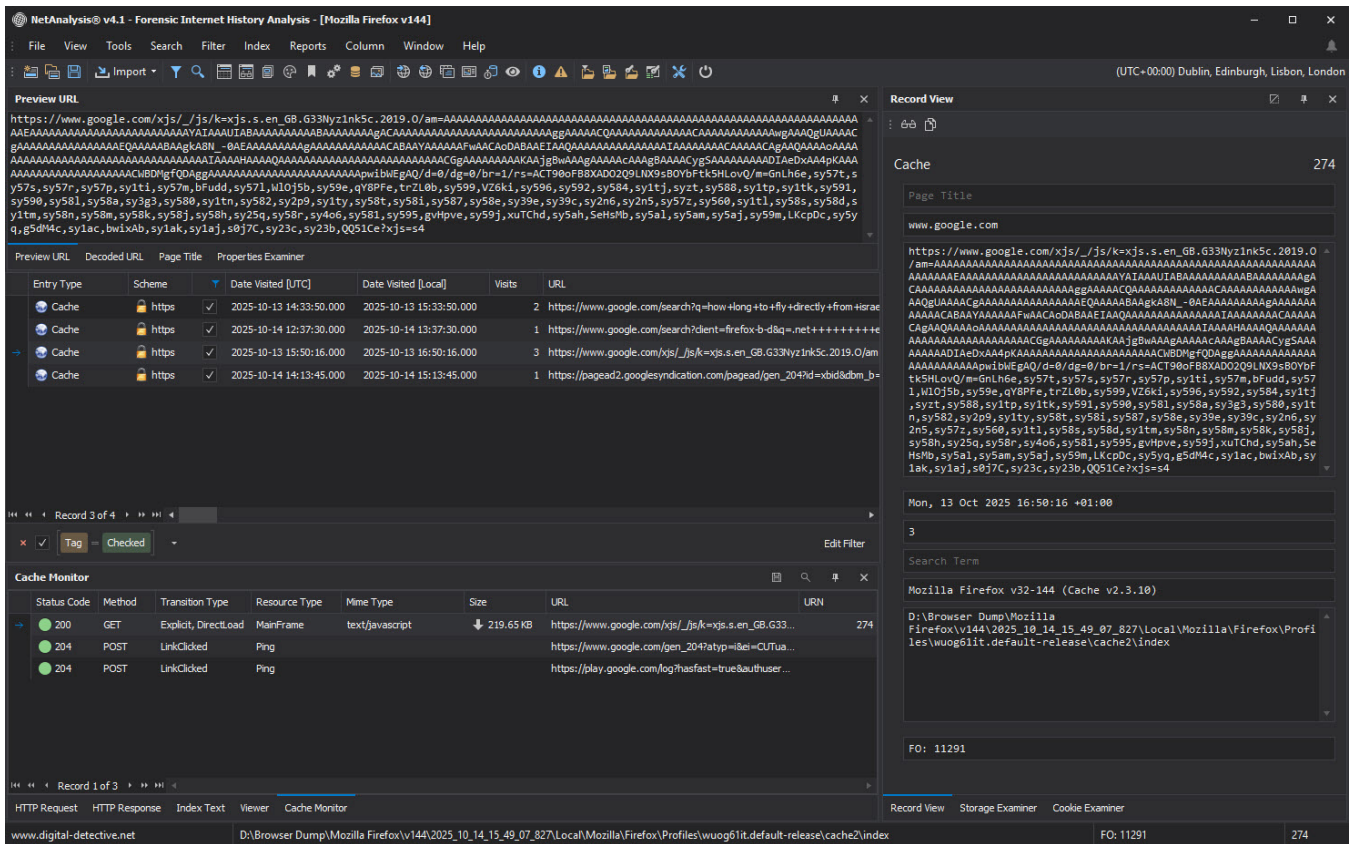
## NetAnalysis® Version 4.1



- [Release Notes for NetAnalysis® Version 4.1](#)
- [New Features](#)
  - [Enhanced Decryption Capabilities](#)
  - [Comprehensive Browser Coverage](#)
  - [Improved Safari Artefact Support](#)
  - [Advanced UC Browser Support](#)
  - [Samsung Internet Analysis Enhancements](#)
  - [Updated Support for Opera on Android](#)
  - [Improved Sleipnir Mobile on Android Handling](#)
- [NetAnalysis® Change Log](#)
- [Release Notes for HstEx® Version 6.1](#)

## Release Notes for NetAnalysis® Version 4.1

Welcome to NetAnalysis® v4.1, a major update that delivers our most comprehensive browser coverage to date. This release introduces enhanced decryption support for the latest Mozilla Firefox and UC Browser encryption algorithms, improved handling of Apple Safari WebKit caches and profiles, and broader compatibility across Chrome, Edge, Brave, Opera, Vivaldi, and other modern browsers. With extended mobile platform support and a range of workflow refinements, NetAnalysis® v4.1 continues to set the benchmark for reliable and precise browser forensic analysis.



## New Features

### Enhanced Decryption Capabilities

New support for Firefox's latest encryption algorithms and UC Browser's secure storage mechanisms enables the decryption and analysis of artefacts previously inaccessible to investigators.

### Comprehensive Browser Coverage

Support has been added for hundreds of new browser versions across Windows, macOS, iOS, and Android, including Chrome, Edge, Firefox, Brave, Opera (Opera One and Opera GX), Vivaldi, Yandex, and more, ensuring complete coverage of current platforms.

### Improved Safari Artefact Support

Expanded support for Apple Safari WebKit Disk Cache and profile-based artefacts enhances the accuracy of data extraction from macOS and iOS environments.

### Advanced UC Browser Support

Expanded recovery for UC Browser artefacts on iOS, including History, Bookmarks, Login Data, and Video Play History, providing deeper visibility into user activity.

### Samsung Internet Analysis Enhancements

Added new support for Samsung Internet Browser Search History and Quick Access shortcuts, ensuring thorough coverage of this widely used Android browser.

### Updated Support for Opera on Android

Added new support for Opera on Android for sessions and tabs.

### Improved Sleipnir Mobile on Android Handling

Added new support for Sleipnir on Android closed tabs.

## NetAnalysis® Change Log

The full list of changes can be found here: [NetAnalysis® v4.1 Change Log](#).

## Release Notes for HstEx® Version 6.1

Please also review the release notes for HstEx® which can be found here: [HstEx® v6.1 Release Notes](#).

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## NetAnalysis® Version 4



- [Release Notes for NetAnalysis® Version 4.0](#)
- [Record View](#)
- [Image Gallery](#)
- [Storage Examiner](#)
- [Examination and Analysis](#)
- [JSON Examiner](#)
- [UI Improvements](#)
- [Expanded Browser Support](#)
- [Summary](#)
- [NetAnalysis® Change Log](#)
- [Release Notes for HstEx® Version 6.0](#)

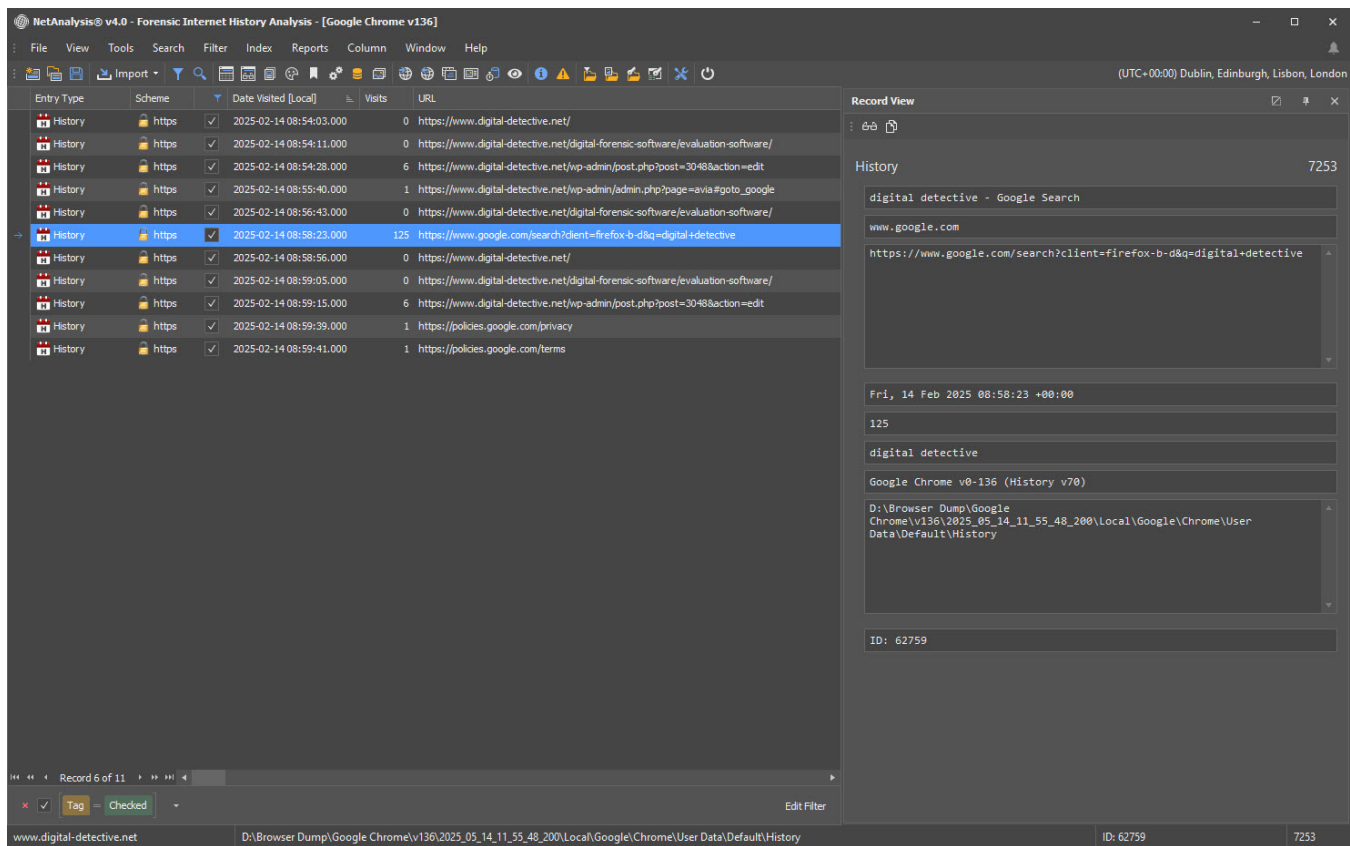
## Release Notes for NetAnalysis® Version 4.0

We are delighted to announce the release of **NetAnalysis® v4.0**, a major update that brings powerful new features, enhanced performance, and a refined user interface, all designed to help forensic examiners work faster and more efficiently. This release marks a significant step forward in browser forensic analysis, with a suite of advanced tools to support the evolving landscape of browser-based evidence.

Whether you're examining thousands of cached images, deep-diving into client-side storage, or unravelling the structure of complex URLs, NetAnalysis® v4.0 gives you the tools you need to uncover the truth with clarity and precision.

### Record View

The new Record View is a dockable panel integrated into the main form, providing a concise summary of key columns for the selected row. This feature enhances your ability to quickly assess and interpret data, streamlining your analysis process. As shown below, the panel displays critical information at a glance, allowing you to focus on the most relevant details without navigating through multiple windows.

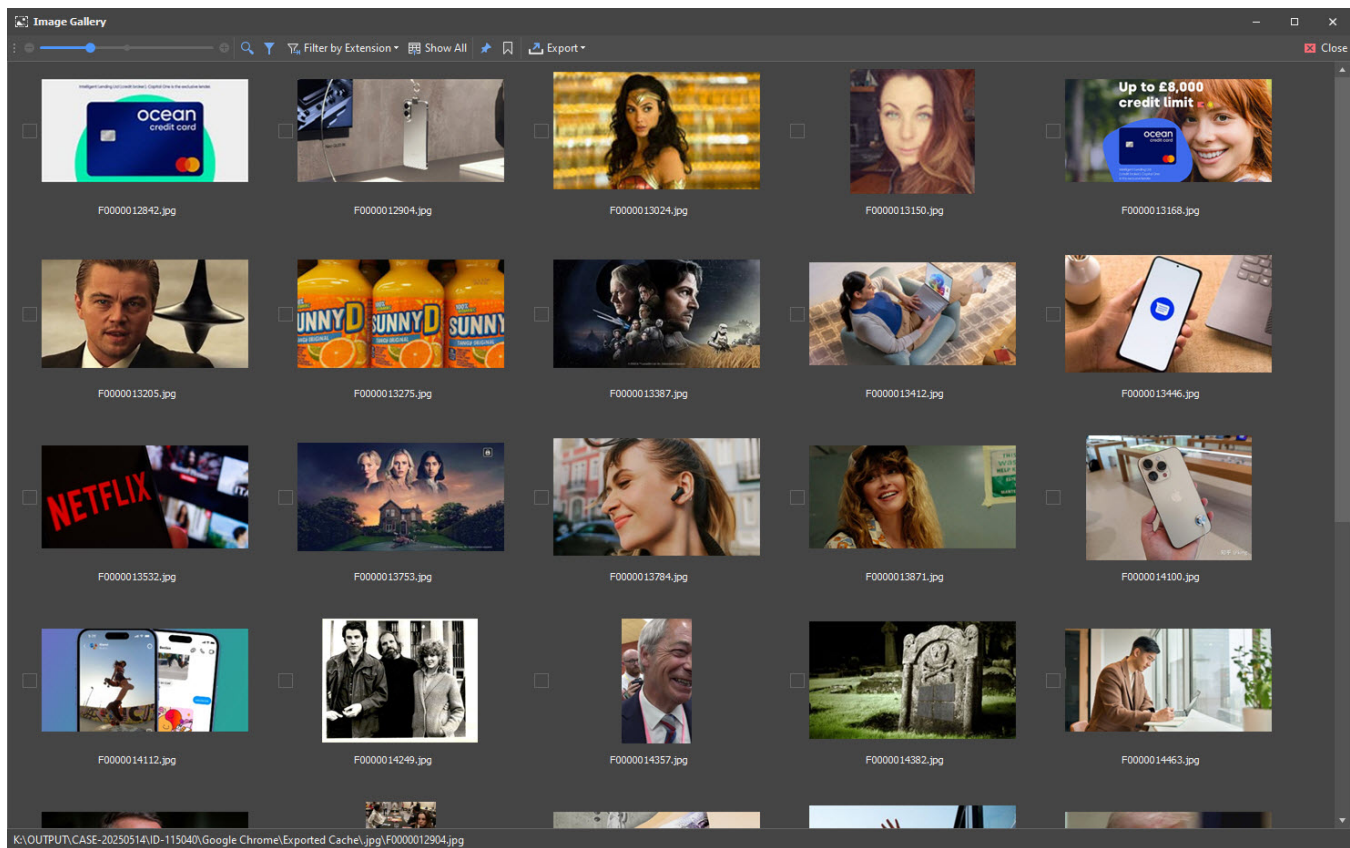


## Image Gallery

NetAnalysis® now includes an **Image Gallery Viewer**, a new thumbnail-based image viewer that makes it easy to browse, review, and manage cached images, preview thumbnails, FavIcons and more. With support for JPEG, PNG, SVG, WebP, GIF, BMP, and ICO formats, this grid-style viewer allows you to:

- View all recovered images in one place
- Tag, bookmark, and filter relevant images
- Export selected images for further investigation

Ideal for quickly assessing visual content and identifying key artefacts.

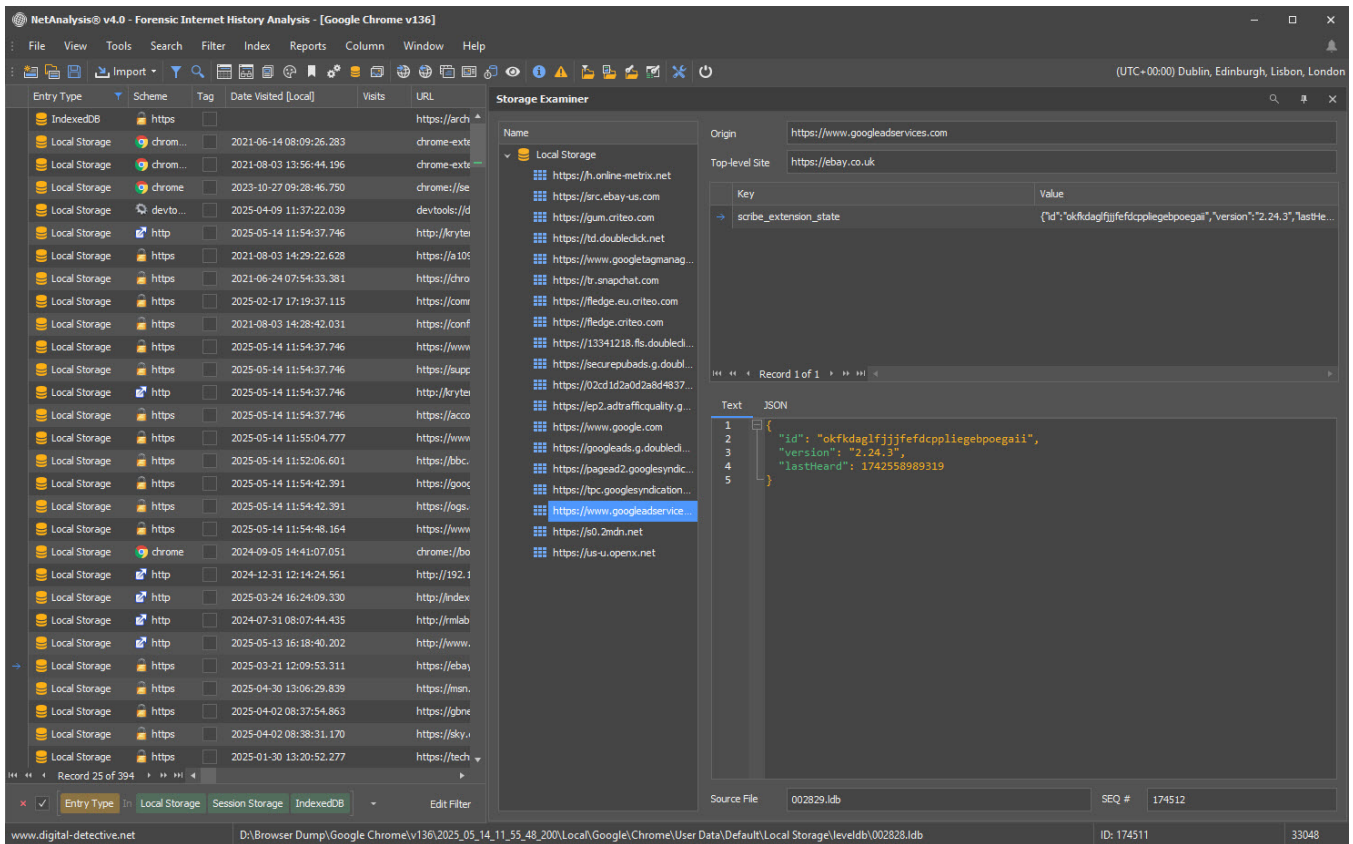


## Storage Examiner

The new **Storage Examiner** brings deep analysis capabilities for **Local Storage**, **Session Storage**, and **IndexedDB** entries. With a structured view of client-side storage, you can:

- Search and filter JSON key-value pairs
- Decode and examine deeply nested data structures
- Export selected data to XLSX, CSV, PDF or text formats

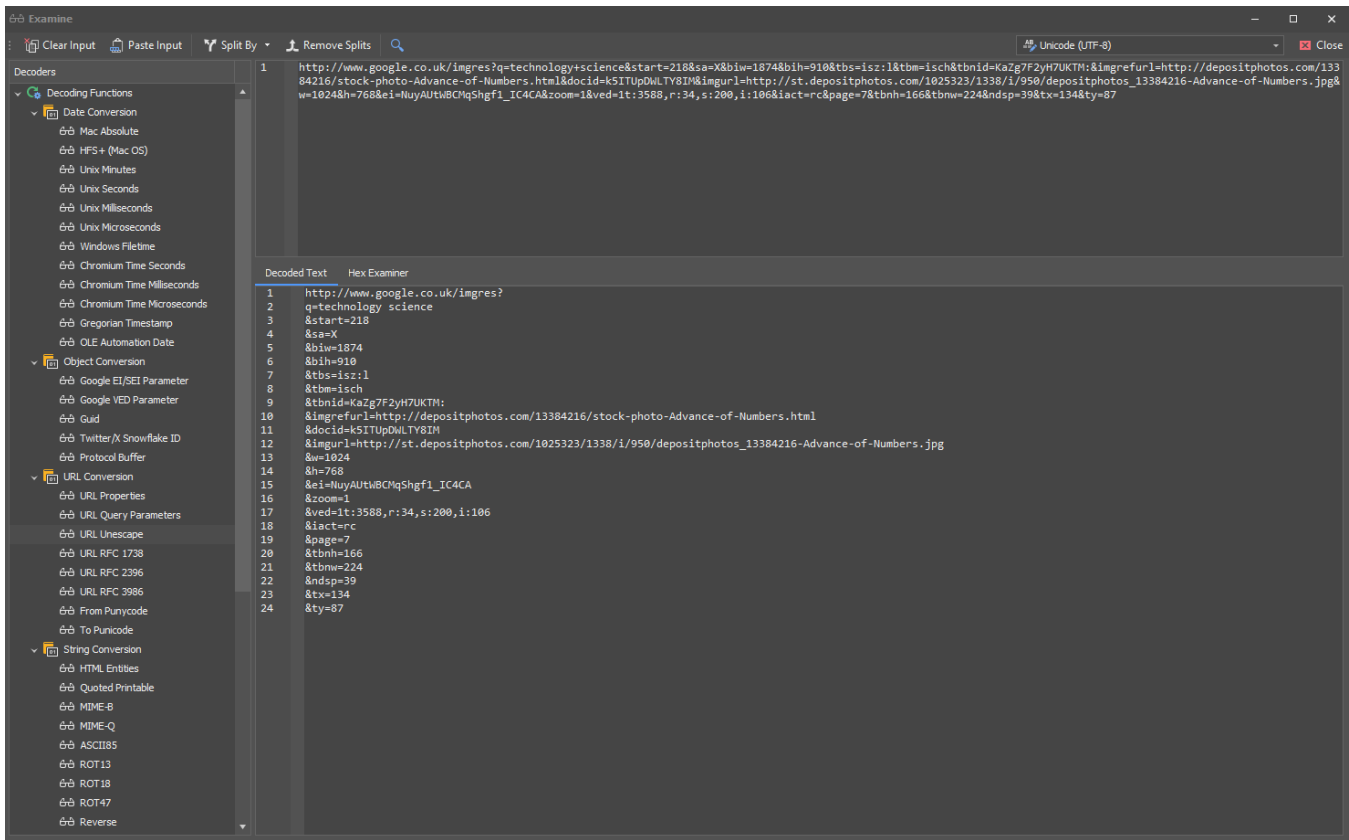
This is a significant enhancement for anyone investigating modern web applications and single-page apps.



## Examination and Analysis

The **Examination and Analysis** Form has been significantly upgraded with a suite of new decoders and analytical tools:

- The Decoded Text Tab now automatically detects and formats JSON, offering coloured text and code folding for improved readability.
- A dedicated JSON Examiner Tab allows for in-depth viewing and examination of JSON data.
- New decoders for Google URL VED Parameters, URL Dot Separated Values, Google Protocol Buffers in URLs, URL Query Parameters, and MIME-Q and MIME-B provide advanced capabilities for performing analysis on URL components and encoded data.
- Hashing tools for MD5, SHA-1, SHA-256, SHA-384, SHA-512, and RIPEMD-160 have been added, along with viewers for URL search Query Parameters and URL Components, making this a comprehensive toolkit for forensic analysis.
- We have also added the ability to perform cascade analysis. Any text or field can be selected for further analysis in a NEW Window, allowing the user to drill-down to the data they seek.

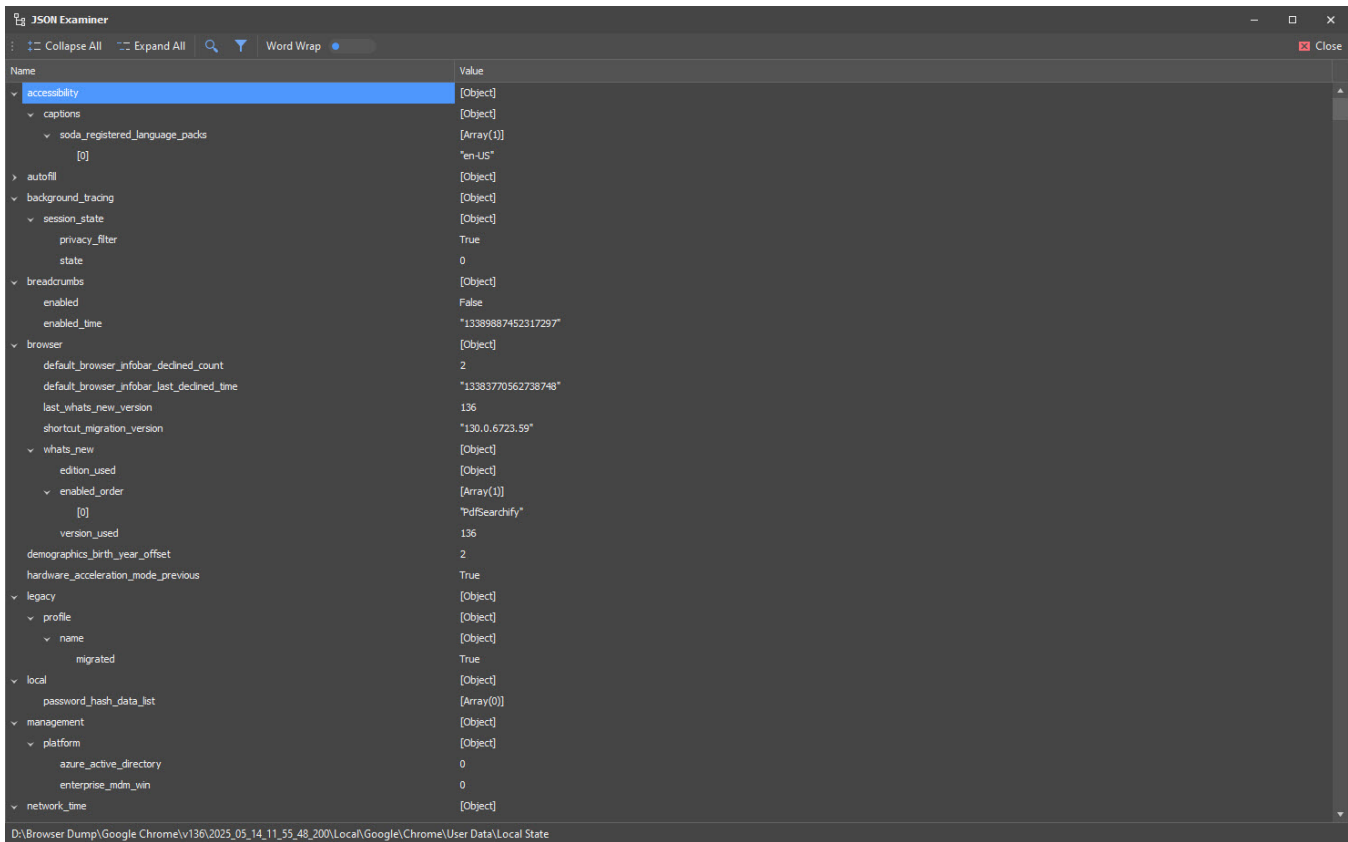


## JSON Examiner

JSON is everywhere; now you can drill-down and perform analysis on JSON source files. The new **JSON Examiner**, accessible via the **Tools** menu, allows you to:

- View and format unstructured JSON files
- Search and filter content
- Expand and collapse nested structures

Perfect for analysing preference files, configuration settings, and client-side storage.



## UI Improvements

This release also includes a range of UI enhancements to improve workflow and usability:

- The **Filter menu** has been considerably expanded and has quick access to common and predefined filters
- We have made numerous improvements to layout, panel management, and column resizing
- Updated icons and visual polish for an even more intuitive experience

## Expanded Browser Support

NetAnalysis® v4.0 includes updated support for hundreds of browser versions across Chrome, Firefox, Edge, Safari, Opera, and more, including both desktop and mobile platforms. This ensures continued compatibility with the latest releases and artefact formats.

## Summary

NetAnalysis® v4.0 is a major milestone in forensic browser analysis, delivering both powerful new functionality and workflow improvements that make your job easier, faster, and more accurate. As always, we look forward to hearing how these new features help your investigations. If you have any questions or suggestions, please get in touch with our support team.

## NetAnalysis® Change Log

The full list of changes can be found here: [NetAnalysis® v4.0 Change Log](#).

## Release Notes for HstEx® Version 6.0

Don't forget to review the release notes for HstEx® which can be found here: [HstEx® v6.0 Release Notes](#).

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## NetAnalysis® Version 3.8



- [Release Notes for NetAnalysis® Version 3.8](#)
- [Change Log](#)
- [Release Notes for HstEx® Version 5.8](#)

## Release Notes for NetAnalysis® Version 3.8

We are thrilled to announce the release of NetAnalysis® v3.8, packed with exciting updates and enhancements to bolster your digital investigation capabilities. This version brings comprehensive support for the latest browsing technologies, ensuring you stay ahead in uncovering crucial digital evidence. Here are the key highlights of this release:

- **Enhanced Browser Support:** NetAnalysis® v3.8 includes robust support for the latest browsers, empowering you to delve deep into digital artifacts across various browsing platforms with unmatched precision.
- **Adaptation to Browser Changes:** Keeping pace with the dynamic landscape of digital forensics, we have incorporated support for the latest changes in both mobile and desktop browsers. This ensures seamless extraction and analysis of critical data, even in the face of evolving browser technologies.
- **Expanded Browser Version Coverage:** With the addition of 24 new browser versions, NetAnalysis® v3.8 offers an extensive scope for investigation, enabling you to explore a wider array of digital footprints and extract valuable insights efficiently.

Upgrade to NetAnalysis® v3.8 today and experience unparalleled proficiency in digital forensic analysis, empowering you to unravel complex digital trails with unparalleled precision and efficiency.

The screenshot displays the NetAnalysis v3.8 interface. The top section shows a table of cache entries with columns for Entry Type, Date Visited [UTC], Tag, Visits, URL, Cache Folder, and Cache File. The table lists various cache entries, including search results from Google and news articles from BBC. Below the table, there is a filter section with options for Entry Type (Cache), Content Type (text/html), and Cache File Exists (Exists). The bottom section shows a preview of a Google search for 'porsche 911 Turbo S', displaying search results for images of the car.

## 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](#).

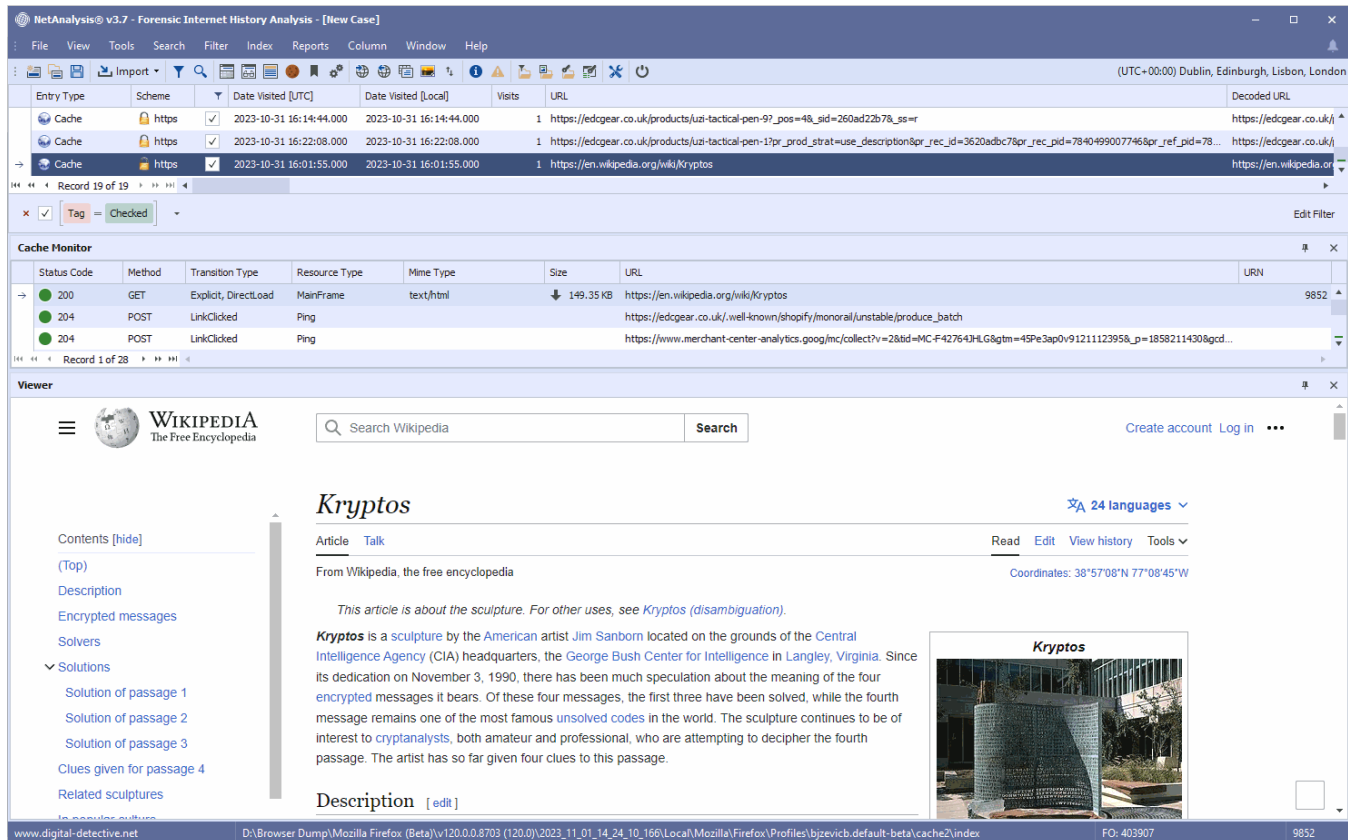
## NetAnalysis® Version 3.7



- [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 crucial 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](#).

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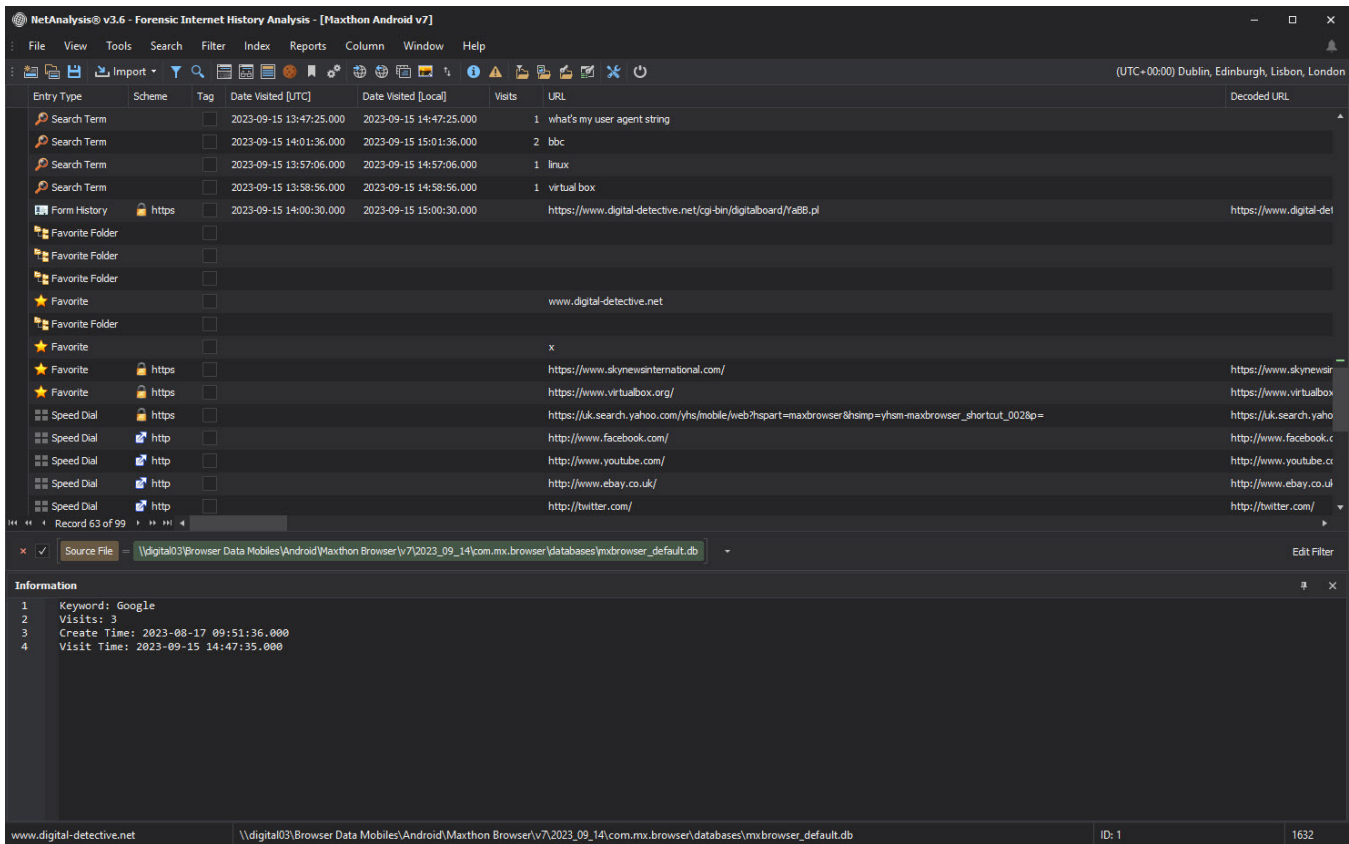
## NetAnalysis® Version 3.6



- [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.



## 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](#).

## 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.

The screenshot displays the NetAnalysis v3.5 interface for forensic internet history analysis. The main window shows a list of cache entries with columns for Entry Type, Scheme, Tag, Date Visited [UTC], Date Visited [Local], Visits, URL, and Decoded URL. The selected entry is a cache key for a news article image. Below the list, the 'Information' panel provides details about the cache key, file version, index write reason, date modified, and content type. The 'Cache Monitor' panel shows the status code (200), method (GET), transition type (Explicit, DirectLoad), resource type (MainFrame), mime type (image/jpeg), size (15.82 KB), and URL. A 'Viewer' panel shows a thumbnail of the image content.

Entry Type	Scheme	Tag	Date Visited [UTC]	Date Visited [Local]	Visits	URL	Decoded URL
Cache	https		2023-03-08 17:01:57.000	2023-03-08 17:01:57.000		https://i2-prod.myLondon.news/incoming/article25055975.ece/ALTERNATES/s270b/1_GettyImages-1243358955.jpg	https://i2-prod.myLon...
Cache	https		2023-03-08 16:54:49.000	2023-03-08 16:54:49.000		https://www.google.com/xjs/_js/k=xjs.s.en_GB.QjwSjduLYXU.O/cj=xjs.s.0mzr26c1Vew.L.W.O/am=IAQGVRTADYAAAGBABAQAAAAAABUAAM...	https://www.google.c...
Cache	https		2023-03-22 08:30:56.000	2023-03-22 08:30:56.000		https://www.google.com/xjs/_js/k=xjs.s.en_GB.w8VHC-U3faY.O/cj=xjs.s.AbMnxHtpXk.L.W.O/am=QoBANAnADYAAOICAwAAQAAAAAQAACAYQAI...	https://www.google.c...
Cache	https		2023-03-22 13:39:43.000	2023-03-22 13:39:43.000		https://cdn.ravenjs.com/3.14.2/raven.min.js	https://cdn.ravenjs.o...
Cache	https					https://fonts.gstatic.com/s/roboto/v29/KFOlCnqEu92Fr1MmEU9fB8c4.woff2	https://fonts.gstatic.c...
Cache	https					https://fonts.gstatic.com/s/roboto/v27/KFOlCnqEu92Fr1MmEU9fB8c4.woff2	https://fonts.gstatic.c...
Cache	https		2023-05-12 16:42:19.000	2023-05-12 16:42:19.000		https://abs.twimg.com/responsive-web/client-web/ondemand.EmojiPicker.696b403a.js	https://abs.twimg.com...
Cache	https		2023-04-06 11:14:22.000	2023-04-06 12:14:22.000		https://abs.twimg.com/responsive-web/client-web/ondemand.EmojiPicker.01ef209a.js	https://abs.twimg.com...
Cache	https					https://assets.msn.com/bundles/v1/views/latest/views-native-mon.c8846a608a0bd1e0ef6.js	https://assets.msn.cc...
Cache	https					https://assets.msn.com/bundles/v1/views/latest/views-native-mon.97c40ce62c53fd6c2983.js	https://assets.msn.cc...
Cache	https					https://fonts.gstatic.com/s/roboto/v27/KFOlCnqEu92Fr1MmWUfBBc4.woff2	https://fonts.gstatic.c...
Cache	https					https://fonts.gstatic.com/s/roboto/v29/KFOlCnqEu92Fr1MmWUfBBc4.woff2	https://fonts.gstatic.c...
Cache	https					285	285

**Information**

```
1 Cache Key: https://i2-prod.myLondon.news/incoming/article25055975.ece/ALTERNATES/s270b/1_GettyImages-1243358955.jpg
2 Cache File Version: 5
3 Cache Index Write to Disk Reason: Idle
4 Date Cache Last Modified [UTC]: 2022-09-27 12:09:17.394
5 Index File Version: 9
6
7 Cached Content Detection
8 Content Type: image/jpeg
```

**Cache Monitor**

Status Code	Method	Transition Type	Resource Type	Mime Type	Size	URL	URN
200	GET	Explicit, DirectLoad	MainFrame	image/jpeg	15.82 KB	https://i2-prod.myLondon.news/incoming/article25055975.ece/ALTERNATES/s270b/1_GettyImages-1243358955.jpg	19175

## 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](#).

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## 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					about:welcome
Tab	https		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						
Session			2023-03-02 14:43:49.303	2023-03-02 14:43:49.303		SessionStore (sessionstore)
Search Engine						
Search Engine						
Search Engine						
Search Engine						
Search Engine						
Search Engine						
Protection			2023-03-02 00:00:00.000	2023-03-02 00:00:00.000		
Protection			2023-03-02 00:00:00.000	2023-03-02 00:00:00.000		
Protection			2023-03-02 00:00:00.000	2023-03-02 00:00:00.000		
Preferences						
Bookmark Tag	https		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.html#z=
Bookmark Folder						
Bookmark Tag	https		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		2023-02-12 18:33:44.795	2023-02-12 18:33:44.795	1	https://www.marshfarmhall.co.uk/about/
Bookmark Folder						
Bookmark Tag	https		2023-02-08 17:43:57.003	2023-02-08 17:43:57.003	2	https://www.puredeaningroupltd.co.uk/services/gutter-clearance-and-maintenance/
Bookmark Folder						
Bookmark Tag	https		2023-02-08 17:43:57.003	2023-02-08 17:43:57.003	2	https://www.puredeaningroupltd.co.uk/services/gutter-clearance-and-maintenance/
Bookmark Tag	https				0	https://www.freecodecamp.org/news/web-scraping-sci-fi-movies-from-imdb-with-python/
Bookmark Folder						
Bookmark Tag	https		2023-02-14 11:13:56.695	2023-02-14 11:13:56.695	19	https://chat.openai.com/auth/login
Bookmark Folder						
Bookmark Tag	https		2023-02-14 11:13:56.695	2023-02-14 11:13:56.695	19	https://chat.openai.com/auth/login
Bookmark Tag	https				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\tr0q14i.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](#).

## 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. At the top, there is a menu bar with options: File, View, Tools, Search, Filter, Index, Reports, Column, Window, Help. Below the menu is a toolbar with various icons. The main area shows a table of cached entries with columns: Entry Type, Scheme, Date Visited [UTC], Date Visited [Local], Visits, URL, Host Name, and Absolute Path. The entries include URLs from ebay.co.uk, tnyjpg.com, printfriendly.com, and ciphermysteries.com. Below the table is a 'Cache Monitor' window showing a detailed view of a resource request. The Cache Monitor table has columns: Status Code, Method, Transition Type, Resource Type, Mime Type, Size, URL, and URN. The first entry shows a 200 status code for a GET request of a text/html resource (176.40 KB) from ciphermysteries.com. Other entries show requests for CSS files, JavaScript files, and fonts. At the bottom of the screenshot, a portion of a web page is visible, featuring the 'Cipher Mysteries' logo and navigation links such as 'ABOUT', 'VOYNICH MANUSCRIPT', 'TAMAM SHUD / SOMERTON MAN', 'MASONIC CIPHERS', 'OTHER CIPHERS', 'THE SECRET HISTORY OF THE ROSICRUCIANS', 'JUAN ROGET', 'MONA LISA, BUT MADE OF...', and 'MISC STUFF'. A featured article titled '02 DEAD PIGEON SPARKS WW2 CIPHER MYSTERY...' is also visible.

## 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](#).

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## 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.

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

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	Logon User	Logon 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-parsley2019@gmail.com	^\$P1a7u=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	rI6GQyU)0%a ~-lp]SEwz	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	8M+[R4<23zxu9I-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	PtWvcg_lbu\$AHLstJX)A	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(CXQHJ#(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,,YQc[Hi>)awuidt	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	fe4k^*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/ra88.pl	abcde fghijklmnopqrstuvwxyz	~:;dQXBRvI ]~u KZnu^?J[E{#jxDc}	https://www.digital-detective.net/cgi-bin/digitalboard/ra88.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/

Record 1 of 9372

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: E2F9EBAB879CDBACE8A1A4BF988688F0B9EAB99684FC...5ACF4E581819DCA
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 13:09:21.008
14 Skip Zero Click: False
15 Generation Upload Status: No Signal Sent
16 Date Last Used [UTC]: 2021-09-13 13:09:19.309

```

www.digital-detective.net \\digital03\Browser Data Mobiles\Android\UC Browser\v13\2021\_09\_16 (3)\com.UCMobile.int\app\_u4\_webview\p\_data ID: 1

## 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.

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?downcode=sv0by94fh9z99g...	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-GB/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://deacans.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	deacans.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://alushost-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	alushost-swe.dl.sourceforge

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)

## 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

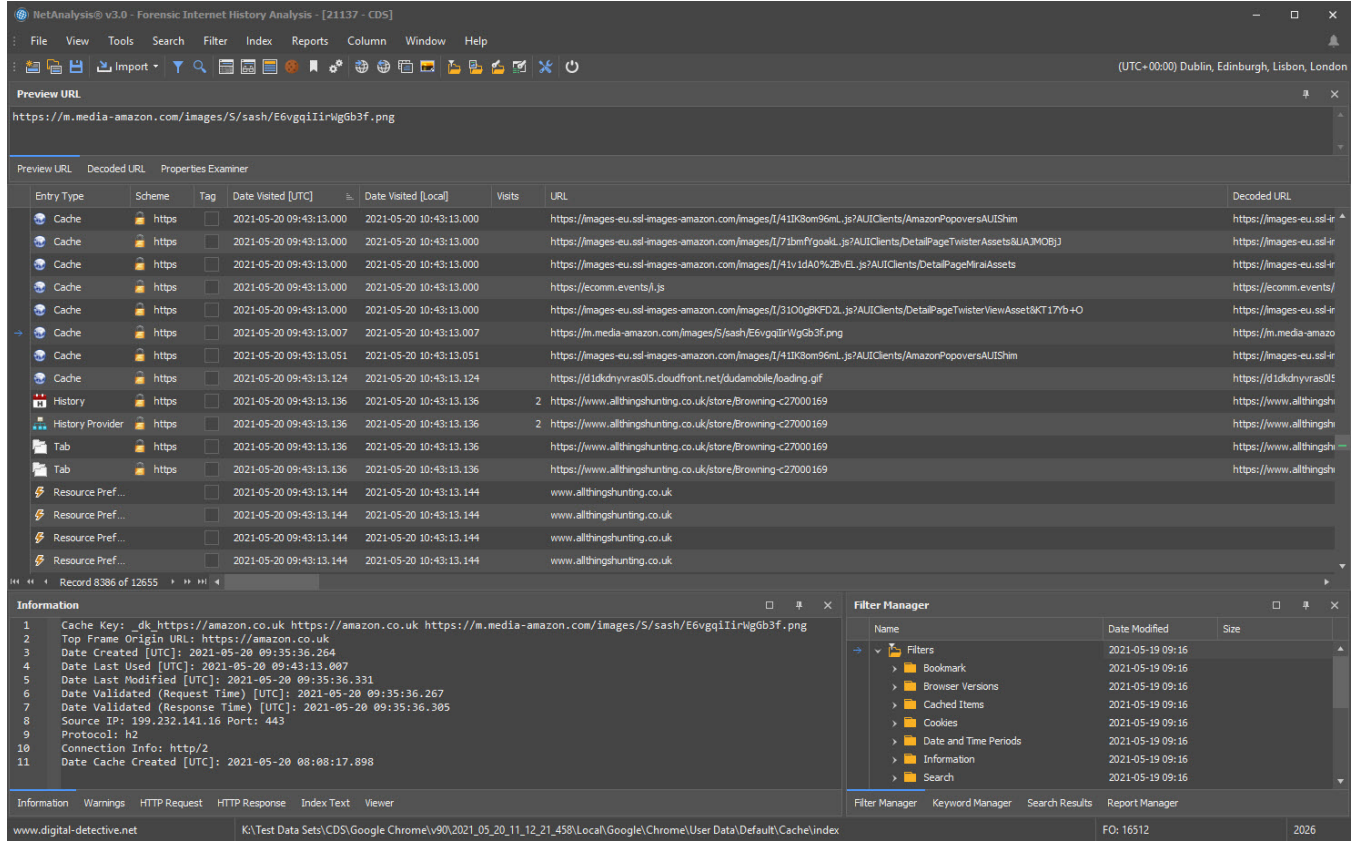


- [Release Notes for NetAnalysis® Version 3.0](#)
- [Enhanced Filtering](#)
  - [New Filter Editor](#)
- [Progress Filtering](#)
- [New Properties Examiner](#)
- [Improved Search Index](#)
- [Zone Identifier ADS](#)
- [Change Log](#)
- [Release Notes for HstEx® Version 5.0](#)

## 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.



## 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]

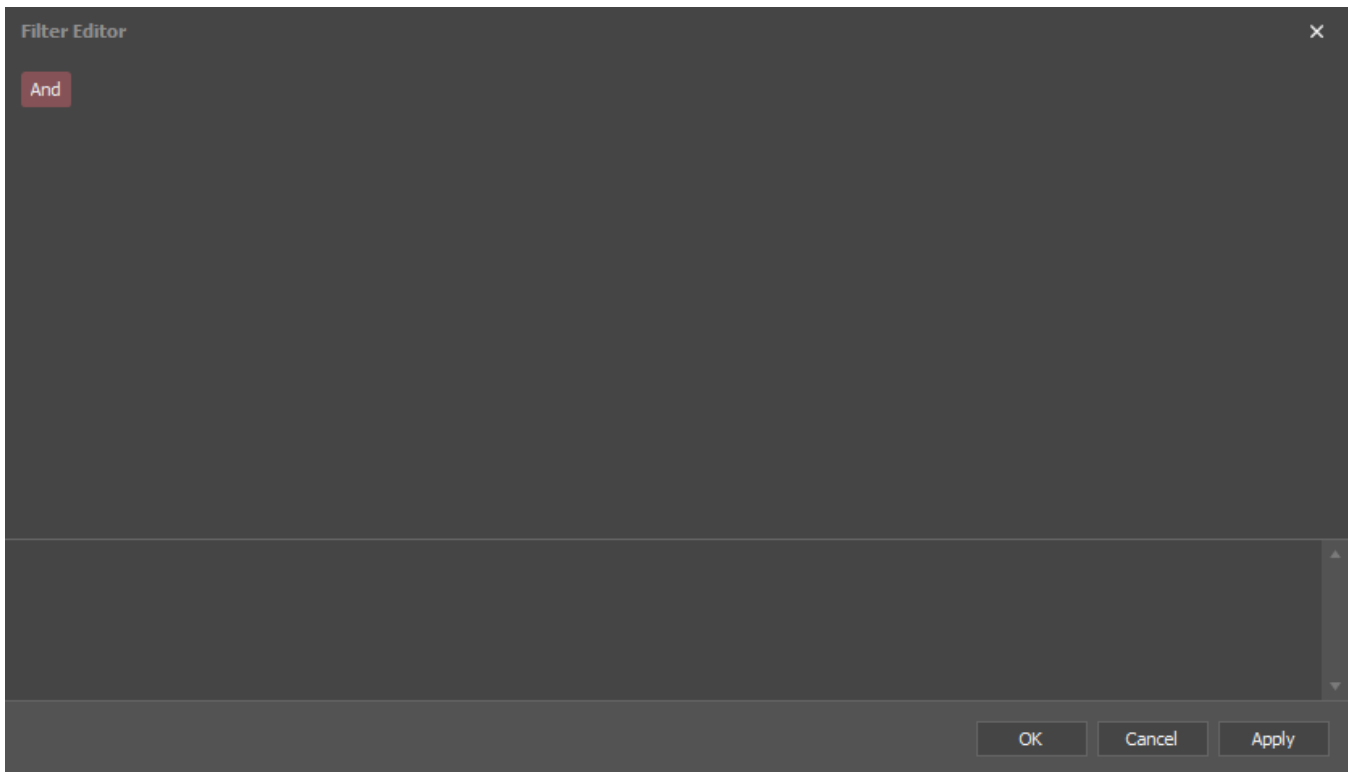
File View Tools Search Filter Index Reports Column Window Help

Import

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/

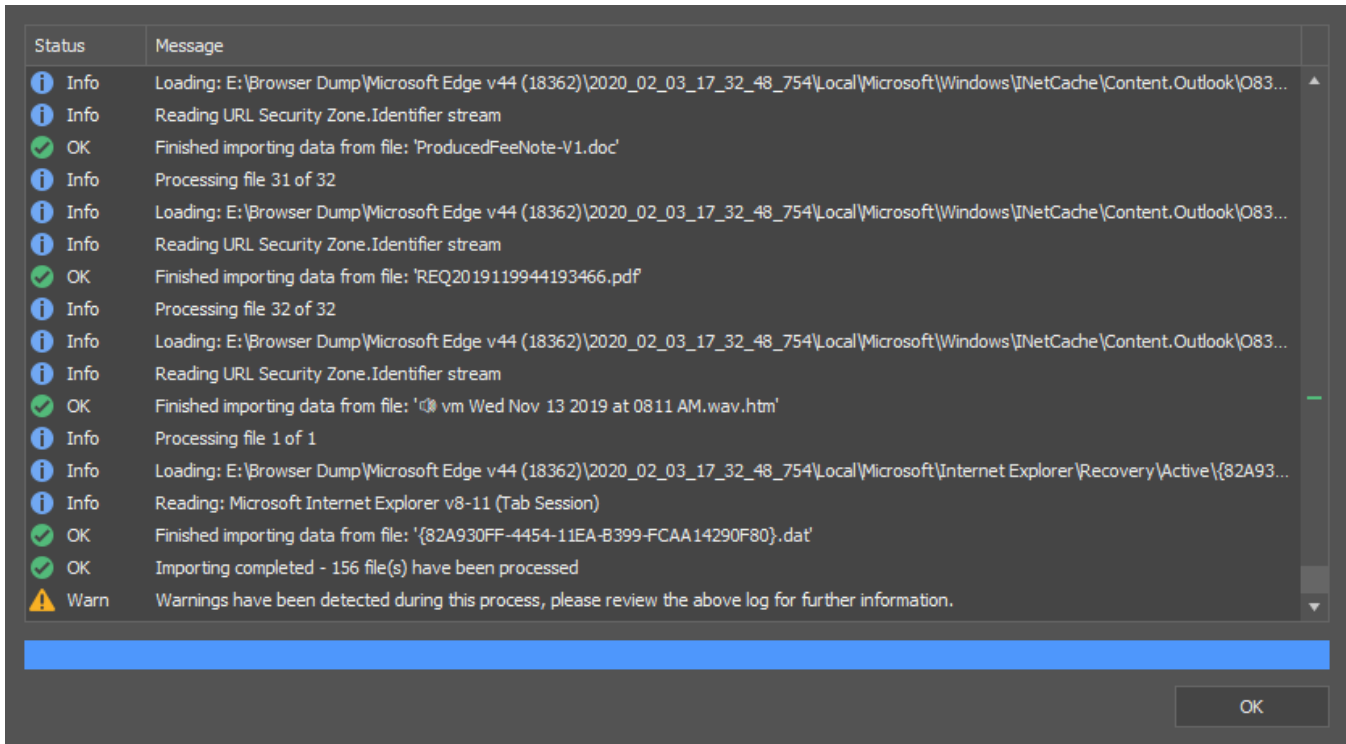
## New Filter Editor

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.



## 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.



NetAnalysis® Property Report Preview

File View Background

100%


**NetAnalysis®**

Case Reference CASE-20210521 - ID-132043  
 Prepared by DD-101 - Digital Detective

Printed 2021-05-24 13:51:52.275  
 Workspace DFR21137 - CDS-2

Record URN 16079  
 Source File K:\Test Data Sets\Ian Richardson\Ian Richardson - Session 1\Roaming\Mozilla\Firefox\Profiles\wx4gie7.default\prefs.js

**browser**

Name browser.download.lastDir  
 Value C:\Users\Iain\Downloads

Name browser.migration.version  
 Value 22

Name browser.newtabpage.blocked  
 Value {"jBghvIOCHEtMwC/1c805w==":1,"Ukkdyda8pTjXUjviAielw==":1,"w13fNHsNRubn4NI+73sfyQ==":1,"XA2eAy/mczPX+1Kjh4FOVw==":1,"Q9uufzRy+x15cnnckvi1A==":1,"mV/MMTw7VEfeanp9JMT75A==":1,"TrvTPYE0Pww4W/razvdMwQ==":1,"zh51RgRIqwb4rbp1l+k5Xw==":1,"66g03BdA9Caax2YwU7ZOW==":1,"/C/RtjMmu06ayRfBbrFgeg==":1}

Name browser.newtabpage.pinned  
 Value [null,{"url":"http://www.bbc.co.uk/weather/2636432","title":"BBC Weather - Swansea"}]

Name browser.search.defaultenginename  
 Value Bing

Name browser.startup.homepage\_override.mstone  
 Value 29.0.1

**extensions**

Name extensions.lastAppVersion  
 Value 29.0.1

NetAnalysis® v3.0.21139.09  
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Page 1 of 2

100%

## 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

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]

File View Tools Search Filter Index Reports Column Window Help

(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=7907877cfb99d425b21d1024d95e6d1787d2bfa169e996f4fe26fbf6142c2470
&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/5d729f02xfjm9VnHlW_m2x04b5JhUtdhc-8JoiqkL3Lu9cO76VE2FmvVPusIhhsdkvg0VqUjvIXVvVhWxgrVWBQ
Zone Identifier	https	2021-05-25 10:56:34.312	2021-05-25 10:56:34.312		https://fra-zip-04.easynews.com/8fae4f71kMY7xFeTp6TEt2z73atl.ery3p5_h8wcGsOYJ72L1z0fw9TTZJF3glGtygrDE0P38hXkr_y3yv0eoNBV
Zone Identifier	https	2021-05-25 10:56:38.881	2021-05-25 10:56:38.881		https://fra-zip-03.easynews.com/bc3e2c3ewBUuAizPyKw31bdu6UM-qqqvqOQtdR0rvf8YQa-SNC0eAJCX5wB4Jq9UMcg56AKJYGD943Fbr69m8
Zone Identifier	https	2021-05-25 10:56:07.569	2021-05-25 10:56:07.569		https://fra-zip-03.easynews.com/8b84ef83WDTY4GgYVJODMXiaJf2gvawz7xntY6jab0XeGIGg50QSQxchDA2SEHwYudRb7gIBfzr7mIzsoUkE1
Zone Identifier	https	2021-05-25 10:56:13.145	2021-05-25 10:56:13.145		https://fra-zip-05.easynews.com/74067143bsaoTsCQ3gBhKRVE3NDR-Zpet5YXAvXoHX1QtgjCASF6_XUCfvORF4q4wmEDWOAGF7Dl6FkplWjgp
Zone Identifier	https	2021-05-24 09:53:41.851	2021-05-24 09:53:41.851		https://storage.googleapis.com/support-kms-prod/Y2dvj4vUfoxilqzWmhjplW3b3r8alWuW8L
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

Information

```

1 File Information
2 Name: win-acme.v2.1.17.1065.x64.pluggable(1).zip
3 Location: D:\Downloads
4 Date Created [UTC]: 2021-05-24 07:33:53.065
5 Date Modified [UTC]: 2021-05-24 07:34:07.137
6 Length: 31868672 (30.39 MB)
7
8 Zone Transfer
9 Zone ID: 3 (Internet)
10 Length: 614 (0.60 KB)

```

www.digital-detective.net | D:\Downloads\win-acme.v2.1.17.1065.x64.pluggable(1).zip:Zone.Identifier:SDATA | 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](#).