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File Manager Extension

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Overview

HEdit32 is a hexadecimal edit for binary files. This means that it can be used to open an arbitrary binary file and view and edit its contents in either hexadecimal presentation of its data bytes, or in corresponding ASCII characters.

HEdit32 can be used to find a series of bytes in files. The search string can be entered in either in hexadecimal notation or, if it's a text string, in ASCII characters.

Unlike text editors, HEdit32 does not allow to insert or delete bytes in the middle of the file and thus to shift the rest of the file back or forth. Such operations are common mainly for text files, where absolute location of a character is not critical. Binary files though, e.g. executables or data files, usually rely on a particular offset of a byte from the beginning of the file, and therefore shifting the tale of the file back or forth would make them corrupt.

Ordering Information

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Credit Cards

To order by VISA, MasterCard, American Express, or Discover, call Public (software) Library at **800-2424-PsL** or **713-524-6394** and have your credit card handy. Or you can fax the order form below to **713-524-6398** or e-mail it to CIS **71355,470** or Internet **<71355.470@compuserve.com>** or mail it to **PsL, PO Box 35705, Houston, TX 77235-5705**.

The above numbers are for PsL, a credit card order taking service ONLY. Yuri Software can not be reached at these numbers.

Any questions about the status of the shipment of the order, refunds, registration options, product details, technical support, volume discounts, dealer pricing, site licenses, etc., must be directed to **Yuri Software, PO Box 910396, San Diego, CA 92191-0396**, or by e-mail to CIS **75020,404** or Internet **<75020.404@compuserve.com>**.

To print the registration form, choose File Print Topic from the main menu. Or you can print the text file ORDER.TXT.

HEdit32 v1.2 by Yuri Software

_____ copies at \$35 each, total _____

Overseas shipping add \$2 _____ + _____

Total payment _____

Name: _____

Company: _____

Address: _____

Address: _____

City, State, ZIP: _____

Country: _____

Disk Size: () 3.5" () 5.25"

() VISA, () MasterCard,
() American Express, () Discover

Card Number: _____

Expiration Date: _____

Cardholder Signature: _____

Charge to Your CompuServe Account

If you are a CompuServe subscriber, you can order HEdit32 through the CompuServe shareware registration service. The registration fee of \$35 will be charged to your CompuServe account.

Type **GO SWREG** at any CompuServe prompt, and follow the instructions. HEdit32 registration ID is **2351**. You can also search for it by the name.

Support and Questions

Technical support for HEdit32 is available by sending e-mail to 75020,404 on CompuServe or to <75020.404@compuserve.com> on Internet, or by mail to Yuri Software, PO Box 910396, San Diego, CA 92191-0396.

Please remember to be cautious while editing binary files. Slightest changes to executable or binary data files can make the application corrupt or the whole system unbootable. The best practice is to always check the **Read Only** box in the File Open dialog box (see [File Open Dialog Box](#)) when you are not sure you completely understand the file structure.

Opening Files

Command Line

Drag and Drop

File Open Dialog Box

File Manager Extension

Command Line

The file to open can be specified in the command line. For example, to open FILE.EXT, invoke HEdit32 with the following command line:

```
hedit file.ext
```

Drag and Drop


In the File Manager, highlight the file(s) you want to open, drag and drop them onto the HEdit32 window or icon.

A separate document window will be created for each dropped file, and the last one will be maximized to the full HEdit32 window size. You can switch among those windows, arrange them, etc.

File Open Dialog Box

From the HEdit32 main menu, choose **File Open**. The standard File Open dialog box appears. Highlight the file to open. Check the **Read Only** box if you want to keep the file contents intact. Click **OK**.

File Manager Extension

If you have installed the HEdit32 File Manager extension (see [Overview](#)), files can be opened right from the File Manager. Highlight the file(s) you want to open, and click the HEdit32 button on the File Manager toolbar  , or choose **Edit Hex** from the File Manager main menu. If your File Manager does not show a toolbar, the menu option should be still available.

Printing Files

Printing a Full File

Printing a Selected Range of the File

Printing a Full File

To print a full file, choose **File Print** from the HEdit32 main menu. In the Print dialog box, make sure **All** is selected for the Print Range. Click **OK**. The printout looks like the HEdit32 screen: address, hex presentation and ASCII characters.

Printing a Selected Range of the File

To print a part of the file, highlight the desired range of data by either clicking and dragging the mouse or by moving the cursor with the shift keyboard register pressed. Choose **File Print** from the main menu, and make sure **Selection** is selected for the Print Range in the Print dialog box. Click **OK**.

Editing Files

Typing In

Undoing the Editing

Using Clipboard

Typing In

Typing characters will overwrite the data at the cursor position. The cursor can be positioned in either the hexadecimal column or in the ASCII column. You can change the current column by pressing Tab or by clicking the desired location with the mouse.

Typing in the hexadecimal column will enter data in the hexadecimal notation, while typing in the ASCII column will enter ASCII characters.

The characters that have been overwritten are displayed in red.

Undoing the Editing

Choosing **Edit Undo** from the HEdit32 main menu will restore the content of the original file or the file after the last **File Save** command, not just the last character typed.

Using Clipboard

In HEdit32, you can copy and paste data to and from the clipboard the usual way.

Copying and pasting inside HEdit32 is performed in the binary format.

When moving data from HEdit32 to other applications, the data will be copied in the text format, with all unprintable characters changed to ".". The carriage return, new line, and tab characters will not be changed though.

When copying data from other applications into HEdit32, the data will be moved as ASCII text. Other data formats, for example bitmaps and metafiles, can not be pasted into HEdit32.

Searching for Data

Choose **Search Find** from the main menu. The Find dialog box appears. If searching for a text string, enter the text in the **Text** field, and check or clear the **Match Case** box as desired. If searching for a binary data, enter the data in the **Hex** field and make sure the **Match Case** box is unchecked. Choose the direction of search -- up or down -- and click **OK**.

To repeat the last search, press **F3** or choose **Search Find Next** from the main menu.

Configuring HEdit32

Address Presentation

Font Selection

Saving HEdit32 Configuration

Address Presentation

The leftmost column on the HEdit32 screen shows the address (offset) of data in the file. This address can be presented in either decimal or hexadecimal notation. To change the current presentation, choose **Options Offset Presentation** from the main menu.

Font Selection

To change the current font, choose **Options Font** from the main menu. The standard Font dialog box appears. Select a font and click **OK**. Note that only fixed (non-proportional) fonts can be chosen in HEdit32.

Saving HEdit32 Configuration

To save HEdit32 configuration, choose **Options Save Settings Now** from the main menu.

As an alternative, you can choose **Options Save Settings on Exit**, in which case HEdit32 configuration will be saved every time you close it.

Overview

The HEdit32 File Manager extension is an add-on module to the standard File Manager of Microsoft Windows. This extension allows you to view files in either text or hexadecimal format right from the File Manager. The Edit menu that is added to the File Manager, contains three entries: **Text** to view and edit text files using a text editor such as Notepad, **Long Text** to edit longer text files with an editor such as DOS Edit, and **Hex** to edit binary files with HEdit32. Also, if your File Manager has a toolbar, two buttons are added to it:



The left one is used to launch the text editor, while the right one is used for the binary editor.

All the three editor selections are user configurable and can be specified in the EDIT.INI file (see [Configuring File Manager Extension](#)).

Installing File Manager Extension

When you run HEdit32 for the first time, you are prompted to install the HEdit32 File Manager extension automatically. If you did not install it at that time, or if the installation has been later removed, you can install the File Manager extension the following way:

1. Close HEdit if running.
2. In your Windows NT directory (e.g. C:\WINNT), delete the file HEDIT.INI.
3. Restart HEdit and answer Yes when prompted to install the File Manager extension.
4. Close and restart the File Manager in order to activate the extension.

The above procedure allows you to easily and safely install the File Manager extension.

Those who are familiar with the Windows NT registry can install the extension by creating the following registry entry:

```
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\File Manager\
AddOns\Edit = REG_SZ: EDIT.DLL
```

Warning: Microsoft discourages end users from accessing the registry directly. The operating system can become unbootable and data on the hard disk may be lost as a result of an incorrect registry use.

Configuring File Manager Extension

The HEdit32 File Manager extension is configured through the EDIT.INI file located in your Windows NT directory (e.g. C:\WINNT). If there is no such file there, you can create it yourself. Below is a sample EDIT.INI:

```
[Edit]
Text=notepad.exe
Hex=hedit.exe
```

The **Text** key shows the name of the text editor to use. The **Hex** key lists the binary file editor.

Note that Windows 3.1 File Manager does not have a toolbar, while that of Windows for Workgroups 3.1 or 3.11 does. The toolbar can also be hidden by the user.

