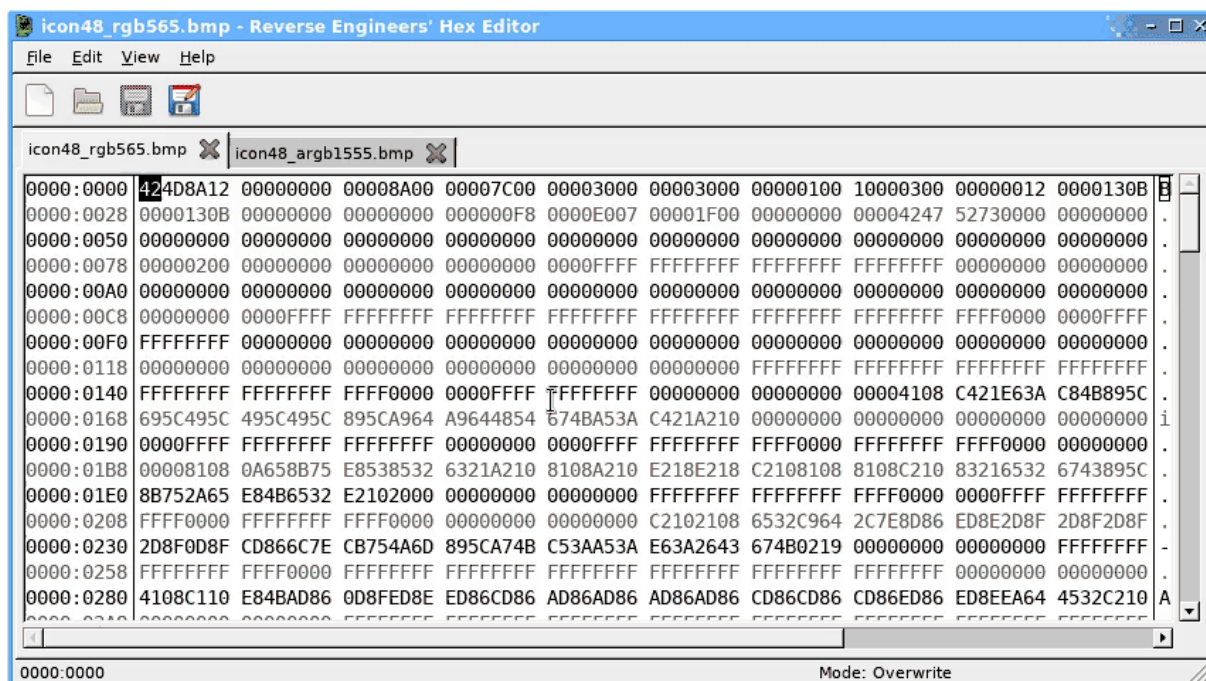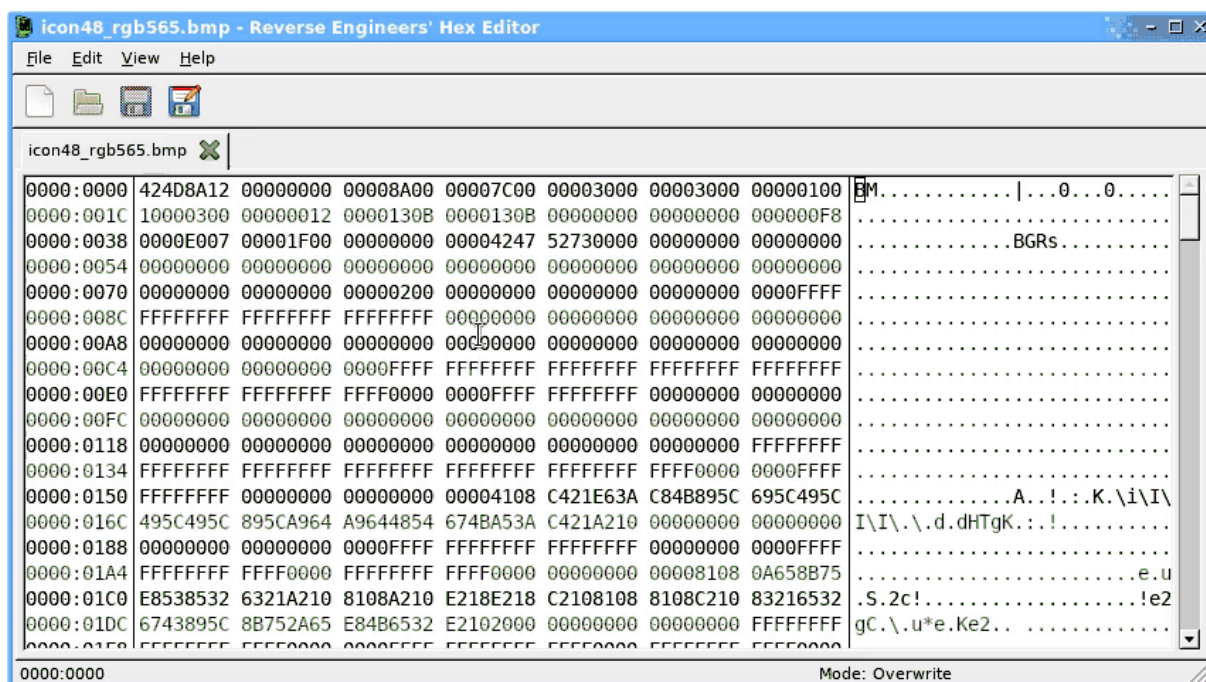## Reverse Engineers' Hex Editor

A cross-platform (Windows, Linux, Mac, BSD) hex editor for reverse engineering, and everything else.

An online copy of the manual can be accessed here: solemnwarning.net/rehex/manual/.

Features

- Large (1TB+) file support
- Decoding of integer/floating point value types
- Inline disassembly of machine code
- Highlighting and annotation of ranges of bytes
- Side by side comparision of whole files or selections
- Lua scripting support (API reference)
- Virtual address mapping support
- Support for common text encodings (ASCII, Unicode, ISO-8859-X, etc)
- Import and export of Intel HEX files.
- Bitmap data visualisation.
- Binary Templates for automatically annotating data (similar to 010 Editor).
- Bit editing/manipulation.
- Checksumming of files/selections.

Installation

The Releases page has standalone packages for Windows and Mac, as well as installable packages for popular Linux distributions, or you can install them from a distribution package repository as described below.

The same packages are also produced for Git commits (look for the tick), if you want to try the development/unreleased versions.

Debian

First, you will need to add my APT signing key to your system:

```
1  sudo wget -O /etc/apt/trusted.gpg.d/solemnwarning-archive-keyring.gpg \
2      https://repos.solemnwarning.net/debian/solemnwarning-archive-
          keyring.gpg
```

Add the following lines to your /etc/apt/sources.list file:

```
1  deb http://repos.solemnwarning.net/debian/ CODENAME main
2  deb-src http://repos.solemnwarning.net/debian/ CODENAME main
```

NOTE: Replace CODENAME with the version you're running (e.g. bookworm or bullseye).

Finally, you can install the package:

```
1  $ sudo apt-get update
2  $ sudo apt-get install rehex
```

Ubuntu

First, you will need to add my APT signing key to your system:

```
1  sudo wget -O /etc/apt/trusted.gpg.d/solemnwarning-archive-keyring.gpg \
2      https://repos.solemnwarning.net/ubuntu/solemnwarning-archive-
          keyring.gpg
```

Add the following lines to your /etc/apt/sources.list file:

```
1  deb  [arch=amd64] http://repos.solemnwarning.net/ubuntu/ CODENAME main
2  deb-src  [arch=amd64] http://repos.solemnwarning.net/ubuntu/ CODENAME
      main
```

NOTE: Replace CODENAME with the version you're running (e.g. focal for 20.04 or lunar for 23.04).

Finally, you can install the package:

```
1  $ sudo apt-get update
2  $ sudo apt-get install rehex
```

NOTE: Ubuntu users must have the "universe" package repository enabled to install some of the dependencies.

Fedora

```
1  $ sudo dnf copr enable solemnwarning/rehex
2  $ sudo dnf install rehex
```

CentOS

```
1  $ sudo dnf install epel-release
2  $ sudo dnf copr enable solemnwarning/rehex
3  $ sudo dnf install rehex
```

openSUSE

```
1  $ sudo zypper ar obs://editors editors
2  $ sudo zypper ref
3  $ sudo zypper in rehex
```

FreeBSD

```
1  $ pkg install rehex
```

Building

Compiling REHex from source is described in COMPILING.md.

Feedback

If you find any bugs or have suggestions for improvements or new features, please open an issue on Github.