The Main Project

Since we've decided to start with OWASP, and due to the large number of projects within OWASP, we've selected a sub-project. This project is EnDe.

OWASP EnDe Project is a project that provides an encoder, a decoder, a converter, a transformer, calculator all at the click of a mouse. It contains a collection of functions for various codings, encodings, decodings and convertions used world wide. One of the aims of the project was to meet the requirements for HTTP/HTML-based functionality. Copy&paste must be possible, and some functions should be able to be called with a single click.

Since there is no single way to encode, decode, convert, etc.. any one thing, the project

itself is coded in several languages, and is run by HTML. The file "index.html" pulls from the resources in the containing folder to run all the functions this project intends to use, and runs simply in a web browser, as to make the project widely available to everyone intending to use it regardless of which language development kits they have installed.

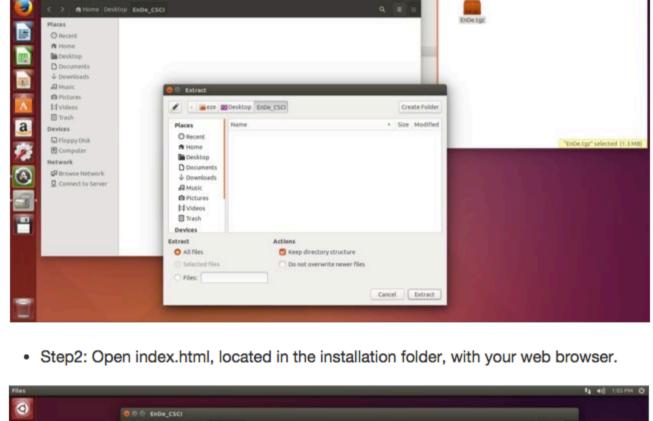
OWASP EnDE is made to be easy to use, so installation should be just as easy. The only requirements of installing the project is that you have a web-browser like Chrome or

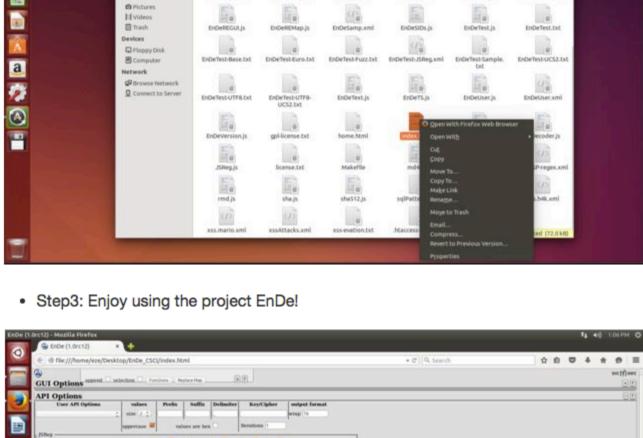
created.

Installation

Firefox installed, and a single folder to install the files into. Once you have the files from the EnDe site downloaded, extract them and place them in the install folder. Open up EnDe by clicking on "index.html", and you are done. (click on the pictures to open larger versions in a new tab)

Step1: download the zipped file needed, and extract it to an installation folder you've





Test Encoding

URI/URL

Repeat

was working correctly.

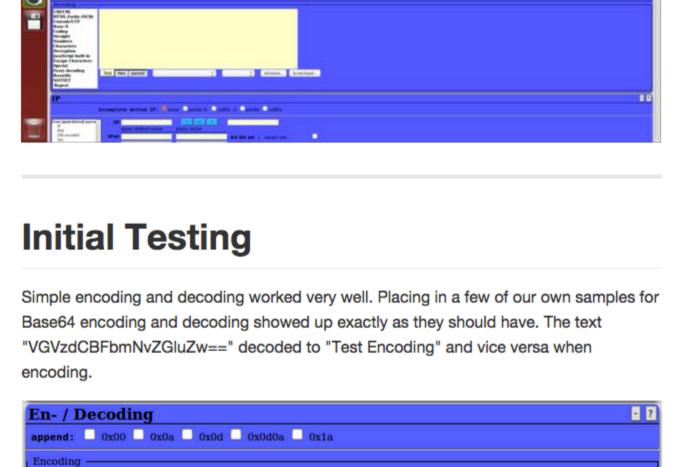
base64 ----- RXVybw==

Not very surprising, as it's expected to do so.

urlUTF-8 ----- Euro

HTML-Entity (NCR) Unicode/UTF Base-N Coding Straight Numbers Characters Encryption Hash/Checksum JavaScript built-in

O Recent Desktop



Escape Characters Window.. Scratchpad.. Text Hex parsed Symbols Beautify Repeat Decoding URI/URL VGVzdCBFbmNvZGluZw== HTML-Entity (NCR) Unicode/UTF Base-N Coding Straight Numbers Characters Decryption JavaScript built-in Escape Characters Special Fuzzy decoding Text Hex parsed Window.. Scratchpad.. NOTYET

Existing Tests: Other examples with given results were used to ensure that the project

Simple Example 1 Using the string "Euro" CRC-32 ----- 1fb0ba15

MD5(hex) ----- 3E823FAC7473E42888932C7761C224FC Trying these encodings and hashes in various tools should always return the same result.

Simple Example 2 Replacing the 'E' in "Euro" with an '€' which results in "€uro"

CRC-32 ----- b4c7b4a7 base64 ----- IKx1cm8=

MD5(hex) ----- 08c1d37a0b3394da278b77116cc4e615

urlUTF-8 ----- %e2%82%acuro

Trying these in various tools will likely return different results depending on the tool used.