

Software Bill of Materials - Haktilo (browser extension)

[Software Bill of Materials \(SBoM\)](#) lists external components used or included in a given software product.

This SBoM corresponds to Haktilo browser extension versions 2.x. The browser extension is currently in maintenance mode. You might instead want to look at the [SBoM of Hydrilla and Haktilo proxy](#).

Incorporated code

Software parts that have been copied over to Haktilo source tree with only slight or no modification (code that has been mostly rewritten and non-software artworks are not mentioned here).

js-sha256

field	value
name	js-sha256
version	0.9.0
copyright	2014-2017 Chen, Yi-Cyuan < emn178@gmail.com >
license	MIT (Expat)
upstream url	https://github.com/emn178/js-sha256

This JavaScript implementation of SHA256 is included in the browser extension itself. It is used to derive nonces used internally by Haktilo. This library is only used in contexts where synchronous computation of SHA256 digest is required. In other cases (e.g. verification of integrity of downloaded files), the asynchronous crypto.subtle JavaScript API is used.

Reset CSS

field	value
name	Reset CSS
version	2.0
copyright	2008,2011 Eric A. Meyer
license	public domain
upstream url	https://meyerweb.com/eric/tools/css/reset/

The CSS Reset style sheet is used on pages displayed by Haktilo.

jsonschema (JavaScript library)

field	value
name	jsonschema
version	1.4.0
copyright	2012-2021 Tom de Grunt < tom@degrunt.nl > and contributors
license	MIT (Expat)
upstream url	https://github.com/tdegrunt/jsonschema

This library shall be used to validate external JSON documents (e.g. those downloaded from Hydrilla repository).

External dependencies

POSIX environment

Standard UNIX tools (sh, awk, etc.) are needed to **build** Haketilo. There's no known dependency on specific implementations of those (e.g. gawk should work just as well as nawk).

Make

Make build system is an **optional requirement for building** Haketilo and a **strict requirement for running the test suite**. There's no known dependency on specific Make implementation.

Python3

Python in at least version 3.7 is needed to run the automated test suite.

Pytest

field	value
name	pytest
version	no known constraints (6.0.2 used in development)
copyright	2004-2021 Holger Krekel and others
license	MIT (Expat)
upstream url	https://pytest.org

Pytest library is used in automated tests of the extension.

Selenium webdriver (Python)

field	value
name	selenium
version	no known constraints (3.141.0 used in development)
copyright	2011-2021 Software Freedom Conservancy; 2004-2011 Selenium committers
license	Apache-2.0
upstream url	https://www.selenium.dev/

Selenium Python library is used in automated tests of the extension.

Web browser

A Firefox-derived web browser with at least version 60 **or** a Chromium-derived browser with at least version 90 (although older Chromium versions are likely to work as well) is needed to use the extensions.

In addition, a Firefox-derived web browser with at least version 60 is needed to run the automated test suite.

geckodriver

field	value
name	geckodriver
version	no known constraints (0.30.0 used in development)
copyright	???
license	MPL-2.0
upstream url	https://firefox-source-docs.mozilla.org/testing/geckodriver/index.html

Geckodriver compatible with the Firefox-derived browser used is needed to run the automated test suite.

Inkscape

field	value
name	Inkscape
version	no known constraints (0.92.4 used in development)
copyright	Inkscape Authors
license	GPL-3.0-only
upstream url	https://inkscape.org/

Inkscape is an optional build dependency used to generate png icons from an svg file.