Developer Overview

We use the Git (https://git-scm.com) version control software. If you are unfamiliar with Git, the fastest way to get the code is to download one of the versioned (/code/releases/) snapshots (https://storage.googleapis.com/downloads.webmproject.org/releases/webm/index.html). To learn about Git, we recommend you start with the documentation (https://git-scm.com/doc).

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WebM Repositories

Also see: **Continuous Integration** (https://build.webmproject.org/jenkins/)

libvpx: VP8/VP9 Codec SDK

clone	https://chromium.googlesource.com/webm/libvpx
push (/code/contribute/submitting-patches/)	https://chromium-review.googlesource.com/webm/libvpx
browse	https://chromium.googlesource.com/webm/libvpx/ (https://chromium.googlesource.com/webm/libvpx/)
mirror	https://github.com/webmproject/libvpx/ (https://github.com/webmproject/libvpx/)

> #### *Building on Windows*
>
> Building the source code from git requires that you be familiar with and have installed a Unix-like environment such as Cygwin (https://www.cygwin.com) or MSYS.

libwebm: WebM File Parser

clone	https://chromium.googlesource.com/webm/libwebm
push (/code/contribute/submitting-patches/)	https://chromium-review.googlesource.com/webm/libwebm
browse	https://chromium.googlesource.com/webm/libwebm (https://chromium.googlesource.com/webm/libwebm)
mirror	https://github.com/webmproject/libwebm/ (https://github.com/webmproject/libwebm/)

webm-tools: Alpha-channel, Encryption, and Streaming-related tools

clone	https://chromium.googlesource.com/webm/webm-tools
push (/code/contribute/submitting-patches/)	https://chromium-review.googlesource.com/webm/webm-tools
browse	https://chromium.googlesource.com/webm/webm-tools (https://chromium.googlesource.com/webm/webm-tools)
mirror	https://github.com/webmproject/webm-tools/ (https://github.com/webmproject/webm-tools/)

webmdshow: DirectShow Filters Source

clone	https://chromium.googlesource.com/webm/webmdshow
push (/code/contribute/submitting-patches/)	https://chromium-review.googlesource.com/webm/webmdshow
browse	https://chromium.googlesource.com/webm/webmdshow (https://chromium.googlesource.com/webm/webmdshow)
mirror	https://github.com/webmproject/webmdshow/ (https://github.com/webmproject/webmdshow/)

webmquicktime: QuickTime Components Source

clone	https://chromium.googlesource.com/webm/webmquicktime
push (/code/contribute/submitting-patches/)	https://chromium-review.googlesource.com/webm/webmquicktime
browse	https://chromium.googlesource.com/webm/webmquicktime (https://chromium.googlesource.com/webm/webmquicktime)
mirror	https://github.com/webmproject/webmquicktime/ (https://github.com/webmproject/webmquicktime/)

webminspector: WebM File Inspector

Dumps all EBML and WebM data in a WebM file to stdout.

clone	https://chromium.googlesource.com/webm/webminspector
push (/code/contribute/submitting-patches/)	https://chromium-review.googlesource.com/webm/webminspector
browse	https://chromium.googlesource.com/webm/webminspector (https://chromium.googlesource.com/webm/webminspector)
mirror	https://github.com/webmproject/webminspector/ (https://github.com/webmproject/webminspector/)

vp8-test-vectors: Decoder Test Vectors

Used to validate VP8 decoder conformance.

clone	https://chromium.googlesource.com/webm/vp8-test-vectors
push (/code/contribute/submitting-patches/)	https://chromium-review.googlesource.com/webm/vp8-test-vectors
browse	https://chromium.googlesource.com/webm/vp8-test-vectors (https://chromium.googlesource.com/webm/vp8-test-vectors)
mirror	https://github.com/webmproject/vp8-test-vectors/ (https://github.com/webmproject/vp8-test-vectors/)

udpsample: UDP Sample Code

A simple, unsupported videoconferencing demo application. May require considerable modification to run in your environment.

- Project description (PDF) (/media/pdf/udpsample.pdf)

clone	https://chromium.googlesource.com/webm/udpsample
push (/code/contribute/submitting-patches/)	https://chromium-review.googlesource.com/webm/udpsample
browse	https://chromium.googlesource.com/webm/udpsample (https://chromium.googlesource.com/webm/udpsample)
mirror	https://github.com/webmproject/udpsample/ (https://github.com/webmproject/udpsample/)

bitstream-guide: VP8 Data Format

Text source of RFC 6386, "VP8 Data Format and Decoding Guide"

clone	https://chromium.googlesource.com/webm/bitstream-guide
push (/code/contribute/submitting-patches/)	https://chromium-review.googlesource.com/webm/bitstream-guide
browse	https://chromium.googlesource.com/webm/bitstream-guide (https://chromium.googlesource.com/webm/bitstream-guide)
mirror	https://github.com/webmproject/bitstream-guide/ (https://github.com/webmproject/bitstream-guide/)

WebP Repositories

libwebp: WebP Image Library

Provides `libwebp.so`, a library for encoding and decoding WebP image files. See the Google Code site for more information and related tools, as well as the *webp-discuss* (https://groups.google.com/a/webmproject.org/group/webp-discuss) mailing list:

- https://developers.google.com/speed/webp/ (https://developers.google.com/speed/webp/)
- https://groups.google.com/a/webmproject.org/group/webp-discuss (https://groups.google.com/a/webmproject.org/group/webp-discuss)

clone	https://chromium.googlesource.com/webm/libwebp
push (/code/contribute/submitting-patches/)	https://chromium-review.googlesource.com/webm/libwebp
browse	https://chromium.googlesource.com/webm/libwebp (https://chromium.googlesource.com/webm/libwebp)
mirror	https://github.com/webmproject/libwebp/ (https://github.com/webmproject/libwebp/)

libwebp-test-data: dwebp Validation Tool

Validates the output of `dwebp`, via MD5 sum. `dwebp` is an example utility created by `libwebp`, above.

clone	https://chromium.googlesource.com/webm/libwebp-test-data
push (/code/contribute/submitting-patches/)	https://chromium-review.googlesource.com/webm/libwebp-test-data
browse	https://chromium.googlesource.com/webm/libwebp-test-data (https://chromium.googlesource.com/webm/libwebp-test-data)
mirror	https://github.com/webmproject/libwebp-test-data/ (https://github.com/webmproject/libwebp-test-data/)

webp-wic-codec: Windows Imaging Component Decoder for WebP

Windows Imaging Component wrapper for libvpx, currently enabling WebP decode.

clone	https://chromium.googlesource.com/webm/webp-wic-codec
push (/code/contribute/submitting-patches/)	https://chromium-review.googlesource.com/webm/webp-wic-codec
browse	https://chromium.googlesource.com/webm/webp-wic-codec (https://chromium.googlesource.com/webm/webp-wic-codec)
mirror	https://github.com/webmproject/webp-wic-codec/ (https://github.com/webmproject/webp-wic-codec/)

Set-up Your Machine

Make sure you have all the build dependencies (/code/build-prerequisites/) before trying to build the WebM source code.

Start Hacking

Got your own itch? Great! Want some inspiration? See the roadmap (/code/roadmap/) for some projects that we think would be interesting. Talk to us on one of our mailing lists (/about/discuss/) so we have an idea what you're interested in -- maybe you can find a partner!

Contribute

See our page on submitting patches (/code/contribute/submitting-patches/) for more information on getting your change peer-reviewed and merged upstream.

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