

Wikipedia.org JS layer
("Modern")

JS finishes:
≤ 2.4s for 75% of pageviews from South America

- **Mobile web** when
 - accessing via Wikipedia.org,
 - in a modern browser that doesn't restrict JS permissions.
 - and currently online,
 - and JS not lost on network,
 - and JS arrives in time.
- + JS-based graphs.

- **Desktop:**
 - accessing via Wikipedia.org,
 - in a modern browser that doesn't restrict JS permissions.
 - and currently online,
 - and JS not lost on network,
 - and JS arrives in time.
- + JS-based graphs.

Still:

- **no link sharing** for graph image.
- **hole** in "Download as PDF".

ext: Graphs

Wikipedia.org Basic experience

First Paint:
≤ 1.6s for 75% of pageviews from South America

- **First impression** in modern browsers
- Last impression
 - if JS takes too long.
 - if JS fails due to network conditions.

- **Internet Archive** (Wayback Machine)

- **Share content** as link to article, section, or media file. Such as via text/chat apps, social media, email, blogs.

- **Download as PDF** link

- Modern browsers with JS disabled:
 - **Onion Browser**

- Modern browsers with plugins that require JS permission:
 - **Tor Browser**
 - **uBlock Origin**
 - **NoScript**

- Grade C browsers (all users)
- **iOS 9**
- **iOS 10**
- **Opera Mini**
- **UC Browser** (UC Mini, UC Turbo)

- Grade C browsers (all users)
- **IE 11**
- **Safari 9, Safari 10**
- **Firefox 40-57**
- **Chrome 31-62**

Wikimedia content

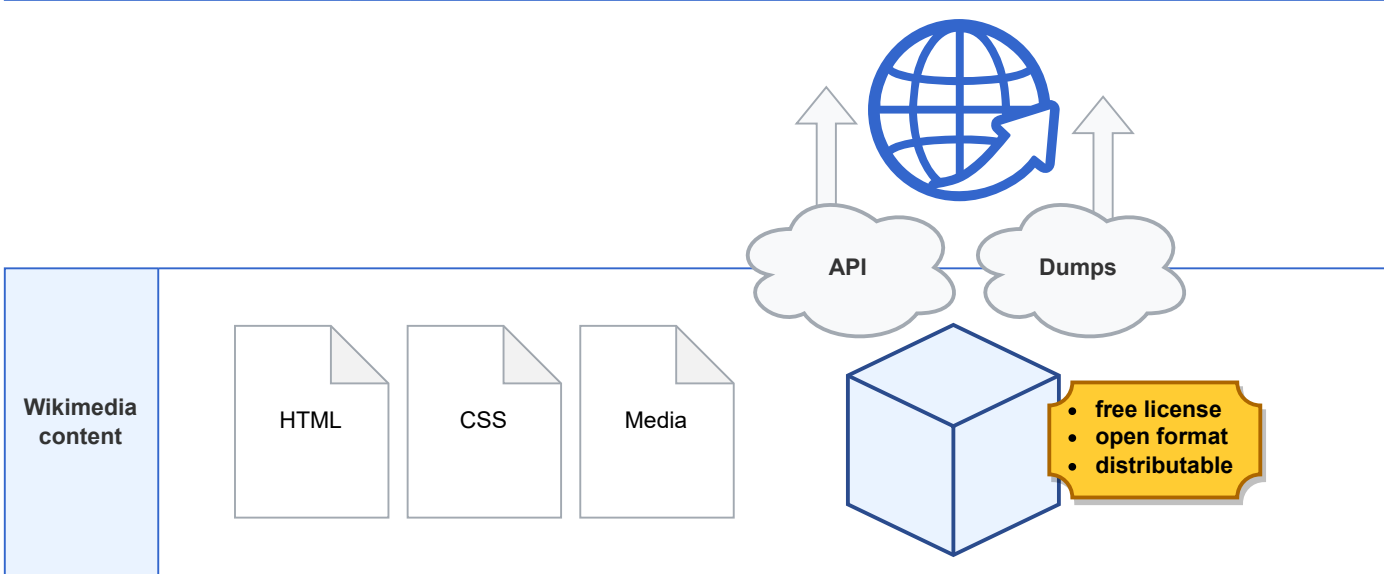
free license
open format
freely distributable

- **Kiwix app**
- **Apple Dictionary**
- Minipedia app (iOS)
- EveryPedia (Android)

- **Google Web**
- **Google Images**
- DuckDuckGo
- Mojeek

- **Wikipedia for Android** (all users)
- Wikipedia for Android (save page)
- **Wikipedia for iOS** (all users)

- **MediaWiki API** (Parsoid, Action API, REST API)
- dumps.wikimedia.org
- **Wikimedia Enterprise**



Server software

Parser
Parsoid

ext:Score

ext:Karto
grapher

ext:TMH

ext:Math

ext:Easy
Timeline

ext:Syntax
Highlight

ext:3D

MediaWiki source format

Dynamic wikitext <code>{{Official_website}}</code> <code>{{#if:}} {{#expr:}}</code>	Music score <code><score></code> ...	Dynamic maps <code><mapframe></code> ...	Video <code>[[File: .ogv]]</code>	Audio <code>[[File: .ogg]]</code>
Timeline graphs <code><timeline></code>	Lua module Wikidata.query	Math formulas <code><math></code>	Graphs <code><graph></code> Data:Homicide_rate.tab	
Code examples <code><syntaxhighlight></code>	Hieroglyphs <code><hiero></code>	3D images <code>[[File:Utah_teapot.stl]]</code>		

Databases

Swift media storage