

**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".

**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.
- **Share content** as link to article, section, or media file. Such as via text/chat apps, social media, email, blogs.
- Modern browsers with JS disabled:
  - **Onion Browser**
- Grade C browsers (all users)
  - **iOS 9**
  - **iOS 10**
  - **Opera Mini**
  - **UC Browser** (UC Mini, UC Turbo)
- **Internet Archive** (Wayback Machine)
- **Download as PDF** link
- Modern browsers with JS disabled:
  - **Tor Browser**
- Modern browsers with plugins that require JS permission:
  - **uBlock Origin**
  - **NoScript**
- Grade C browsers (all users)
  - **IE 11**
  - **Safari 9, Safari 10**
  - **Firefox 40-57**
  - **Chrome 31-62**

**Wikipedia 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 (saved page)
- **Wikipedia for iOS** (all users)
- **MediaWiki API** (Parsoid, Action API, REST API)
- dumps.wikimedia.org
- **Wikimedia Enterprise**

**Wikimedia content**

HTML CSS Media

API Dumps

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**Server software**

Parser Parsoid ext:Score ext:Karto grapher ext:TMH ext:Math ext:Easy Timeline ext:Syntax Highlight ext:3D

ext: Graphs

**MediaWiki source format**

Dynamic wikitext: `{{Official_website}}`, `{{#if:}}`, `{{#expr:}}`

Music score: `<score>`, ...

Dynamic maps: `<mapframe>`, ...

Video: `[[File: .ogv]]`

Audio: `[[File: .ogg]]`

Timeline images: `<timeline>`

Lua module: Wikidata.query

Math formulas: `<math>`

Dynamic graphs: `<graph>`, `Data:Homicide_rate.tab`

Code examples: `<syntaxhighlight>`

Hieroglyphs: `<hiero>`

3D images: `[[File:Utah_teapot.stl]]`

Databases Swift media storage