

# Webview Versions

## WebView2 (Windows)

Tauri uses WebView2 which is based on Microsoft Edge and therefore Chromium. WebView2 can update itself, you are guaranteed a relatively recent chromium build on all Windows targets.

WebView2 is supported on Windows 7 and newer and comes preinstalled on Windows 11. On versions older than Windows 11 the installer generated by Tauri takes care of ensuring WebView2 is installed on the system.

## WebKit (macOS, iOS, & Linux)

Tauri uses WebKit on macOS (through [WKWebView](#)) and Linux (through `webkit2gtk`).

## Interpreting WebKit Version Numbers

WebKit version numbers are quite complicated, so below is some helpful information to understand them.

WebKit version numbers are made up of 5 segments and a numeric prefix indicating which OS WebKit is built for:

```
$(SYSTEM_VERSION_PREFIX)$(MAJOR_VERSION).$(MINOR_VERSION).$(TINY_VERSION).$(MICRO_VERSION).$(NANO_VERSION)
```

The numeric prefix is called the `SYSTEM_VERSION_PREFIX` and seems to be only present for macOS and iOS builds (not for Linux). Furthermore, if the last two segments are both `0` they can be omitted (so a version like `613.2.7.0.0` would be referred to as `613.2.7`).

As an example, the WebKit version shipped with Safari 15.5 on macOS Monterey (12.x) has the version number `17613.2.7.1.8`. You can interpret it like this:

- `SYSTEM_VERSION_PREFIX`: 17
- `MAJOR_VERSION`: 613
- `MINOR_VERSION`: 2
- `TINY_VERSION`: 7
- `MICRO_VERSION`: 1
- `NANO_VERSION`: 8

Here is what the `SYSTEM_VERSION_PREFIX` values map to:

macOS version	SYSTEM_VERSION_PREFIX
sdk=iphone*	8
14.0	19
13.0	18
12.0	17
11.0	16
10.15	15
10.14	14
10.13	13
10.12	12
10.11	11

## macOS & iOS

On macOS, Tauri uses the webview that comes preinstalled with macOS since version 10.10 (Yosemite). It is considered a core component and is therefore updated with the regular OS updates. This means unsupported macOS versions **do not** receive WebKit updates.

To find the WebKit version used by `WKWebView` on your version of macOS you can use this command in the terminal:

```
$ awk '/CFBundleVersion/{getline;gsub(/<[>]*>/,"");print}'  
/System/Library/Frameworks/WebKit.framework/Resources/Info.plist
```

### WebKit Versions in Safari

The table below maps an OS version to the corresponding WebKit Safari versions so that you can use sites like [caniuse](#) to figure out if a specific web platform feature is supported.

OS Name	OS Version	WebKit Version	Safari Version	Notes
Sonoma	14.0 (Beta)	616.1.14.11.11	17.0	Verified on a 2023 M2 14" MacBook Pro
Ventura	13.4.1	615.2.9.11.7	16.5.1	Verified on a 2023 M2 14" MacBook Pro
	13.3.1	615.1.26.11.23		Verified on a 2023 M2 14" MacBook Pro
	13.3	615.1.26.11.22	16.4	Verified on a 2023 M2 14" MacBook Pro
	13.2.1	614.4.6.1.6		
	13.2	?	16.3	
	13.1	614.3.7.1.5	16.2	Verified on a 2020 M1 13" MacBook Pro
	13.0.1			Verified on a 2020 M1 13" MacBook Pro
	13.0	614.2.9.1.12	16.1	Verified on a 2020 M1 13" MacBook Pro
Monterey	12.6			Verified on a 2020 M1 13" MacBook Pro
	12.5.1	613.3.9.1.16	15.6.1	Verified on a 2020 M1 13" MacBook Pro
	12.5	613.3.9.1.5	15.6	Verified on a 2020 M1 13" MacBook Pro
	12.4	613.2.7.1.8	15.5	Verified on a 2020 M1 13" MacBook Pro
	12.3.1	613.1.17.1.13		
	12.3	613.1.17.1.6	15.4	

OS Name	OS Version	WebKit Version	Safari Version	Notes
	12.2.1	612.4.9.1.8		
	12.2	612.4.9.1.5	15.3	
	12.1.1			
	12.1	612.3.6.1.6	15.2	
	12.0.1	612.2.9.1.20	15.1	
	12.0	612.1.29.41.4	15.0	
Big Sur	11.6.7			
	11.6.6			
	11.6.5			
	11.6.2			
	11.6.1			
	11.6			
	11.5.2	611.3.10.1.6		
	11.5.1			
	11.5	611.3.10.1.3	14.1.2	
	11.4	611.2.7.1.4	14.1.1	
	11.3.1			
	11.3	611.1.21.161.3	14.1	24" M1 iMac received a special WebKit version 611.1.21.1.12
	11.2.3	610.4.3.1.7		
	11.2.2			

OS Name	OS Version	WebKit Version	Safari Version	Notes
	11.2.1			
	11.2	610.4.3.1.4	14.0.3	
	11.1	610.3.7.1.9	14.0.2	
	11.0.1	610.2.11.51.8		
	11.0	610.2.11.1.3	14.0.1	Safari 14.0 was only ever available on iPhones
Catalina	10.15.7 Security Update 2022-004	609.4.1.1.1		
	10.15.7	609.4.1	13.1.3	
	10.15.6	609.3.5.1.3	13.1.2	
	10.15.5	609.2.9.1.2	13.1.1	
	10.15.4	609.1.20.111.8	13.1	
	10.15.3	608.5.11	13.0.5	
	10.15.2	608.4.9.1.3	13.0.4	
	10.15.1	608.3.10.1.4	13.0.3	Verified on a 2014 15" MacBook Pro
	10.15	608.2.30.1.1	13.0.2	
Mojave	10.14.6	608.1.49	13.0	
	10.14.4	607.1.40.1.5	12.1	
	10.14.3	606.4.5	12.0.3	
	10.14.2	606.3.4	12.0.2	
	10.14.1	606.2.104.1.1	12.0.1	


OS Name	OS Version	WebKit Version	Safari Version	Notes
	10.14	606.2.11	12.0	
High Sierra	10.13.6	605.3.8	11.1.2	
	10.13.5	605.2.8	11.1.1	
	10.13.4 Security Update 2018-001	605.1.33.1.4	11.1	
	10.13.4	605.1.33.1.2	11.1	
	10.13.3	604.5.6	11.0.3	
	10.13.2 Supplemental Update	604.4.7.1.6	11.0.2	27" iMac Pro received a special WebKit version 604.4.7.10.6
	10.13.2	604.4.7.1.3	11.0.2	27" iMac Pro received a special WebKit version 604.4.7.10.4
	10.13.1	604.3.5	11.0.1	
	10.13	604.1.38.1.6	11.0	

## Linux

The diverse nature of the Linux ecosystem means it is very hard to compile accurate information about WebKitGTK on the various distros. The table below is a very incomplete list of the most commonly used distributions and their WebKit versions. You should always check your distro's repositories for up-to-date information.

Distro	webkitgtk Version	WebKit Version	Safari Equivalent
Debian 11 (with update), Ubuntu 20.04 (with update), Ubuntu 22.04	2.36	614.1.6	TP 140 (16.0)
Debian 10 (with update)	2.34	613.1.1	15.4

Distro	<code>webkitgtk</code> Version	WebKit Version	Safari Equivalent
Debian 11, Ubuntu 18.04 (with update), centos 8 (non-stream)	2.32	612.1.6	15.0
Ubuntu 20.04	2.28	610.1.1	14.0
Debian 9 (with backport), Debian 10	2.24	608.1.6	13.0
Ubuntu 18.04	2.20	606.1.4	12.0

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