Safari 13.1 Beta 2: Safari and WebKit Release Notes

Important: This is a preliminary document for an API or technology in development. Although this document has been reviewed for technical accuracy, it is not final. Apple is supplying this information to help you plan for the adoption of the technologies and programming interfaces described herein. This information is subject to change, and software implemented according to this document should be tested with final software and final documentation.

This seed build is not fully localized.

Safari 13.1 Beta 2 is available for:

- macOS Catalina 10.15.4 beta
- macOS Mojave 10.14.6
- macOS High Sierra 10.13.6

Important Installation Notes:

Before installing Safari 13.1 Beta 2 for macOS Mojave or High Sierra, please check that you have the latest version of macOS Mojave or High Sierra installed (see above).

What's New

Please focus testing on the following areas:

macOS Catalina

- New feature: Close Tabs to the Right
- New feature: Duplicate Tab
- New feature: Bundled content blockers in Catalyst apps work in Safari
- Importing passwords from Google Chrome
- Performance: much faster IndexedDB operations
- Performance: improved back/forward responsiveness
- Performance: more efficient media query updates

- Performance: faster WebAssembly and JavaScript
- Performance: faster Service Worker startup
- Performance: faster JavaScript Promises
- Privacy: fixed multiple potential Intelligent Tracking Protection circumventions.
- Security: Show “Not Secure” warning for sites using TLS 1.1 and 1.0.
- Security hardening: fixed many fuzzer-found bugs
- New JavaScript syntax: Nullish Coalescing
- New JavaScript method: replaceAll
- New Web API: Web Animations https://drafts.csswg.org/web-animations-1/
- New Web API: Async Clipboard API
- New Web API: GenericCue
- New Web API: Resize Observer
- Support for HDR video via Media Capabilities API
- New Web API: Remote Playback API
- New Web API: Picture-in-Picture API
- New HTML attribute: enterkeyhint
- New Web Components feature: CSS Shadow Parts
- New CSS font keywords: ui-serif, ui-sans-serif, ui-monospace and ui-rounded
- New CSS property value: line-break: anywhere
- New CSS media query: dynamic-range
- WebRTC DTMF and proxy support
- Support for HLS date-range metadata in DataCue
- Web Platform Quality: Significantly improved Web Platform Tests pass rate in CSS, Service Workers, SVG, Fetch, etc.
- Web Inspector: New Sources tab, combining Resources and Debugger
- Web Inspector: New Layers tab
- Web Inspector: Redesigned color picker with wide gamut support in Styles sidebar
- Web Inspector: Better display of HTML and XML in Network and Sources tabs
- Web Inspector: Bootstrap scripts and resource overrides in Sources tab
- Web Inspector: Improved support for debugging Workers
- Web Inspector: Script black boxing in Settings tab
- Web Inspector: CSS Animation/Transition timeline in Timelines tab

macOSMojave and macOS High Sierra

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Bug Reporting

This build is being provided to you for testing and development purposes. Should you encounter any problems, please submit a bug report using the online Bug Reporter at https://bugreport.apple.com/. Please make sure to include “Safari 13.1 for macOS Catalina” or “Safari 13.1 for macOS Mojave” or “Safari 13.1 for macOS High Sierra” in the bug title and description. Please also include the build number in your description. You may determine the build number by opening the Safari menu and selecting “About Safari”; the build number is available there in parentheses. For example, “Version 13.1 (15609.1.20.111.7)” for macOS Catalina, or “Version 13.1 (14609.1.20.111.7)” for macOS Mojave or “Version 13.1 (13609.1.20.111.7)” for macOS High Sierra. This information will ensure that your bug is processed quickly.

When submitting a bug report, please make sure to include a Summary, Steps to Reproduce, Actual Results, Expected Results, the System Profile Report, sysdiagnose, and any other relevant information that is necessary to process the report. Please note if the bug is a regression from the previously shipped version of Safari.

When reporting bugs in Full Screen mode, please include the following information:

1. Attach a screenshot of the Safari window before entering Full Screen mode. (Shift-Cmd-4, space bar, click the highlighted Safari window. Window screenshot is saved to Desktop.)

2. Attach a screenshot of Safari in Full Screen mode. (Shift-Cmd-3. Screenshot is saved to Desktop.)

3. Was the menubar visible when the bug occurred?

IMPORTANT: Engineering requires additional information for crashing bugs, kernel panics, and hanging issues.

Crashing Bugs: Crash logs are required for crashing bugs. Crash logs can be located in ~/Library/Logs/DiagnosticReports

Kernel Panics: Backtraces, which contain vital information for investigating kernel panics, are required for kernel panic issues. Backtraces can be saved to nvram on restart shutdown, then copied to the panic.log file on restart. The panic.log file can be found in /Library/Logs/PanicReporter.

Hanging Issues: When an application is hung, a sample should be provided. This can be done using the Activity Monitor (/Applications/Utilities/). To generate a Sample using this utility, click on the hung application name, then from the View Menu select "Sample Process."

Sysdiagnose: A sysdiagnose is very useful in diagnosing a number of issues. To collect a sysdiagnose for Safari, bring Safari to the foreground and press Cmd-Control-Option-Shift-Period.

For complete instructions on submitting bug reports, please visit the Bug Reporting page at https://developer.apple.com/bug-reporting/. Thank you for your support.