



# Firefox<sup>®</sup>

Features Guide

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# About Us

## About Mozilla

Mozilla is a global community with a mission to put the power of the Web in people's hands. As a nonprofit organization, Mozilla has been a pioneer and advocate for the Web for more than 15 years and is focused on creating open standards that enable innovation and advance the Web as a platform for all. We are committed to delivering choice and control in products that people love and can take across multiple platforms and devices.

For more information, visit [www.mozilla.org](http://www.mozilla.org).

## About Firefox

Firefox is the trusted Web browser of choice for half a billion people around the world. At Mozilla, we design Firefox for how you use the Web. We make Firefox completely customizable so you can be in control of creating your best Web experience. Firefox has a streamlined and extremely intuitive design to let you focus on any content, app or website - a perfect balance of simplicity and power. Firefox makes it easy to use the Web the way you want and offers leading privacy and security features to help keep you safe and protect your privacy online.

Mozilla continues to move the Web forward by pioneering new open source technologies such as asm.js, Emscripten and WebAPIs. Firefox also has a range of amazing built-in developer tools to provide a friction-free environment for building Web apps and Web content.

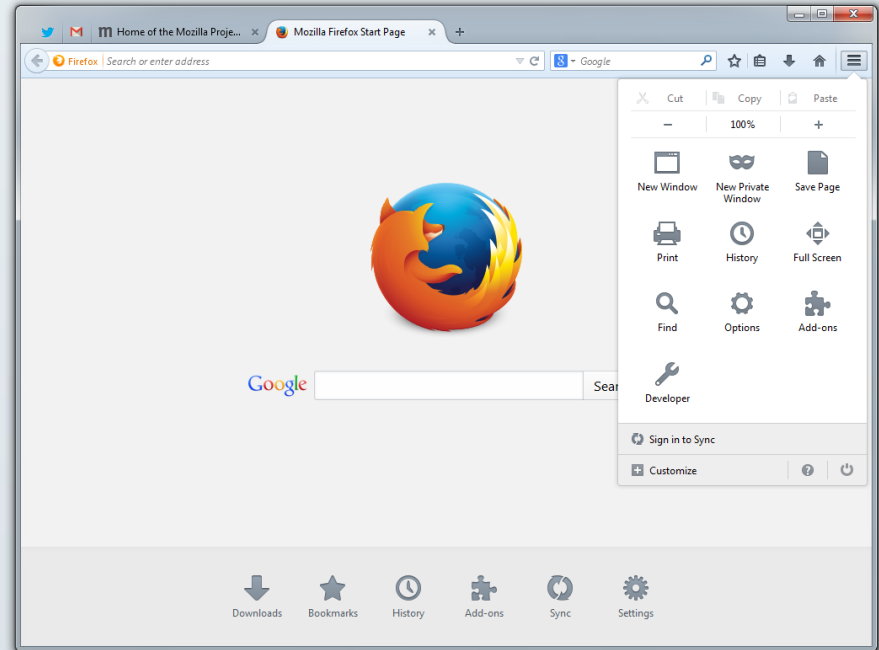
We believe the Web should be open and accessible to all so we make Firefox for Windows, Mac and Linux and localize it in more than 80 languages with help from the global Mozilla community.

# Make Firefox Yours

Firefox is the most customizable browser and adapts to you as you use it.

Firefox has built-in tools like customization mode and hundreds of thousands of Firefox Add-ons so you can change the look, features and functionality to make Firefox your own.

Firefox enables you to take your personal Web experience across devices and platforms with Firefox Sync.



## Firefox Menu

The menu sits in the right hand corner of Firefox and includes popular browser controls, features and add-ons in one place to make it easier and faster to access them. You can find familiar tools like copy/paste, print, save page and full screen.

When you download a new Firefox Add-on, you will be able to add its icon in the same new menu panel, giving add-ons a permanent place in your browser.

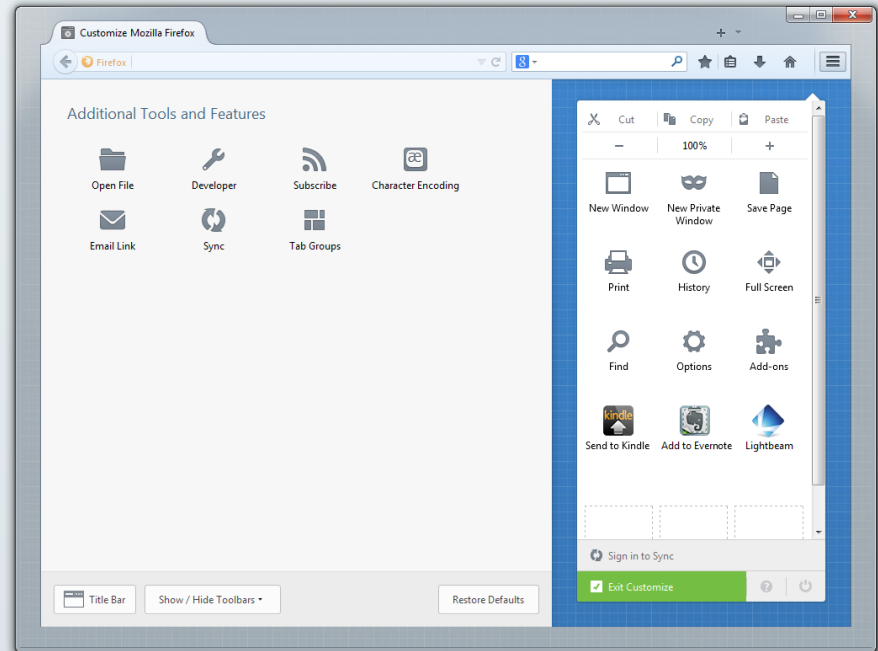
The features on this menu are completely customizable so you can edit or add features you use most.

## Customization Mode

Firefox has a customization mode to make it easy for you to personalize your Web experience to access the features you use the most.

Just click “Customize” on the bottom of the menu and Firefox will transform into customization mode.

You can manually drag and drop your favorite feature, add-on or tool in the menu or toolbar.

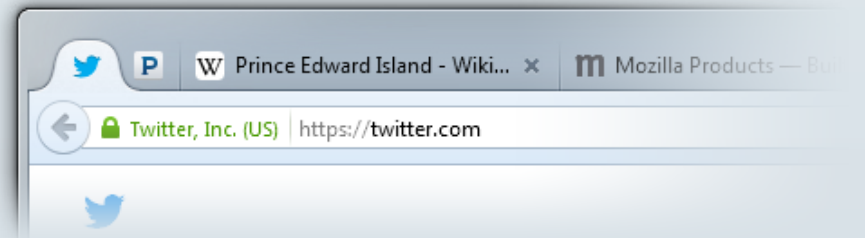
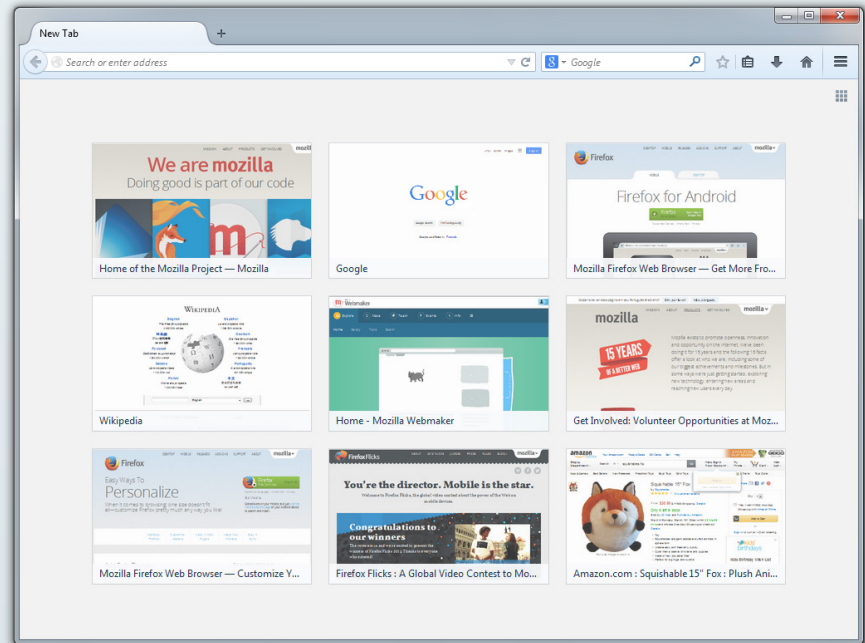


## Tab Customization

**New Tab Page:** When you open a new tab you'll see thumbnails of your most recently and frequently visited sites. You can customize these by adding or removing thumbnails based on where you go most.

**Pinned Tabs:** Pinned Tabs offer a better way to manage tabs that you use frequently. Just right click on any tab and select "Pin Tab" to give a permanent home to the sites you "live" in — like email, music and news sites.

**Switch to Tab:** When you open a new tab and start typing in the Awesome Bar, Firefox will check to see if you already have that site open. If you do, you'll be taken to the open tab so you don't have a duplicate.

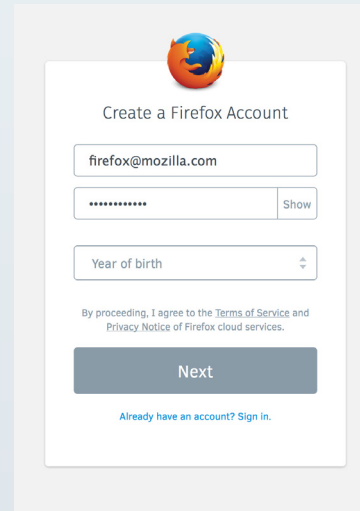


## Firefox Sync powered by Firefox Accounts

You can use Firefox Sync on Windows, Mac, Linux and Android as a safe and easy way for you to take your Firefox everywhere.

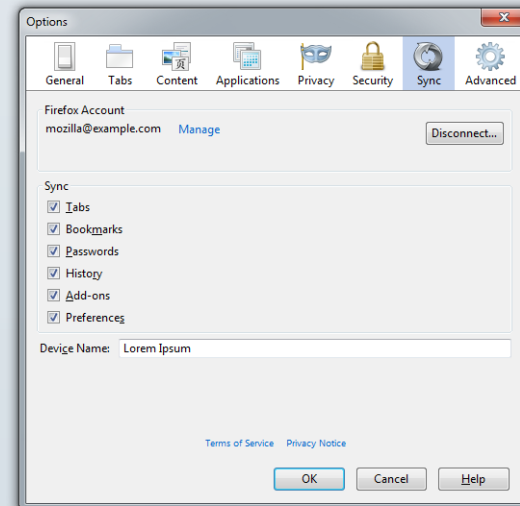
Just create a Firefox Account and our sync feature makes it even easier to setup and add multiple devices with end-to-end encryption.

Firefox Sync gives you access to Awesome Bar history, saved passwords, bookmarks, open tabs and form data across your computers and mobile Android devices.



## Setup Firefox Sync

1. Click the menu button and choose 'Sign into Sync'.
2. The 'Create a Firefox Account' page will open in a new tab.
3. Fill out the form to create an account and click 'Next'.
4. Check your email for the verification link and click on it to confirm your account.
5. Sign into Firefox Sync on another computer or your Android device.



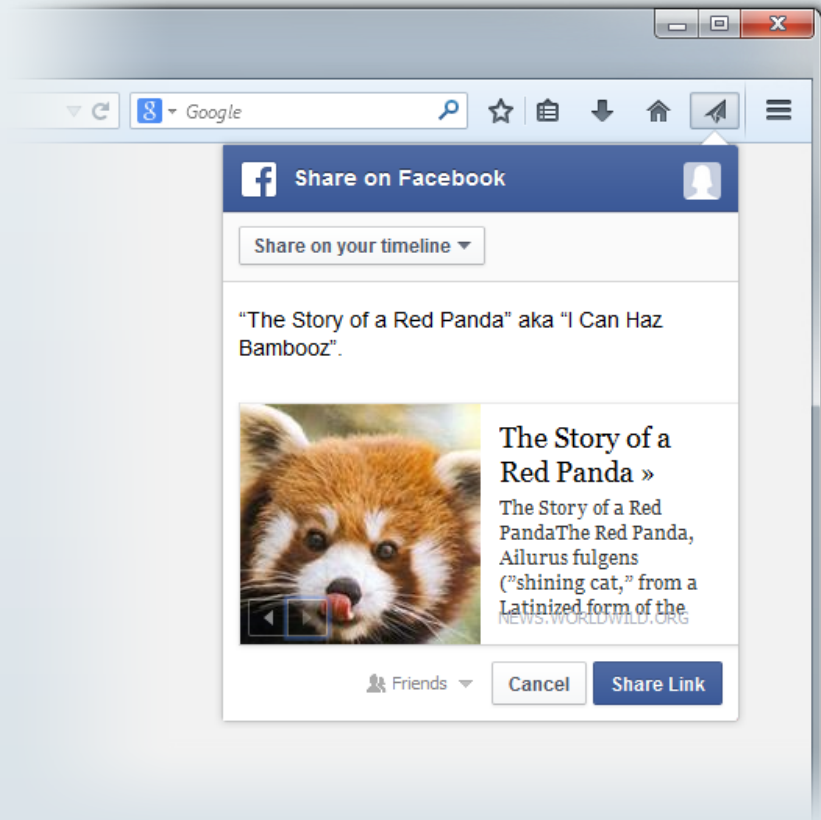
## Social Integration

You use the Web to connect with friends, family and content, so we made it easy to integrate social apps and other services with Firefox.

You check in often for messages, notifications and updates from your social groups, sometimes while you're already engaged with another task on the Web.

To enable Firefox Share, simply visit <http://mzl.la/1ifRDeT>, select the Web app you wish to add and select 'enable services'.\*

You can easily share a Web page to your friends and family without having to open a new Web page or switch between tabs.



\* NOTE: Some services, require you to be logged into the website in order for it to work properly.

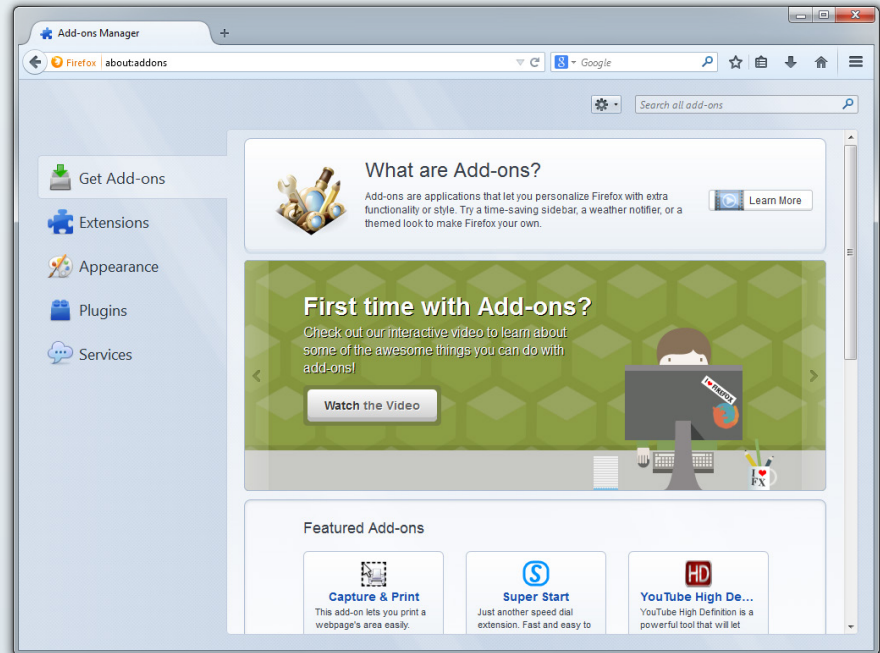


## Firefox Add-ons

There are hundreds of thousands of Firefox Add-ons available to customize the look, features and functionality of your Web experience.

Whether it's listening to music, reading the news or shopping, there's a Firefox Add-on for how you want to use the Web.

Firefox includes an Add-ons Manager you can access from the menu to help easily discover and install add-ons.



# Privacy and Security

Firefox is the trusted browser of choice for half a billion people worldwide. We want to help keep you safe while you browse the Web. We believe you should be in control of how or if you share your data online.

Firefox leads the industry in offering privacy and security features like Do Not Track and private browsing to give you more control over your personal browsing information.

- **Do Not Track:** Do Not Track lets you tell websites that you would like to opt-out of online tracking used for advertising. Mozilla introduced Do Not Track to the market and Firefox was the first desktop and mobile browser to offer the privacy feature. You can find Do Not Track as an option on the Privacy panel of your Firefox Preferences.
- **Private Browsing:** Private Browsing allows you to browse the Web without saving any information about which sites and pages you've visited. You can move in and out of Private Browsing mode quickly, so it's easy to multitask. This feature is great if you're doing your online banking on a shared computer or checking email from a café. Simply select "New Private Window" from the menu to prevent your browsing history from being recorded.

Firefox security features help keep you safe from prying websites and malicious content.

- **Click to Play Plugins:** Firefox will warn you if you are running an outdated version of a plugin like Silverlight, Flash or any Java plugin. Firefox only loads these plugins after you click to enable them to protect you from security and stability risks.
- **Secure Search:** Firefox automatically makes your Google searches secure in Firefox to protect your data from potentially prying eyes, like network administrators when you use public or shared WiFi networks.
- **Mixed Content Blocker:** Mixed content occurs when a Web page containing a combination of both secure (HTTPS) and nonsecure (HTTP) content is delivered over a secure data channel (SSL) to the browser. The Mixed Content Blocker prevents nonsecure (HTTP) content on a website being read or modified by attackers by blocking the nonsecure content from being compromised.

# The Web is the Platform

Mozilla is unlocking the Web as the platform to build powerful applications and beautiful and compelling games, all powered by open technologies and standards like HTML5, CSS and JavaScript without the need for plugins and third-party software. Firefox has full support for HTML5 and leads the industry in developing new cutting edge technologies and working towards Web standards. Some highlights include:

## WebRTC

Firefox supports WebRTC, which enables video calls and file sharing between browsers. As components of WebRTC: `getUserMedia` allows a developer to capture camera and microphone data (with the user's permission); `PeerConnection` enables audio and video calling in a secure, hassle-free way; while `DataChannels`, which Mozilla was the first to implement, can be used to send almost any data that the browser can access. The Mozilla-pioneered Opus audio codec, a completely free, high-quality audio format, is part of the Firefox WebRTC implementation and is mandated in the WebRTC standard.

## WebAPIs

There are now more than 30 Mozilla-pioneered [WebAPIs](#) with at least eight new APIs introduced in the last year, including [WebNFC](#) and [Data Store API](#). These new APIs build more functionality and features into the Web for app development. There is increasing industry adoption as these APIs move towards standardization. The Vibration API and Battery Status API have been added to WebKit, while tools like Apache Cordova and Adobe's PhoneGap now integrate six of the most popular WebAPIs into their products.

## CSS Flexbox

The integration of CSS Flexbox in Firefox makes it easier for developers to build user interfaces that adapt to the size of the browser window or to create elastic layouts which adapt themselves to the font size. This is helpful when developers are trying to create a consistent user interface to their Website or Web app across desktop and mobile.

## Web Audio API

The [Web Audio API](#) allows developers to build robust audio engines capable of new features like positional audio and support for effects such as reverb, which can create immersive audio experiences on the Web, which is especially important for game developers.

## The Web as a Gaming Platform

Mozilla is unlocking the Web as the platform to build powerful applications and beautiful and compelling games, all powered by open technologies and standards like HTML5, CSS and JavaScript without the need for plugins and third-party software.

Firefox has full support for HTML5 and leads the industry in developing new cutting edge technologies and working towards Web standards. Mozilla made immersive, 3D gaming possible on the Web. Now, we are working to make it easier for developers to create and distribute games on the Web that you enjoy playing. We are doing this with advancements including:

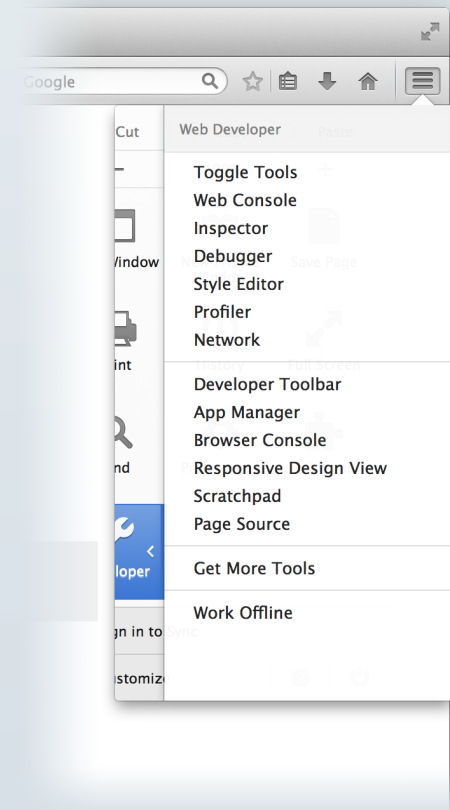
- **asm.js and Emscripten:** Mozilla-pioneered technologies that convert C/C++ games into [asm.js](#) (a subset of JavaScript) so games can run in the browser at near-native speed without the friction of plugins. Specific asm.js optimizations in Firefox means it currently runs asm.js-style code faster than any other browser.
- **Unreal Engine 4 from Epic Games and Unity 5 from Unity:** Using asm.js and Emscripten, we helped enable these hugely popular game engines to add the Web as another export option without the need for plugins. Epic's Unreal Engine 4 will be available soon with HTML5 export and Unity's WebGL add-on will be made available with the release of Unity 5.0 later this year.

Now, millions of established game developers can export their games to the Web and benefit from the power of just clicking a link for game discovery.

# Developer Tools

Firefox makes it faster and easier for developers to create wonderful, interactive and innovative Web experiences. By enabling the latest HTML5 Web technologies, we're bringing new capabilities in 3D graphics, video, sound and multitouch interaction. Firefox has a slew of amazing developer tools that you can access from the menu that are designed to help developers build for the Web faster and easier.

- **JavaScript Debugger:** Firefox has a fast, built-in JavaScript Debugger that has minimal impact on application performance and gives developers greater insight into their code. Developers can use the same JavaScript Debugger on Firefox desktop to remotely debug apps running on Firefox OS and Firefox for Android.
- **App Manager:** Brings the Firefox Web developer tools to mobile app developers, simplifying mobile Web app development with live prototyping and debugging of apps on Firefox OS phones directly from the desktop.
- **Developer Command Line:** Provides easy keyboard control over Firefox Developer Tools and intuitively completes commands and parameters for you.
- **Web Console:** Allows you to peek under the hood of websites.
- **Tilt, 3D Page Inspector:** Unique to Firefox, this is a WebGL-based website visualization tool. The 3D view clearly illustrates how parts of a website are structured. After selecting "3D View" in Page Inspector, just hover your mouse over the elements to get more information about each piece.
- **Responsive Design View:** Firefox allows developers to view and test websites across multiple screen sizes. The feature helps developers quickly test mockups for mobile websites and test responsive breakpoints without leaving their desktop browser.
- **Network Monitor:** The Network Monitor helps pinpoint where the problems are by breaking down individual components on a timeline, so that you can fix them.





# Firefox<sup>®</sup>

Thank you for reviewing Firefox. The Mozilla community works hard to deliver the best Firefox possible and we hope you enjoy browsing. If you have any questions, contact [press@mozilla.com](mailto:press@mozilla.com).

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