



# BRAVE

Fast, secure browser



# Motivation behind brave



1. In today's internet world 65% market share is with chrome .But chrome has many problems including privacy issues and heavy memory usage.Other browsers from big tech companies also had the same issue.Thus implanted with the idea of brave
2. Brave is built with very first goal of customer in mind , thus follow strong encryption Protocols with built in IPFS integration and tor onion routing. Thus giving a secured User friendly browser experience without any tracking
3. Brave is built in mind with the goal of transparency thus has been opt as open source software . This is contrasting to big tech company browsers which have closed proprietary licenses which exploits user data for their own gains
4. Brave has been built as a very fast browser with quick page loading quite feature rich with the support of chrome extensions,thus giving a easy time for the users shifting from chrome
5. Brave has been built with a goal of consuming very little memory usage so that even old computers are also capable of running the browser smoothly



# Workflow of Brave Browser



## DNS Resolution

This process makes sure that once the user enters a URL, the browser knows which server it has to connect to

**Step 1**  
DNS  
Resolution

**Step 2**  
HTTP Exchange

## HTTP Exchange

Once the browser has identified which server is going to serve our request, it will initiate a TCP connection with it and begin the **HTTP exchange**. An HTTP exchange involves the client (our browser) sending a **request**, and the server replying back with a **response**.

## Rendering

In the **body** of the response, the server includes the representation of the response according to the Content-Type header. Then the browser parses the HTML, loads additional resources included in the markup (for example, there could be JavaScript files or CSS documents to fetch) and presents them to the user as soon as possible.

**Step 3**  
Rendering

**Step 4**  
Vendors

## Vendors

Browsers belonging to different vendors like Chrome by Google, Firefox by Mozilla, Edge by Microsoft, etc.,. These vendors maintain web standards for smooth web experience

# Ideation phase of Brave Browser

2018-2022..

2014

## Brave logo

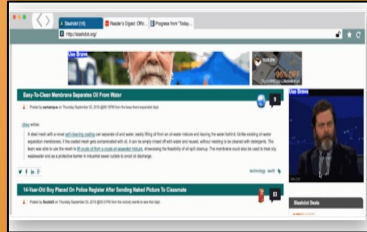
This is how brave browser logo was designed



2016

## Brave upgrade

Brave browser upgraded from graphene code to electron framework and switched to chromium



## Brave first design

First, Brave browser was based on Graphene code, and used a multi-process/sandboxed web app framework built on the Gecko rendering engine,

2015

2017

## Launched in multi cross platform

Brave was successful launched in Multi cross platforms of android, windows, ios, linux platforms

## Winning peoples hearts and many other upgrades

With more than 100 million downloads across all platforms, brave gets tremendous response from users all the world. Many new updates including tor protection, BAT tokens for browsing, speedreader mode, Rewards program and news feature



# Advantages of Brave Browser



**Load pages 3x to 6x faster than other browsers**

**Brave brings truly independent search Engine which is private and has its own search index**

**Brave offers best-in-class integration between private search and a privacy browser. This means all-in-one protection online—both during and after your search**

**Brave blocks all creepy ads from every website by default.**

**Brave quickly import bookmarks, extensions, even saved passwords from other browsers**