TASK - 7

Objective: Learn to spot and remove potentially harmful browser extensions.

Step 1. Open your browser's extension/add-ons manager.

The method varies slightly by browser.

Google Chrome:

Click the three vertical dots in the top-right corner → More tools → Extensions.

Or, type chrome://extensions/ into the address bar and press Enter.

Mozilla Firefox:

Click the three horizontal lines in the top-right corner → Add-ons and themes.

Or, type about:addons into the address bar and press Enter.

Microsoft Edge:

Click the three horizontal dots in the top-right corner → Extensions.

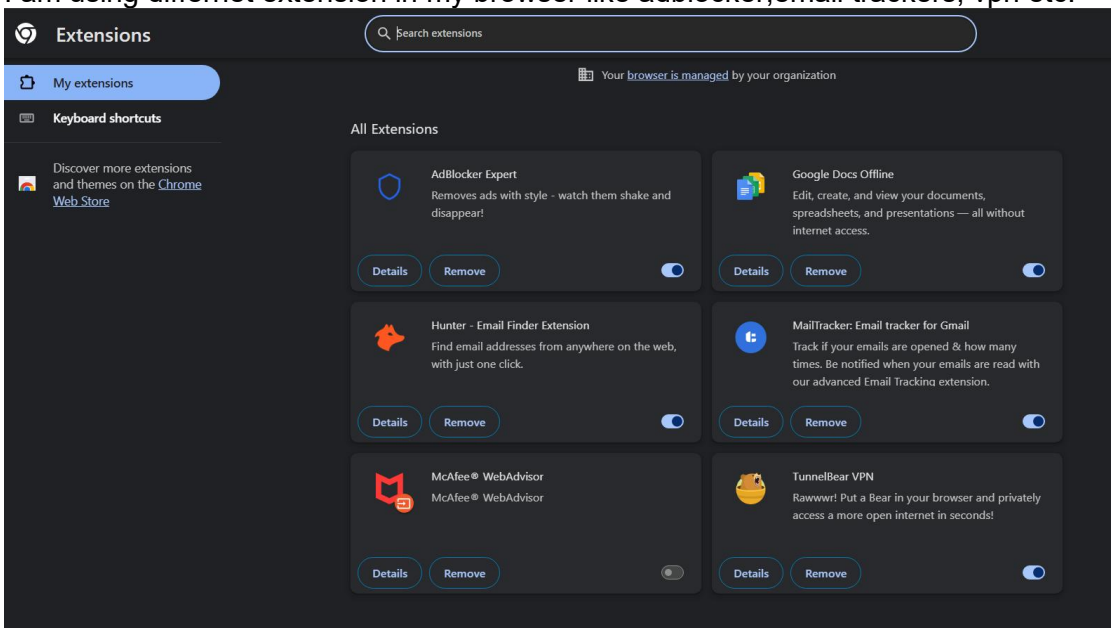
Or, type edge://extensions/ into the address bar and press Enter.

Apple Safari:

Safari → Settings (or Preferences) → Extensions.

Step 2 : Review the Extensions or Add-ons

I am using differnet extension in my browser like adblocker,email trackers, vpn etc.

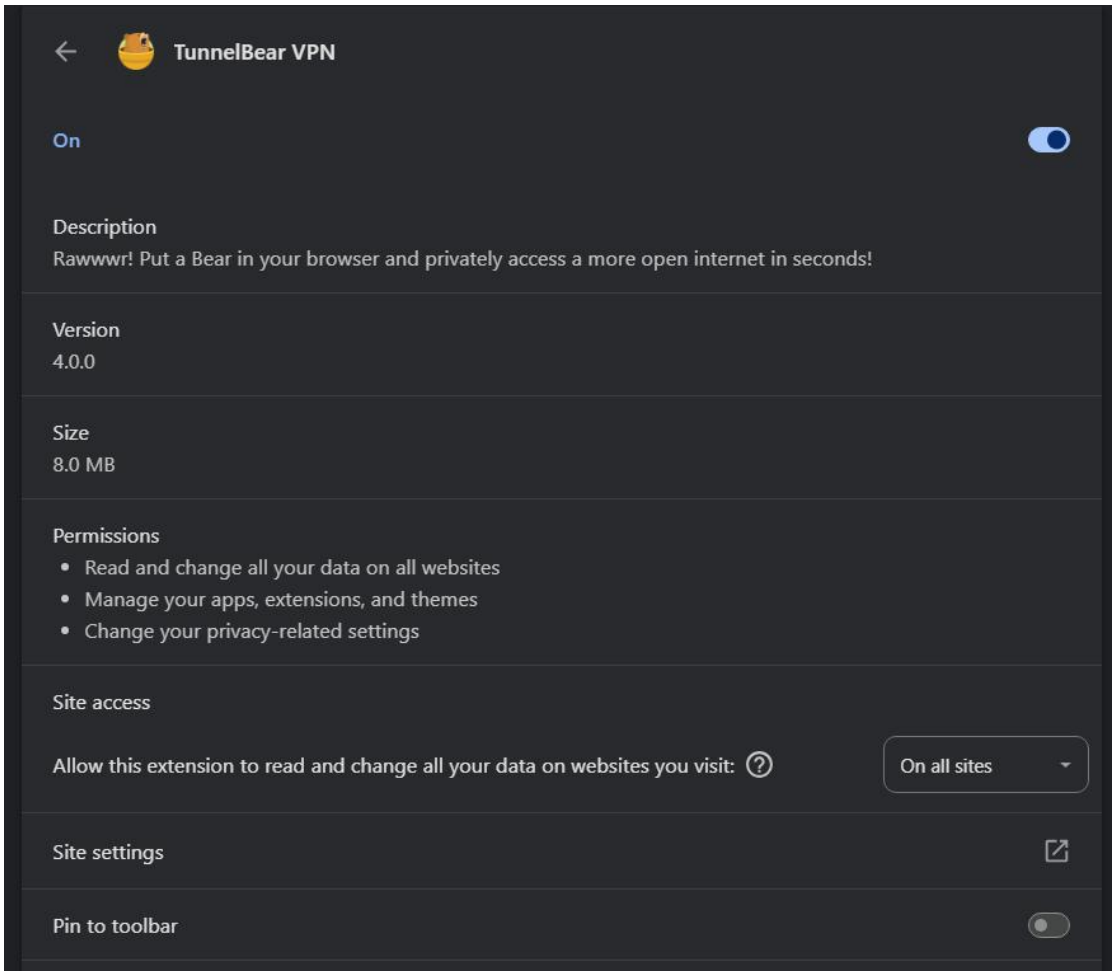


Step 3: Check Permissions and Reviews for Each Extension

This is the most critical step for identifying potential threats.

Click on each extension in the list to see its details.

Review Permissions: Look for a section called "Permissions," "Details,".

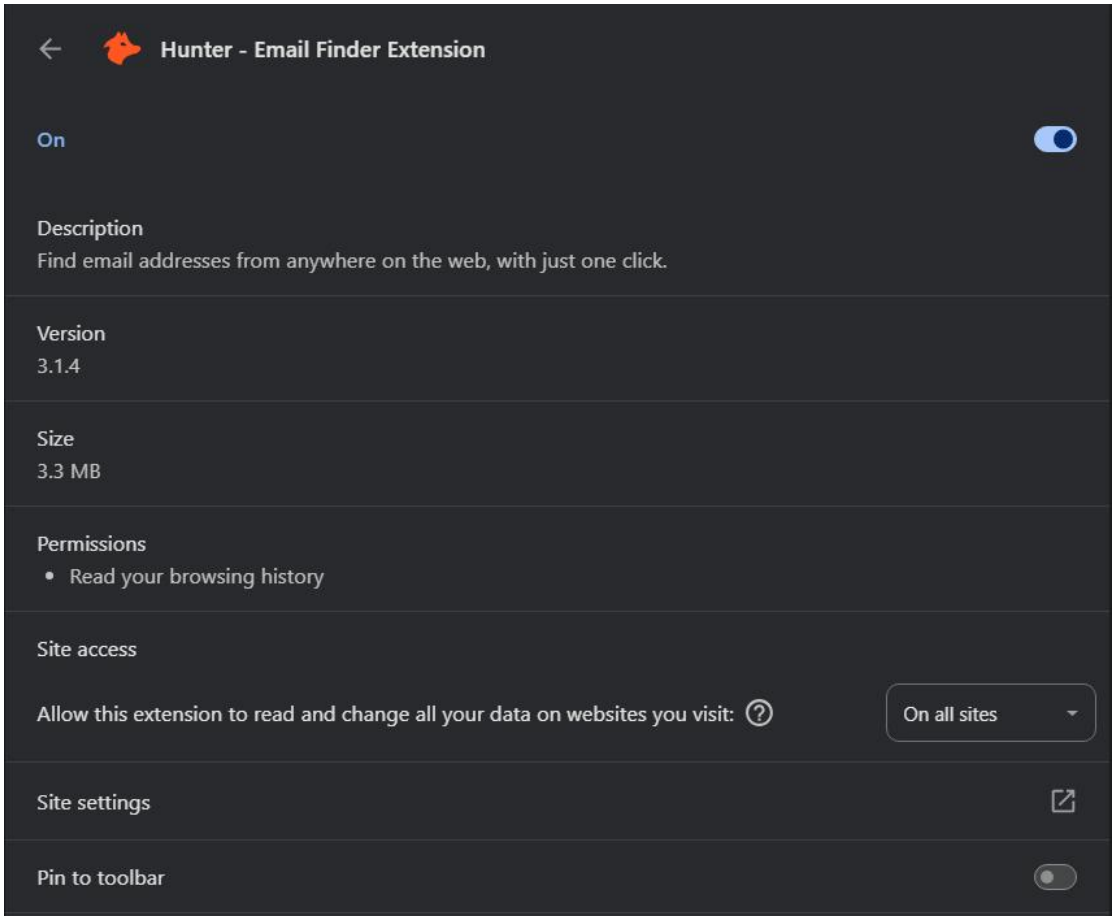


This extension is used by 10 million users .

It has the rating of 4.6 out of 5 .

Benefits:

Reduce the ability for websites, advertisers and ISPs to track your browsing Secure your browser on public WiFi
Get around blocked websites
Connect to a lightning fast private network with connections to 20 countries



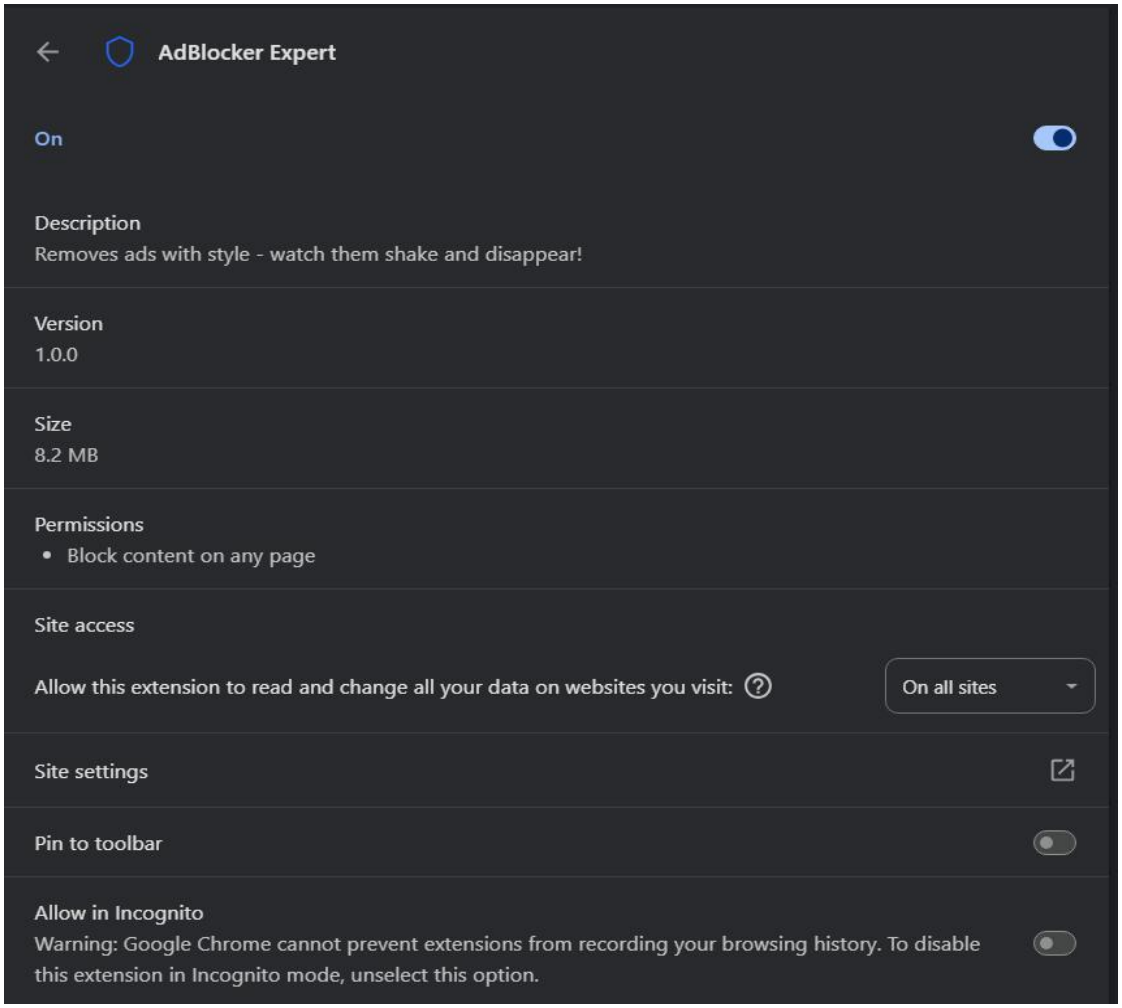
This extension is used by 700k users.

It has rating of 4.7 out of 5.

Benefits :

Find email addresses from anywhere on the web, with just one click.

Hunter for Chrome lets you find immediately who to contact when you visit a website.



This extension is used by 100k+ users .

It has 4.5 rating out of 5.

Benefits:

Timed ad viewing with automatic hiding
Blocks intrusive pop-ups and overlays after the fair view period
Stops tracking scripts and malicious ads completely
Works across all websites and platforms
Lightweight with minimal impact on performance

Step 3 : Remove Suspicious or Unnecessary Extensions

Identify any unused or suspicious extension form your chrome because a lot of extensions are malicious , this can extract and steal our data without noticing .

Step 4 : Research How Malicious Extensions Can Harm Users

Malicious browser extensions can cause a variety of problems:

Data Theft: They can steal sensitive information you type into websites, including passwords, credit card numbers, and personal details (keylogging).

Ad Injection: They can inject unwanted, malicious, or fraudulent ads into the web pages you visit.

Browser Hijacking: They can change your default search engine, homepage, or new tab page without your consent, often to a phishing site or one filled with ads.

Tracking & Profiling: They can track your entire browsing history, building a detailed profile of your interests, habits, and online behavior to sell to data brokers.

Cryptojacking: They can use your computer's resources to mine cryptocurrencies without your knowledge, slowing down your system.

Malware Distribution: They can be used as a gateway to download and install more severe malware onto your computer.

Summary :

I have removed adblocker expert because there is no need of and it looks some suspicious for me .

And I also removed tunnelbear vpn . it may have lot of features but there may chance of data theft because it will read all the data when browsing , so it may be malicious extension but instead of this I am using protonvpn which a most trusted free vpn service provider.