

# Browser Extension Security Report

## Task: Identify and Remove Suspicious Browser Extensions

### 1. Objective:

The goal of this task was to review all installed Chrome extensions, identify any that appear suspicious or unnecessary, and remove them to improve browser security and performance.

### 2. Tools Used:

- **Browser:** Google Chrome
- **Feature Used:** `chrome://extensions/`
- **Additional Checks:** Viewed permissions, version, and source of each extension.

### 3. Extensions Found:

- a) 360 Internet Protection
- b) WPS PDF – Read, Edit, Fill, Convert, and AI Chat PDF with Ease
- c) McAfee WebAdvisor
- d) Google Docs Offline

### 4. Permissions & Observations:

#### (a) 360 Internet Protection:

- **Version:** 2.1.57
- **Size:** < 1 MB
- **Source:** Added by a third-party
- **Permissions:** Can read and change your data on all sites
- **Remarks:** Unknown publisher, duplicate of existing antivirus protection, unnecessary for Chrome, potential privacy risk.
- **Action:** *Removed (Suspicious)*

**(b) WPS PDF – Read, Edit, Fill, Convert, and AI Chat PDF with Ease:**

- **Version:** 1.0.0.52
- **Size:** 13.2 MB
- **Source:** Added by a third-party
- **Permissions:** Can read and change your data on all sites
- **Remarks:** Excessive permissions, added by WPS suite, not needed if PDFs are handled locally.
- **Action:** *Removed (Unnecessary / High permission access)*

**(c) McAfee WebAdvisor:**

- **Version:** 8.1.0.7320
- **Size:** 23.9 MB
- **Source:** Added by a third-party (official security tool)
- **Permissions:** Reads site data to provide safe-browsing protection
- **Remarks:** Legitimate extension from a trusted security vendor.
- **Action:** *Kept (Safe)*

**(d) Google Docs Offline:**

- **Version:** 1.97.1
- **Size:** < 1 MB
- **Source:** Installed by default
- **Permissions:** Limited to docs.google.com and drive.google.com
- **Remarks:** Trusted official Google extension.
- **Action:** *Kept (Safe)*

## 5. Summary of Removed Extensions:

Extension Name	Version	Source	Permissions	Reason for Removal	Date
360 Internet Protection	2.1.57	Third-party	Read/change all data	Suspicious / Duplicate protection	30/10/2025
WPS PDF	1.0.0.52	Third-party	Read/change all data	Unnecessary / Excessive permissions	30/10/2025

## 6. Results:

- **Remaining safe extensions:** Google Docs Offline, McAfee WebAdvisor
- **Removed:** 2 unnecessary or suspicious third-party extensions
- **Browser performance:** Improved slightly after removal (faster startup and fewer background processes)
- **Security improvement:** Reduced risk of data tracking or malicious activity from unknown sources

## 7. Learning:

- Malicious extensions can spy on browsing data, inject ads, or redirect searches.
- Always review permissions before installing any extension.
- Prefer verified extensions from trusted developers or official sources.
- Conduct regular extension audits to maintain browser security.

## 8. Conclusion:

The extension audit successfully identified and removed two potentially risky third-party add-ons. Only trusted and necessary extensions remain active, improving both privacy and performance.

**Outcome:** Enhanced awareness of browser security risks and safe extension management.