**CTF Topic: Analyzing Web Page Security Using "Assay - the URL Inspection Tools" Extension**

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**1. Introduction**



"Assay - the URL Inspection Tools" is a Chrome extension designed to help users inspect and analyze URLs for various security and performance metrics. This Capture the Flag (CTF) scenario introduces beginners to the basics of using the "Assay - the URL Inspection Tools" extension to identify potential security and performance issues on a given webpage.

**2. Tools and Requirements**

**Assay** - the URL Inspection Tools Chrome Extension: An extension for Google Chrome that helps in inspecting and analyzing URLs for security and performance.

**3. Scenario**

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In this scenario, you will use the "Assay - the URL Inspection Tools" extension to analyze the webpage for wikipedia.org. Your tasks include identifying security and performance issues and capturing flags based on the analysis.

**4. Process to follow while performing CTF**

Step 1: To start, install the "Assay - the URL Inspection Tools" extension from the Chrome Web Store or open the link:

<https://chromewebstore.google.com/detail/assay-the-url-inspection/dpaahndfhbkiolfhjbeaocgmphmgidih>

Step 2: Open the extension Assay and enter the wrl: <http://testhtml5.vulnweb.com/#/popular>

Step 3: Go to the content length 30218 and click on it.

Step 4: Capture the flag.

**Questions and Answers**

**Flag 1: What is the ip-address of the request?**

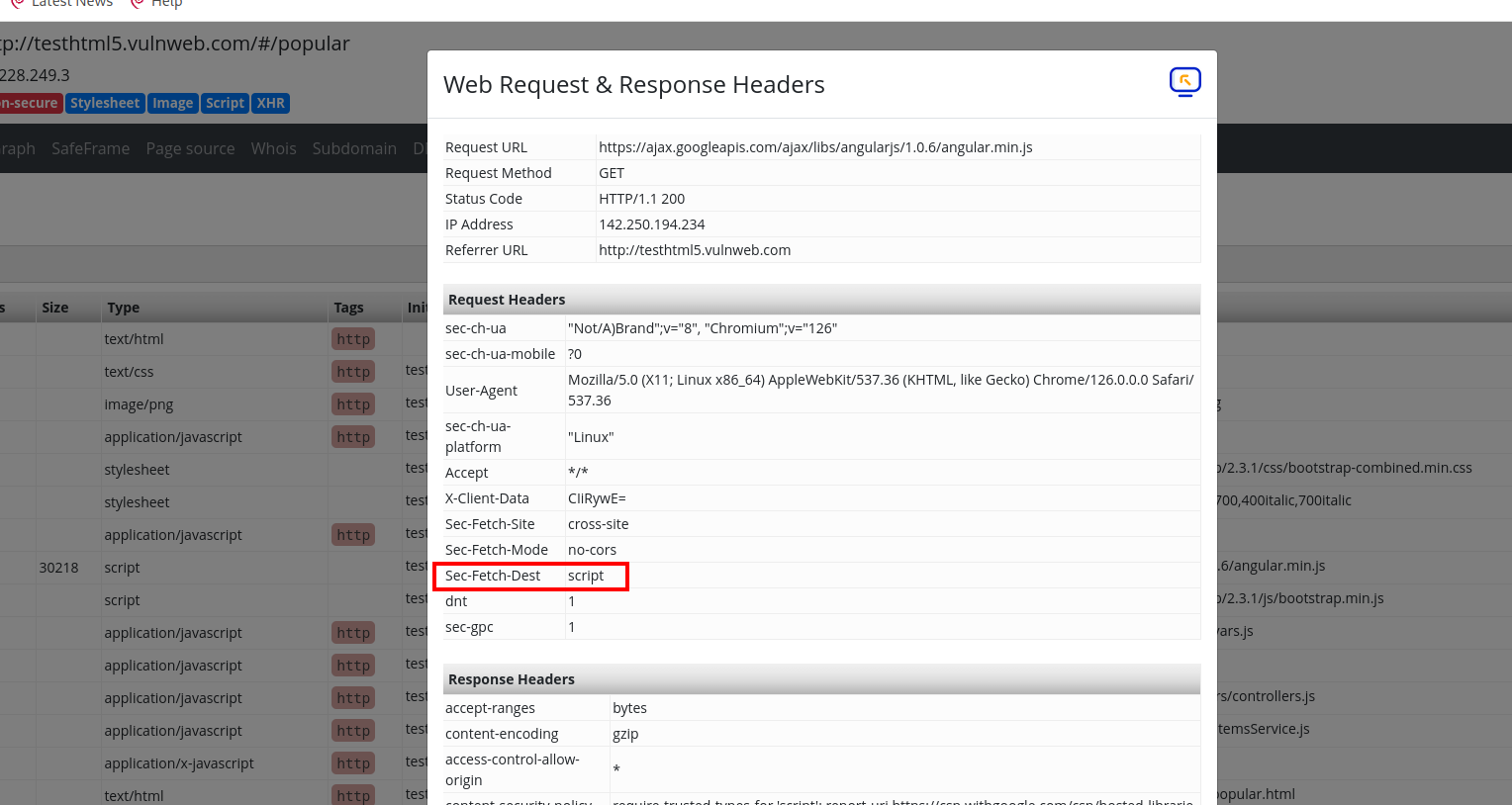
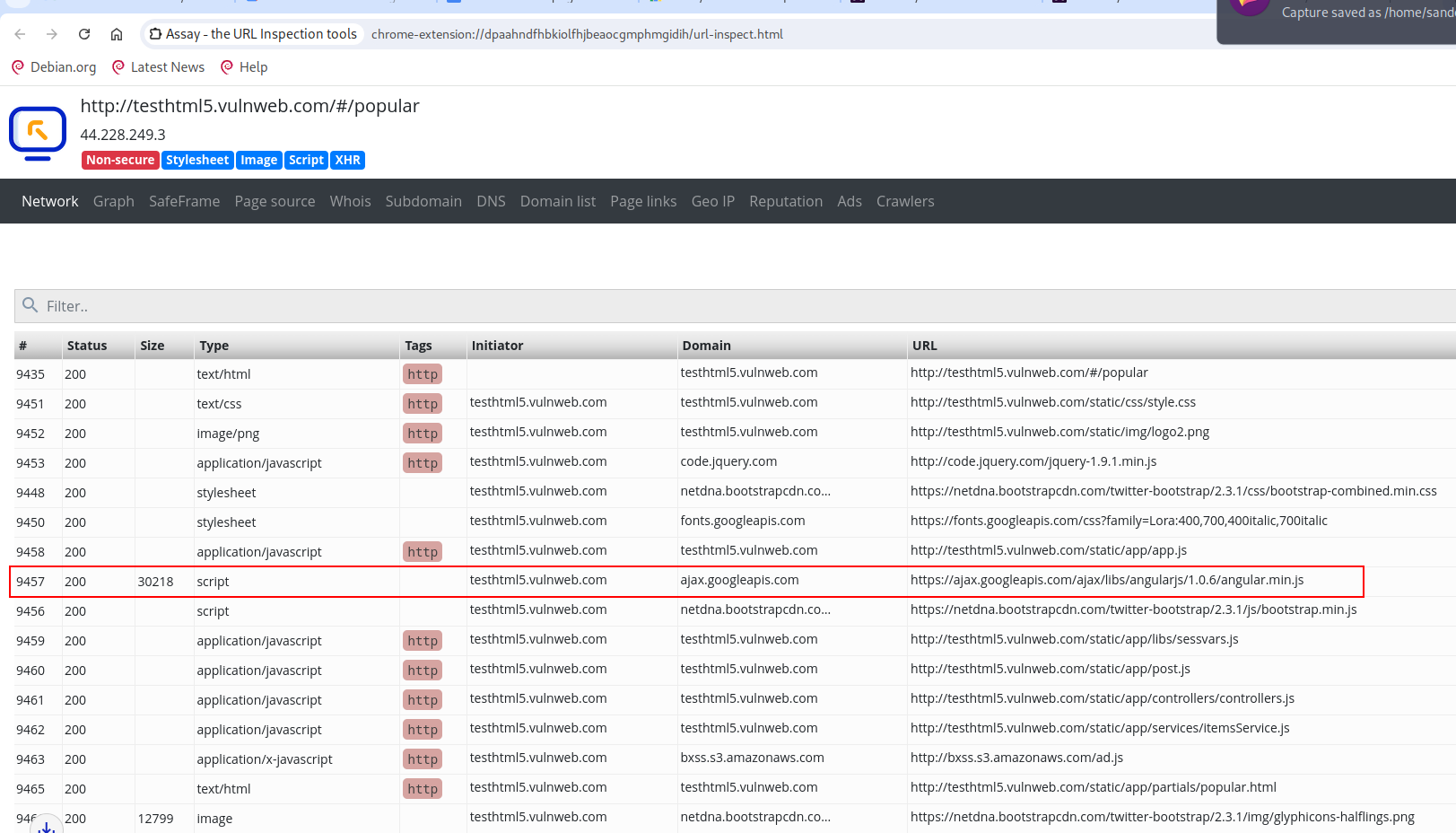
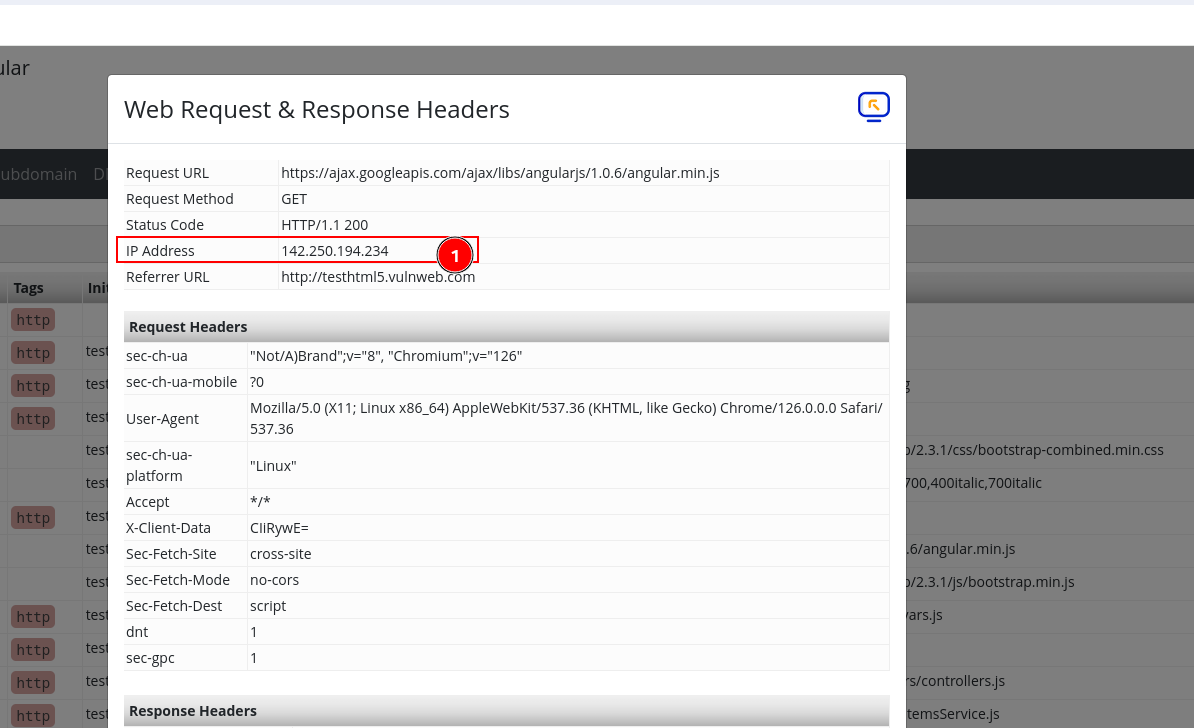
**Answer: 142.250.194.234**

**Flag Captured.**

**Flag 2: What is the Sec-Fetch-Site ?**

**Answer: cross-site**

**Flag Captured.**

**Hint**