

Small Bug 😊

Title: Invalid domain input causes infinite loader on FE and sends a request resulting in 404 Not Found on BE.

Environment: <https://easydmarc.com/tools/spf-record-generator>

Browser: Chrome Version 145.0.7632.77 (Official Build) (64-bit)

Severity: Medium

Steps to Reproduce:

1. Navigate to the SPF Record Generator tool.
2. In the **Domain** input field, enter invalid values such as:
 - .example.com
 - example..com
 - -example.com
 - example-.com
3. Remove any value from the **Include** field.
4. Click **Generate**.

Endpoint: https://easydmarc.com/tools/spf/record?is_embed=false

Actual Result:

- FE shows an **infinite loading state** on the **Generate** button.
- A request is sent to the BE.
- BE responds with **404 Not Found**.
- No validation error is shown to the user.

Expected Result:

- Invalid domain input should be **validated on the FE**.

- A clear validation error message should be displayed.
- The loading state should stop or not become infinite.

Screenshot:

The screenshot shows the EasyDMARC SPF Record Generator interface. At the top, there's a navigation bar with links for Products, Tools, Pricing, Resources, Industries, MSPs & Resellers, Start Free Trial, and Get A Demo. Below the navigation is a search bar with the URL easydmarc.com/tools/spf-record-generator and a promotional banner for a TouchPoint webinar.

The main area has a title "Choose source values" with a "Use Redirect" toggle. Below it are sections for "Include" and "IPv4" with a "Show more" link. A dropdown for "Select failure policy" is set to "SoftFail". A link "Learn more about SPF specifications" is present. On the right, there's a blue "Start" button with a red rectangle highlighting it.

Below these settings is a network timeline showing various requests over time. The timeline includes filters for All, Fetch/XHR, Doc, CSS, JS, Font, Img, Media, Manifest, Socket, Wasm, and Other. The "Fetch/XHR" tab is selected. The timeline shows several requests, with one specific request highlighted in red, which corresponds to the "example.com" entry in the payload details below.

The "Payload" tab is active, showing the following details for the highlighted request:

- Headers:** Query String Parameters: is_embed=false; Form Data: v=spf1, _crf=example.com, redirect=_, all=_.
- Preview:** Shows the SPF record being generated: "v=spf1 _crf=example.com redirect=_ all=_".
- Response:** Shows the response status as 200 OK.
- Initiator:** Shows the initiator of the request.
- Timing:** Shows the timing of the request.
- Cookies:** Shows any cookies associated with the request.

On the left side of the payload details, there's a sidebar with a tree view of other requests, including ones for "recent?is_static_app=conversations-vis..." and "wa?medium=fetch&fmt=g".

At the bottom left, it says "86 / 247 requests | 20.5 kB / 162 kB transferred".