

C49: Basic SPF Record Generation

Type	Priority	Estimate	References
Functional	High	None	qa-task/tests/generate-spf-with-single-include.spec.js
Automation Type	Is Automated		
None	Yes		
Labels			

Preconditions

- Open EasyDMARC SPF Record Generator page
- SPF Record Generator form is visible

Test Data:

- **Domain:** test.com
- **Mechanism Type:** include
- **Mechanism Value:** _spf.google.com
- **Failure Policy:** SoftFail

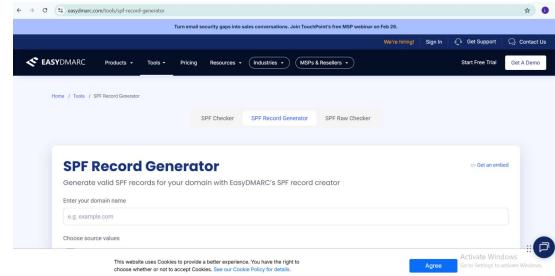
Steps

1 Open the EasyDMARC SPF Record Generator page.

Expected Result:

The SPF Record Generator page should open successfully and load without errors.

Screenshot:



2 Scroll to the SPF Record Generator block until it is fully visible.

Expected Result:

The SPF Record Generator block should be displayed and should contain all of the following:

- The **Domain** input field should be displayed with the placeholder of '**e.g. example.com**'.
- The **Use Redirect** toggle should be displayed and should be **unchecked** by default.

- The **Include** mechanism input field should be displayed with the placeholder of 'Start typing Email Sender name or include value'.
- The **Include**, **IPv4**, and **Show more** options should be displayed.
- The **Select failure policy** dropdown should be displayed with the default value of '**SoftFail**'.
- The **Generate** button should be displayed and should be **disabled** by default.

Screenshot:

The screenshot shows the 'SPF Record Generator' interface. At the top, it says 'Generate valid SPF records for your domain with EasyDMARC's SPF record creator'. Below that is a 'Domain' input field with the placeholder 'e.g. example.com'. Underneath the domain field are two radio buttons: 'Use Redirect' (selected) and 'Use Verify'. There are three tabs at the top: 'Include' (selected), 'Include + IPv4', and 'Show more'. A dropdown menu for 'Select failure policy' is set to 'Softfail'. A link 'Learn more about SPF specifications' is at the bottom right, along with a 'Generate' button.

3 In the **Domain** input field, enter test.com.

Expected Result:

The **test.com** should be displayed in the Domain input field and no validation error should be displayed.

Screenshot:

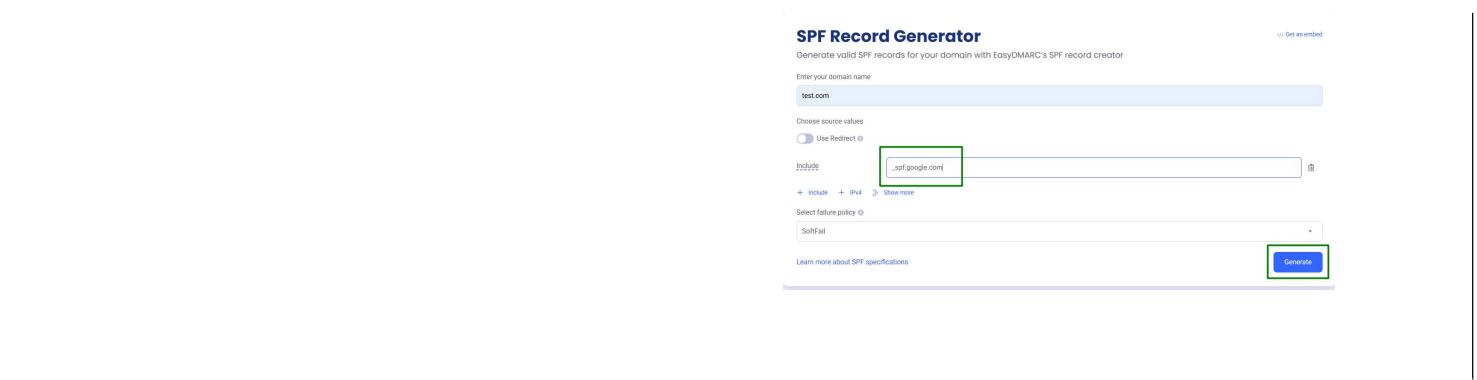
The screenshot shows the same 'SPF Record Generator' interface as before, but now the 'Domain' input field contains the value 'test.com', which is highlighted with a green border. The rest of the interface remains the same, including the tabs, failure policy dropdown, and 'Generate' button.

4 In the **Include** mechanism input field, enter _spf.google.com.

Expected Result:

- The **_spf.google.com** value should be displayed in the Include mechanism input field and no validation error should be displayed.
- The **Generate** button should be enabled.

Screenshot:



5 Click the **Generate** button.

Expected Result:

The SPF record should be generated successfully and the output information should be displayed.

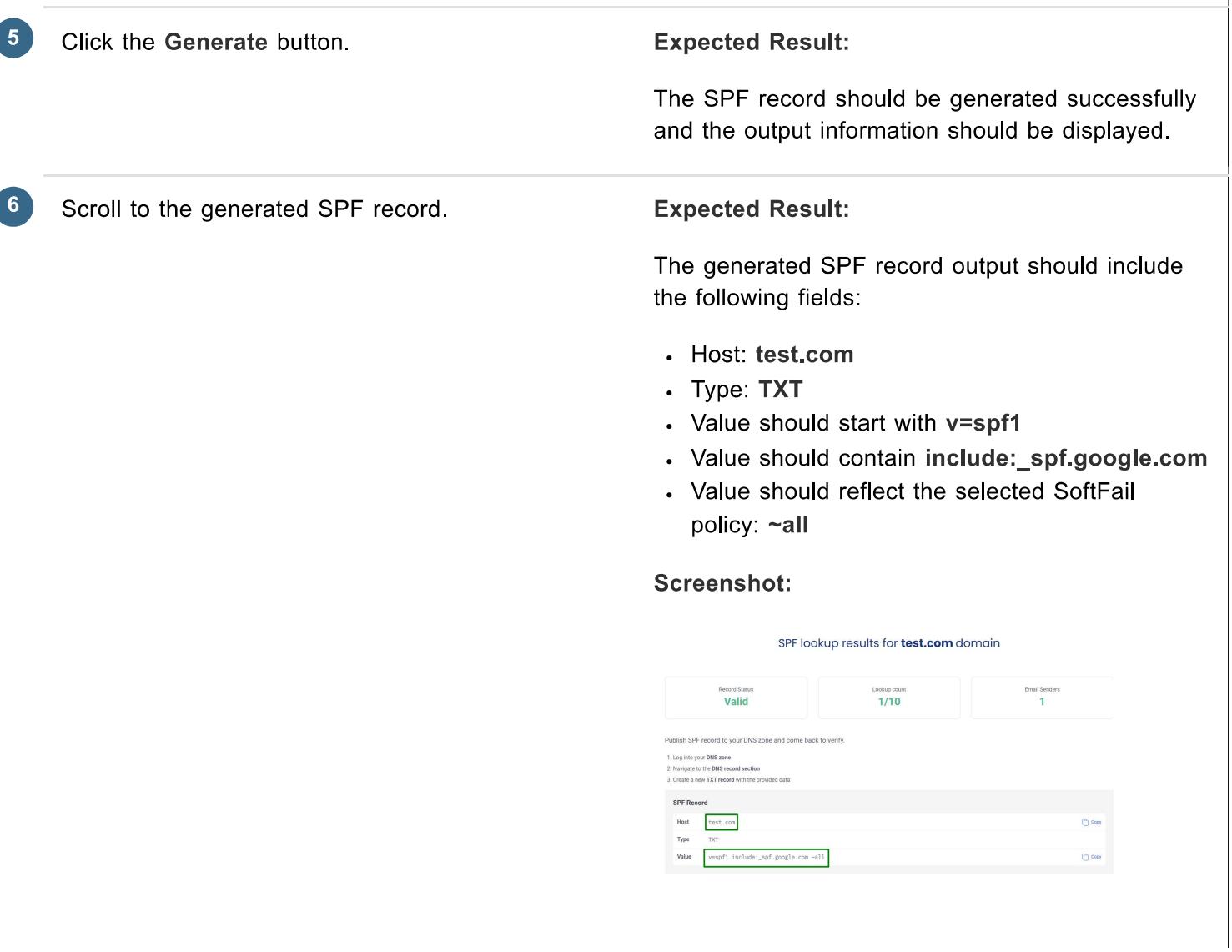
6 Scroll to the generated SPF record.

Expected Result:

The generated SPF record output should include the following fields:

- Host: **test.com**
- Type: **TXT**
- Value should start with **v=spf1**
- Value should contain **include:_spf.google.com**
- Value should reflect the selected SoftFail policy: **~all**

Screenshot:



SPF lookup results for **test.com** domain

Record Status Valid	Lookup count 1/10	Email Servers 1
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Pubish SPF record to your DNS zone and come back to verify.

1. Log into your DNS zone
2. Navigate to the DNS record section
3. Create a new TXT record with the provided data

SPF Record

Host test.com	<input type="button" value="Copy"/>
Type TXT	<input type="button" value="Copy"/>
Value v=spf1 include:_spf.google.com ~all	<input type="button" value="Copy"/>