

## C61: Detailed Output Validation

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type	Is Automated		
None	No		
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

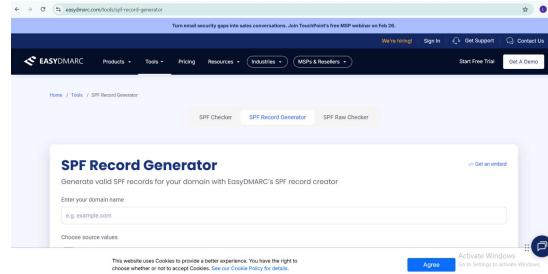
### Steps

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 '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 input field are two radio buttons: 'Choose source values' (selected) and 'Use Redirect'. Below these are three buttons: 'Include' (highlighted), '+ Include', '+ IPv4', and 'Show more'. A dropdown menu for 'Select failure policy' is open, showing 'Softfail' as the selected option. At the bottom right is 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 'Include' button being highlighted.

**4** In the **Include** mechanism 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:

**SPF Record Generator**

Generate valid SPF records for your domain with EasyDMARC's SPF record creator

Enter your domain name

test.com

Choose source values

 Use Redirect ()

192.168.

\_spf.google.com

+ Include + IPv4 &gt; show more

Select failure policy

SoftFail

Learn more about SPF specifications

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Generate

- 5** Click the **Generate** button.

**Expected Result:**

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

- 6** Review the generated SPF record output.

**Expected Result:**

The generated SPF record output should include the following fields:

- Host: **test.com**
- Value should start with **v=spf1**
- Value should contain **include:\_spf.google.com**
- Value should reflect the selected **SoftFail** policy (e.g., **~all**)

**Screenshot:**

Record Status	Valid
Lookup count	1/10
Email Senders	1

SPF Record

Host	test.com
Type	TXT
Value	v=spf1 include:_spf.google.com ~all

- 7** Review the SPF lookup summary cards (**status/lookup count/email senders**).

**Expected Result:**

The lookup summary should be displayed with the following information:

- **Record Status** should be equal to **Valid**
- **Lookup count** should be displayed and be equal to **1/10**
- **Email Senders** count should be displayed and be equal to **1**

**Screenshot:**

Record Status <b>Valid</b>	Lookup count <b>1/10</b>	Email Senders <b>1</b>
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- 8 Review the **Lookup Tree** section.

#### Expected Result:

The **Lookup Tree** should be displayed with the following values:

- v=spf1 include:\_spf.google.com ~all
- an include:\_spf.google.com entry in the tree

#### Screenshot:

The screenshot shows a hierarchical SPF lookup tree. At the top level, there are several IP ranges and domain entries. One entry is expanded to show its children, which are also IP ranges and domain entries. The tree structure represents the SPF record's path to verify the email source.

- 9 Open the **Email Senders** section.

#### Expected Result:

The **Email Senders** section should include the following information:

- Sending Source: **Google Workspace / Gmail**
- # Of Lookups: **1**
- SPF Part: **include:\_spf.google.com**

#### Screenshot:

The screenshot shows the 'Email Senders' section of the TestRail output validation interface. It displays the sending source as 'Google Workspace / Gmail', the number of lookups as '1', and the SPF part as 'include:\_spf.google.com'. This matches the expected result from step 9.