**C61: Detailed Output Validation**

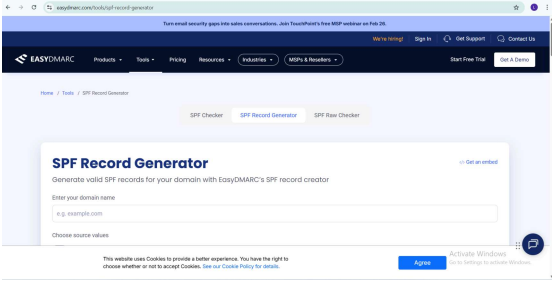| Type | Priority | Estimate | References |
|---|---|---|---|
| Functional | High | None | None |
| **Automation Type** | **Is Automated** | | |
| None | No | | |
| **Labels** | | | |

## 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:**



| **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:**



| **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:**

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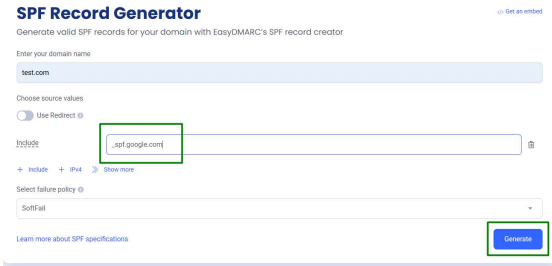
**5**  Click the **Generate** button.

**Expected Result:**

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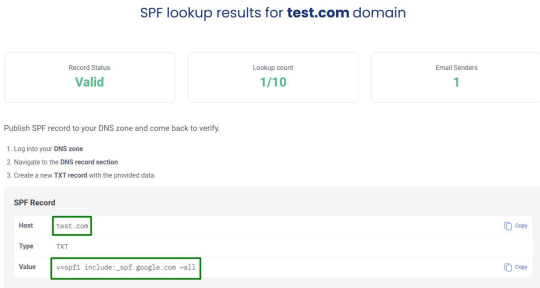
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**6**  Review the generated SPF record output.

**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:**



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**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 | Lookup count | Email Senders |
|---|---|---|
| **Valid** | **1/10** | **1** |

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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:**



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**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:**