C62: Generate SPF Record with Multiple Mechanisms and Fail Policy

Type	Priority	Estimate	References
Functional	High	None	qa-task\tests\generate-spf-with-multiple-mechanisms.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
- Include values:
  - _spf.google.com
  - spf.protection.outlook.com
- A value: easydmarc.com
- MX value: google.com
- Exists value: %{i}._spf.mta.salesforce.com
- Failure Policy: Fail
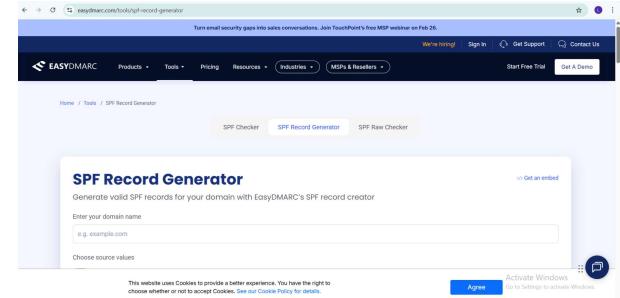
Steps

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:

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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:

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4   Click **Show more** to expand mechanism options.

Expected Result:

Additional SPF mechanism options should be displayed:

- **Include**
- **IPv4**
- **IPv6**
- **A record**
- **MX record**

- **Exists**
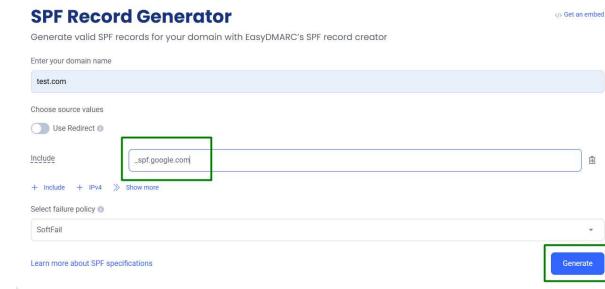
The **Show less** button should be displayed.

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5   Enter the first Include value in the Include field: _spf.google.com.

Expected Result:

- The **_spf.google.com** value should be displayed and no validation error should be displayed.
- The **Generate** button should be enabled.

Screenshot:

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6   Click on the **Include** button to add a second Include mechanism input field.

Enter: spf.protection.outlook.com.

Expected Result:

- The second include mechanism input field should be displayed.
- The **spf.protection.outlook.com** value should be displayed and no validation error should be displayed.

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7   Click on the **A record** button to add a A record mechanism input field.

Enter: easydmarc.com

Expected Result:

- The **A record** mechanism input field should be displayed.
- The **easydmarc.com** value should be displayed and no validation error should be displayed.

Screenshot:

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8   Click on the **MX record** button to add an MX record mechanism input field.

Enter: google.com

Expected Result:

- The **MX record** mechanism input field should be displayed.
- The **google.com** value should be displayed and no validation error should be displayed.

Screenshot:
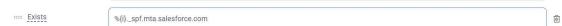
9

Click on the **Exists** button to add an Exists mechanism input field.

Enter: %{i}._spf.mta.salesforce.com.

Expected Result:

- The **Exists** mechanism input field should be displayed.
- The **%{i}._spf.mta.salesforce.com** value should be displayed and no validation error should be displayed.

Screenshot:

10

Open the **Select Failure Policy** dropdown.

Expected Result:

The dropdown should open and display all supported policy options **(None, Fail, SoftFail, Neutral)**.

11

Select **Fail** from the Failure Policy dropdown.

Expected Result:

The Failure Policy dropdown should display **Fail** as the selected value.

Screenshot:

12

Click the **Generate** button.

Expected Result:

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

13   Review the generated SPF record output.

Expected Result:

The generated SPF value 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 contain **include:spf.protection.outlook.com**
- Value should contain the configured A mechanism value: **a:easydmarc.com**
- Value should contain the configured MX mechanism value. **mx:google.com**
- Value should contain **exists:%{i}._spf.mta.salesforce.com**
- Value should reflect Fail policy: **-all**