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# IMMUNIWEB

## WEBSITE PRIVACY TEST

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## 1. General Overview

### API Specifications

Field Name	Value
Protocol	HTTPS
Request Type	POST
URLs	<p>To initiate the test:  <a href="https://www.immuniweb.com/privacy/api/v2/tests/">https://www.immuniweb.com/privacy/api/v2/tests/</a></p> <p>To check the test's status:  <a href="https://www.immuniweb.com/privacy/api/v2/tests/jobs/{JOB_ID}/">https://www.immuniweb.com/privacy/api/v2/tests/jobs/{JOB_ID}/</a></p> <p>To fetch the results:  <a href="https://www.immuniweb.com/privacy/api/v2/tests/{TEST_ID}/">https://www.immuniweb.com/privacy/api/v2/tests/{TEST_ID}/</a></p>

### POST Specifications

Field Name	Value
domain	The domain name to be tested.
private	<p>Setting the parameter to "true" means that test results will be hidden, "false" means that test results will be displayed in the Latest Tests section on ImmuniWeb.com.</p> <p>If not specified, by default the value is set to "false".</p>
recheck	Setting the parameter to "true" will make the service to start a new test and update all the results.
api_key	<p>The optional secret token which you submit alongside with the request (used only for commercial access).</p> <p>The parameter can be simply omitted, if you don't have a purchased API key.</p>

### Step 1: Starting the test

```
curl -X POST -H "content-type: application/json" -d
"{\"domain\": \"example.com\", \"private\": true, \"recheck\": false, \"api_key\": \"ABCD-1234\"}"
https://www.immuniweb.com/privacy/api/v2/tests/
```

This request will start a new test, or refresh an existing one (if an API key has been supplied). Response example:

```
{ "status": "test_started",
  "status_id": 1,
  "job_id": "abcdefgj1234567890",
  "message": "Test has started" }
```

### Step 2: Checking the status of the test

```
curl https://www.immuniweb.com/privacy/api/v2/tests/jobs/{JOB_ID}/
```

This request will check the status of the newly created or refreshed test. Response examples:

```
{ "status": "in_progress",
  "status_id": 2,
  "job_id": "abcdefgj1234567890",
  "message": "Your job is in progress" }

{ "status": "test_cached",
  "status_id": 3,
  "test_id": "abcdefgj1234567890",
  "message": "Test is cached" }
```

### Step 3: Fetching the results

```
curl https://www.immuniweb.com/privacy/api/v2/tests/{TEST_ID}/
```

This request will fetch the test results, once it's finished. Response example will be detailed later in this document.

### [How to download the PDF report](#)

```
curl -H "Authorization: Bearer API_KEY"
https://www.immuniweb.com/privacy/api/v2/gen_pdf/{TEST_ID}/ > filename.pdf
```

## 2. High-Level Overview of the Response

The output will be composed of the following main elements:

Field Name	Type	Always present	Description
id	string	Yes	The ID of the test.
short_id	string	Yes	The shortened ID of the test.
success	bool	Yes	Indicates whether the test was successful.
grade	string	Yes	Indicates the grade of the test.
score	Int	Yes	Indicates the scope of the test.
hostname	string	Yes	Indicates the tested hostname.
input_url	string	Yes	Indicates the inputted URL.
final_url	string	Yes	Indicates the final tested URL after the redirections.
ip	string	Yes	Indicates the IP address of the inputted URL.
final_ip	string	Yes	Indicates the IP address of the final tested URLs.
unicode_hostname	string	Yes	Indicates the hostname in Unicode.
unicode_tested_url	string	Yes	Indicated the inputted URL in Unicode.
unicode_final_url	string	Yes	Indicates the final tested URL after the redirections in Unicode.
dt_start	string	Yes	Indicates the start date and time of the test.
dt_finish	string	Yes	Indicates the finish date and time of the test.
ts_start	Int	Yes	Indicates the UNIX timestamp start date and time of the test.
ts_finish	Int	Yes	Indicates the UNIX timestamp finish date and time of the test.
ts_response	Int	Yes	Indicates the UNIX timestamp date and time of receiving the test results via API call.
private	bool	Yes	Indicates whether the test results will be displayed in the "Latest Tests" on ImmuniWeb.com website.
geo	object	Yes	Contains the geo-location data of the tested server.

data	object	Yes	Contains the main detailed results of the test.
issues	object	Yes	Contains brief summary of the test results.

### 3. “Data” Object

The output will be composed of the following main elements:

Field Name	Type	Always present	Description
time	string	Yes	Indicates the start date and time of the test.
hostname	string	Yes	Indicates the tested hostname
input_url	string	Yes	Indicates the inputted URL.
final_url	string	Yes	Indicates the final tested URL after the redirections.
unicode_hostname	string	Yes	Indicates the hostname in Unicode.
unicode_input_url	string	Yes	Indicated the inputted URL in Unicode.
unicode_final_url	string	Yes	Indicates the final tested URL after the redirections in Unicode.
ip	string	Yes	Indicates the IP address of the inputted URL.
final_ip	string	Yes	Indicates the IP address of the final tested URLs.
final_port	int	Yes	Indicates the port, on which the website has been tested.
redirect_chain	array	Yes	Indicates the redirect chain, if any was present.
copyright_info	object	Yes	Contains the details of the website’s copyright information.
privacy_policy	bool	Yes	Indicates if a privacy policy has been found on the website.
cookie_policy	bool	Yes	Indicates if a cookie policy has been found on the website.
local_storage	object	Yes	Contains the detailed information about the data that’s being set in the Local Storage.
cookie	object	Yes	Contains the detailed information about the detected first-party and third-party cookies and their privacy and security analysis.

js	object	Yes	Contains the detailed information about the JavaScript files loaded on the website.
css	object	Yes	Contains the detailed information about the CSS files loaded on the website.
img	object	Yes	Contains the detailed information about the image files loaded on the website.
tracking_px	object	Yes	Contains the detailed information about the tracking pixels present on the website.
iframe	object	Yes	Contains the detailed information about the iframes present on the website.
font	object	Yes	Contains the detailed information about the fonts loaded on the website.
form	object	Yes	Contains the detailed information about the forms on the website, submitting data to other domains.
third_party_hosts	array/ object	Yes	Contains the detailed information about the third-party hosts loaded on the website.
xhr_detail	object	Yes	Contains the detailed information about the external XHR requests made by the website.
grade	object	Yes	Contains the information about the grade and score of the test.
media	object	Yes	Contains the detailed information about the audio and video files loaded on the website.
policy	object	Yes	Contains the information or warnings about the Privacy and Cookie Policies, as well as the copyright information.

## 4. “Issues” Object

The “issues” object contains the brief summary of the test’s results

Field Name	Type	Always present	Description
policy	object	Yes	Contains the brief summary of the website policies test.
tracking_px	object	Yes	Contains the brief summary of the tracking pixels test.
cookies	object	Yes	Contains the brief summary of the cookies analysis.
xhr	object	Yes	Contains the brief summary of the XHR requests analysis.
third_party_assets	object	Yes	Contains the brief summary of the third-party content analysis.