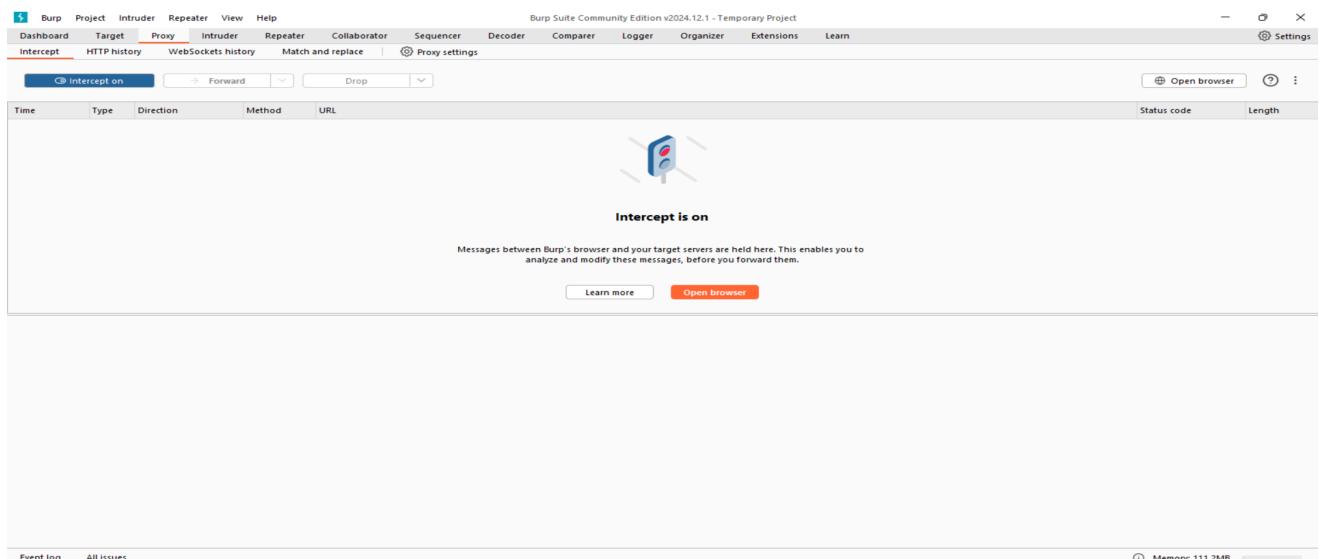


# Intercepting a Request

## Step 1: Launch Burp's browser

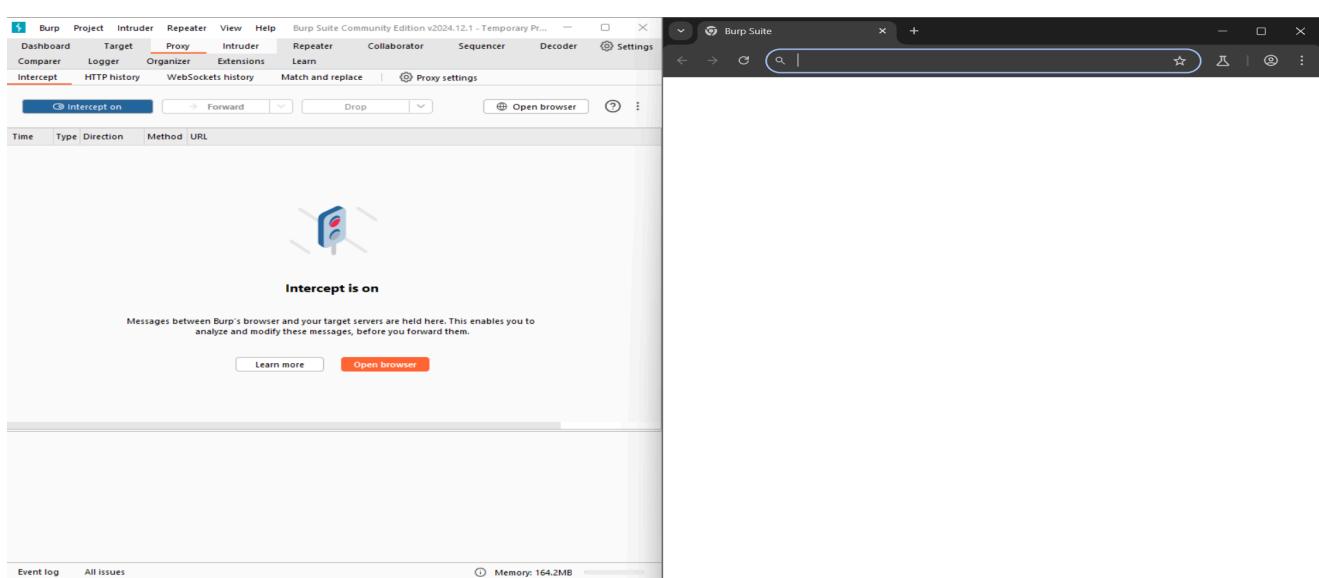
Go to the **Proxy > Intercept** tab.

Set the intercept toggle to **Intercept on**.



Click **Open Browser**. This launches Burp's browser, which is preconfigured to work with Burp right out of the box.

Position the windows so that you can see both Burp and Burp's browser.



## Step 2: Intercept a request

Using Burp's browser, try to visit <http://testphp.vulnweb.com> and observe that the site doesn't load. Burp Proxy has intercepted the HTTP request that was issued by the browser before it could reach the server.

The screenshot shows the Burp Suite interface with the 'Proxy' tab selected. In the top right, a browser window displays the URL [testphp.vulnweb.com](http://testphp.vulnweb.com). The main pane shows an intercepted request from '21:48:5... HT... → Request GET http://testphp.vulnweb.com/'. The 'Request' tab is active, showing the raw HTTP traffic. The 'Inspector' tab on the right provides detailed information about the request, including headers like Host, Accept-Language, User-Agent, and Connection. The 'Event log' at the bottom shows '0 highlights'.

Request

Pretty Raw Hex

1 GET / HTTP/1.1  
2 Host: testphp.vulnweb.com  
3 Accept-Language: en-US,en;q=0.9  
4 Upgrade-Insecure-Requests: 1  
5 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36  
6 Accept:  
text/html,application/xhtml+xml,application/xml;q=0.9,  
image/avif,image/webp,image/apng,\*/\*;q=0.8,application/  
signed-exchange;v=b3;q=0.7  
7 Accept-Encoding: gzip, deflate, br  
8 Connection: keep-alive

Inspector

Request attributes

Protocol: HTTP/1

Name Value

Method: GET

Path: /

Request query parameters

Request body parameters

Request cookies

Request headers

Name Value

Host: testphp.vulnweb.com

Accept-Language: en-US,en;q=0.9

Upgrade-Insecure-Re...: 1

User-Agent: Mozilla/5.0 (Windows...

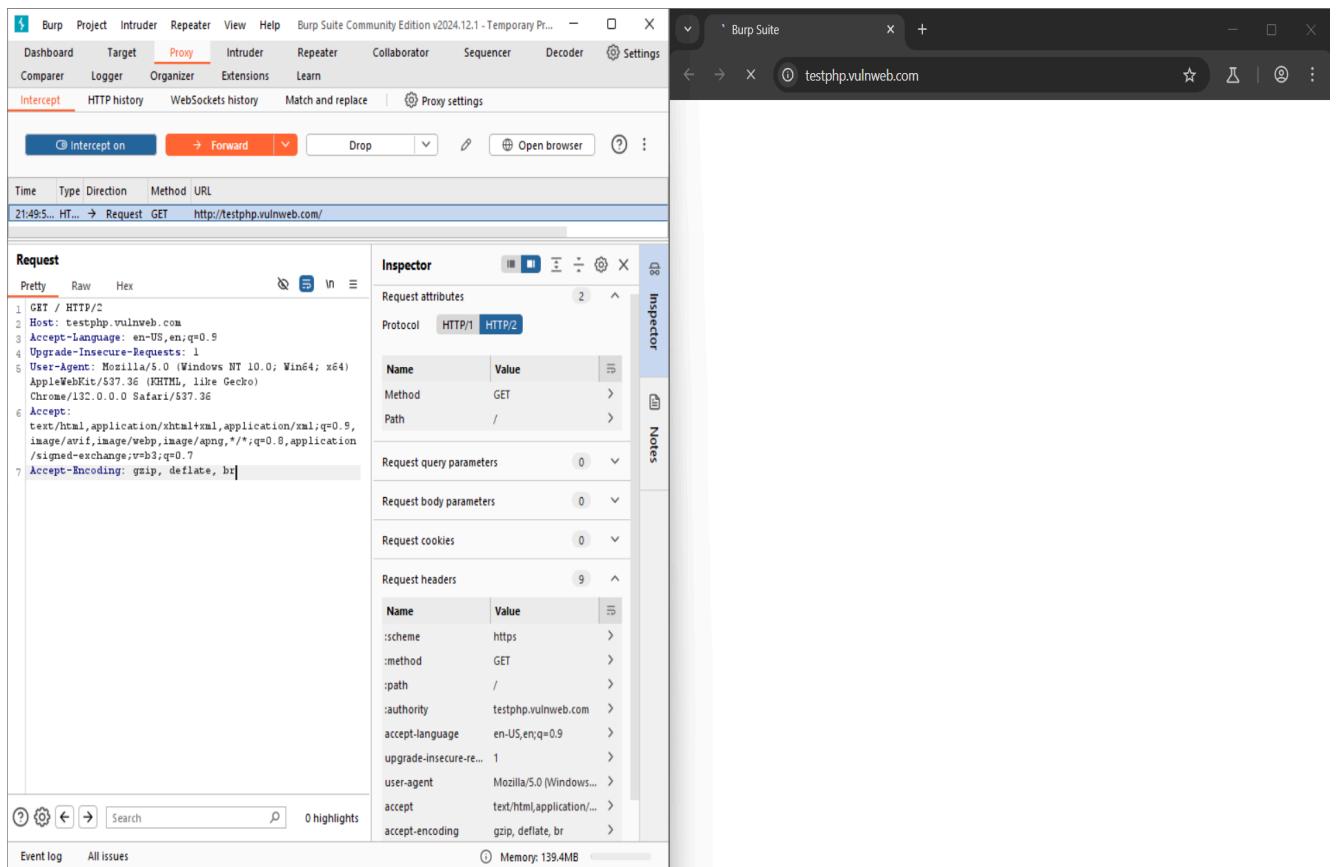
Accept: text/html,application/...

Accept-Encoding: gzip, deflate, br

Connection: keep-alive

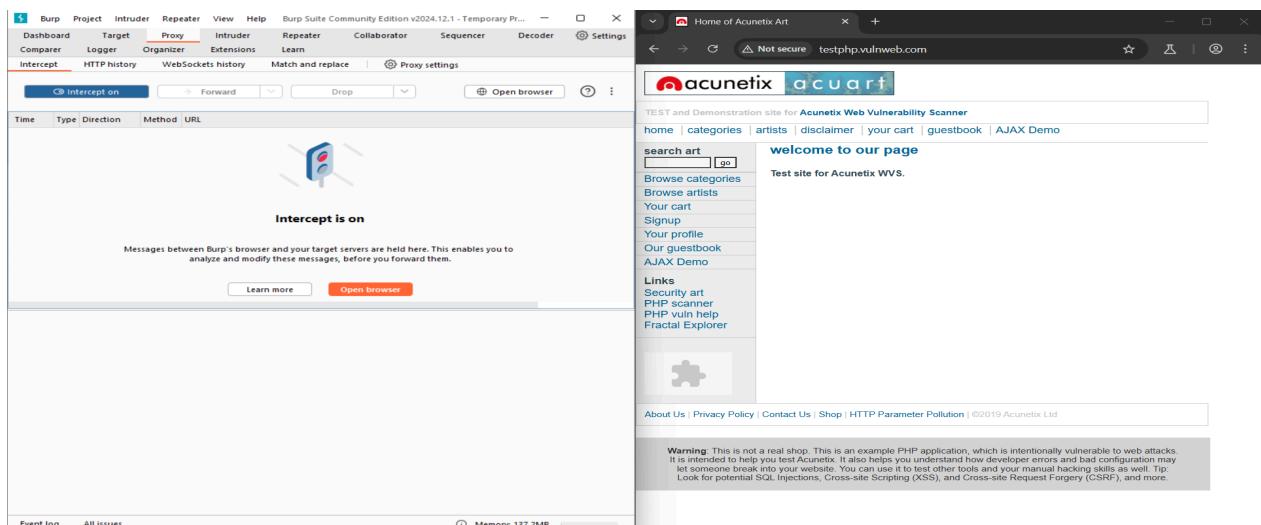
Event log: 0 highlights

Memory: 139.4MB



## Step 3: Forward the request

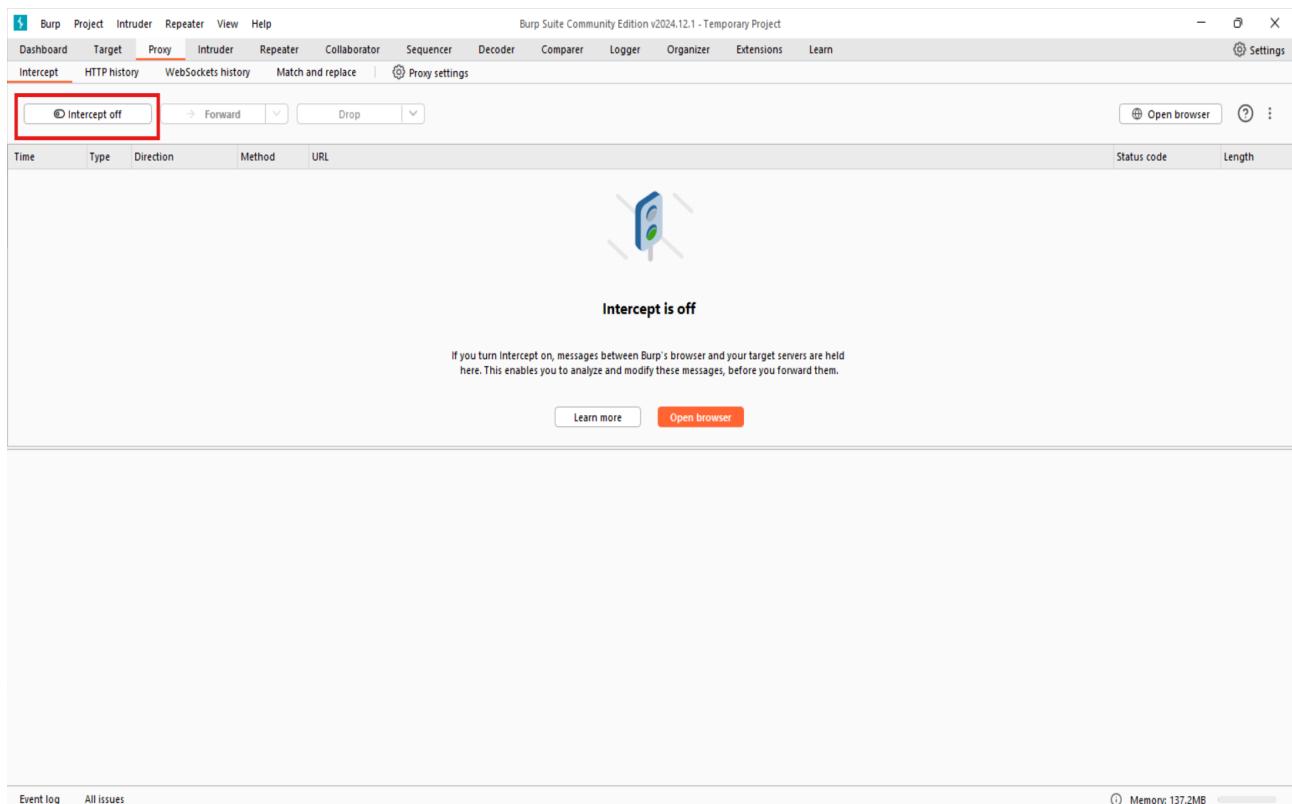
Click the **Forward** button to send the intercepted request. Click **Forward** again to send any subsequent requests that are intercepted, until the page loads in Burp's browser. The **Forward** button sends all the selected requests.



## Step 4: Switch off interception

Due to the number of requests browsers typically send, you often won't want to intercept every single one of them. Set the intercept toggle to **Intercept off**.

Go back to the browser and confirm that you can now interact with the site as normal.



## Step 5: View the HTTP history

In Burp, go to the **Proxy > HTTP history** tab. Here, you can see the history of all HTTP traffic that has passed through Burp Proxy, even while intercept was switched off.

Click on any entry in the history to view the raw HTTP request, along with the corresponding response from the server.

Burp Suite Community Edition v2024.12.1 - Temporary Project															-		X
#	Host	Method	URL	Params	Edited	Status code	Length	MIME type	Extension	Title	Notes	TLS	IP	Cookies	Time	Listener port	Start response
1	http://testphp.vulnweb.com	GET	/		✓	505	354	HTML		505 HTTP Version Not ...		44.228.249.3			21:49:56 4 F...	8080	310
2	http://testphp.vulnweb.com	GET	/			200	5180	HTML		Home of Acunetix Art		44.228.249.3			21:59:44 4 F...	8080	309
3	http://testphp.vulnweb.com	GET	/index.php			200	5180	HTML	php	Home of Acunetix Art		44.228.249.3			22:05:08 4 F...	8080	258
4	http://testphp.vulnweb.com	GET	/categories.php			200	6337	HTML	php	picture categories		44.228.249.3			22:05:10 4 F...	8080	259

Burp Suite Community Edition v2024.12.1 - Temporary Project															-		X
#	Host	Method	URL	Params	Edited	Status code	Length	MIME type	Extension	Title	Notes	TLS	IP	Cookies	Time	Listener port	Start response
1	http://testphp.vulnweb.com	GET	/		✓	505	354	HTML		505 HTTP Version Not ...		44.228.249.3			21:49:56 4 F...	8080	310
2	http://testphp.vulnweb.com	GET	/			200	5180	HTML		Home of Acunetix Art		44.228.249.3			21:59:44 4 F...	8080	309
3	http://testphp.vulnweb.com	GET	/index.php			200	5180	HTML	php	Home of Acunetix Art		44.228.249.3			22:05:08 4 F...	8080	258
4	http://testphp.vulnweb.com	GET	/categories.php			200	6337	HTML	php	picture categories		44.228.249.3			22:05:10 4 F...	8080	259

**Request**

Pretty Raw Hex

```
1 GET /categories.php HTTP/1.1
2 Host: testphp.vulnweb.com
3 Accept-Language: en-US,en;q=0.9
4 Upgrade-Insecure-Requests: 1
5 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36
6 Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7
7 Referer: http://testphp.vulnweb.com/index.php
8 Accept-Encoding: gzip, deflate, br
9 Connection: keep-alive
10
11
```

**Response**

Pretty Raw Hex Render

```
1 HTTP/1.1 200 OK
2 Server: nginx/1.19.0
3 Date: Tue, 04 Feb 2025 16:35:09 GMT
4 Content-Type: text/html; charset=UTF-8
5 Connection: keep-alive
6 X-Powered-By: PHP/5.6.40-38+ubuntu20.04.1+deb.sury.org+l
7 Content-length: 6115
8
9 <!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 4.01 Transitional//EN"
10 <http://www.w3.org/TR/html4/loose.dtd">
11 <html>
12   <!-- InstanceBegin template="/Templates/main_dynamic_template.dwt.php"
codeOutsideHTMLIsLocked="false" -->
13   <head>
14     <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-2">
15     <!-- InstanceBeginEditable name="document_title_rgn" -->
16     <title>
17       picture categories
18     </title>
19     <!-- InstanceEndEditable -->
20     <link rel="stylesheet" href="style.css" type="text/css">
21     <!-- InstanceBeginEditable name="headers_rgn" -->
22     <!-- here goes headers headers -->
23   </head>
```

**Inspector**

Name	Value
Host	testphp.vulnweb.com
Accept-Language	en-US,en;q=0.9
Upgrade-Insecure-Re...	1
User-Agent	Mozilla/5.0 (Windows...
Accept	text/html,application/...
Referer	http://testphp.vulnweb...
Accept-Encoding	gzip, deflate, br
Connection	keep-alive

**Response headers**

Name	Value
Server	nginx/1.19.0
Date	Tue, 04 Feb 2025 16:3...
Content-Type	text/html; charset=UT...
Connection	keep-alive
X-Powered-By	PHP/5.6.40-38+ubuntu...
Content-Length	6115

Event log
All issues
Memory: 142.9MB

# SIGN UP

**TEST and Demonstration site for Acunetix Web Vulnerability Scanner**

[home](#) | [categories](#) | [artists](#) | [disclaimer](#) | [your cart](#) | [guestbook](#) | [AJAX Demo](#)

**search art**

**Browse categories**  
[Browse artists](#)  
[Your cart](#)  
[Signup](#)  
[Your profile](#)  
[Our guestbook](#)  
[AJAX Demo](#)

**Links**  
[Security art](#)  
[PHP scanner](#)  
[PHP vuln help](#)  
[Fractal Explorer](#)

**Signup new user**

Please do not enter real information here.  
If you press the submit button you will be transferred to a secured connection.

Username:	<input type="text" value="user123"/>
Password:	<input type="password" value="*****"/>
Retype password:	<input type="password" value="*****"/>
Name:	<input type="text" value="MIKE ROSS"/>
Credit card number:	<input type="text" value="CD123965478"/>
E-Mail:	<input type="text" value="mikeross@gmail.com"/>
Phone number:	<input type="text" value="9874563210"/>
Address:	<input type="text" value="New York"/>

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**Warning:** This is not a real shop. This is an example PHP application, which is intentionally vulnerable to web attacks. It is intended to help you test Acunetix. It also helps you understand how developer errors and bad configuration may let someone break into your website. You can use it to test other tools and your manual hacking skills as well. Tip: Look for potential SQL Injections, Cross-site Scripting (XSS), and Cross-site Request Forgery (CSRF), and more.

#	Host	Method	URL	Params	Edited	Status code	Length	MIME type	Extension	Title	Notes	TLS	IP	Cookies	Time	Listener port	Start response
1	http://testphp.vulnweb.com	GET	/		✓	505	354	HTML		505 HTTP Version Not ...		44.228.249.3			21:49:56 4 F...	8080	310
2	http://testphp.vulnweb.com	GET	/			200	5180	HTML		Home of Acunetix Art		44.228.249.3			21:59:44 4 F...	8080	309
3	http://testphp.vulnweb.com	GET	/index.php			200	5180	HTML	php	Home of Acunetix Art		44.228.249.3			22:05:08 4 F...	8080	258
4	http://testphp.vulnweb.com	GET	/categories.php			200	6337	HTML	php	picture categories		44.228.249.3			22:05:10 4 F...	8080	259
5	http://testphp.vulnweb.com	GET	/login.php			200	5745	HTML	php	login page		44.228.249.3			22:14:43 4 F...	8080	306
6	http://testphp.vulnweb.com	GET	/signup.php			200	6255	HTML	php	signup		44.228.249.3			22:14:47 4 F...	8080	275
7	http://testphp.vulnweb.com	POST	/secured/newuser.php		✓	200	1006	HTML	php	add new user		44.228.249.3			22:16:34 4 F...	8080	292
8	http://testphp.vulnweb.com	GET	/login.php			200	5745	HTML	php	login page		44.228.249.3			22:16:46 4 F...	8080	305

**Request**

Pretty Raw Hex

```
1 POST /secured/newuser.php HTTP/1.1
2 Host: testphp.vulnweb.com
3 Content-Length: 154
4 Cache-Control: max-age=0
5 Accept-Language: en-US,en;q=0.9
6 Origin: http://testphp.vulnweb.com
7 Content-Type: application/x-www-form-urlencoded
8 Upgrade-Insecure-Requests: 1
9 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36
10 Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7
11 Referer: http://testphp.vulnweb.com/signup.php
12 Accept-Encoding: gzip, deflate, br
13 Connection: keep-alive
14
15 uname=user123&upass=user123&upass2=user123&username=MIKE+ROSS&ucc=CD123965478&
uemail=mikeross@gmail.com&uphone=9874563210&uaddress=New+York&signup=signup

```

**Response**

Pretty Raw Hex Render

```
1 HTTP/1.1 200 OK
2 Server: nginx/1.19.0
3 Date: Tue, 04 Feb 2025 16:46:34 GMT
4 Content-Type: text/html; charset=UTF-8
5 Connection: keep-alive
6 X-Powered-By: PHP/8.6.40-38+ubuntu20.04.1+deb.sury.org+1
7 Content-Length: 785
8
9 <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
10 <html>
11   <head>
12     <title>
13       add new user
14     </title>
15     <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
16     <link href="style.css" rel="stylesheet" type="text/css">
17   </head>
18   <body>
<div id="masthead">
    <h1 id="siteName">
      ACUNETIX ART
    </h1>

```

**Inspector**

Request attributes

Name	Value
uname	user123
upass	user123
upass2	user123
username	MIKE ROSS
ucc	CD123965478
uemail	mikeross@gmail.com
uphone	9874563210
uaddress	New York
signup	signup

Request body parameters

Name	Value
uname	user123
upass	user123
upass2	user123
username	MIKE ROSS
ucc	CD123965478
uemail	mikeross@gmail.com
uphone	9874563210
uaddress	New York
signup	signup

Request headers

Name	Value
Host	testphp.vulnweb.com
Content-Length	154

# Modifying Requests

## Step 1: Study the HTTP history

In Burp, go to the Proxy > HTTP history tab. To make this easier to read, keep clicking the header of the leftmost column (#) until the requests are sorted in descending order. This way, you can see the most recent requests at the top.

The screenshot shows the Burp Suite interface with the 'Proxy' tab selected. The 'HTTP history' tab is active. The requests list is sorted by timestamp, with the most recent requests at the top. The 'Request' and 'Response' panes are visible, along with the 'Inspector' pane showing response headers and body.

#	Host	Method	URL	Params	Edited	Status code	Length	MIME type	Extension	Title	Notes	TLS	IP	Cookies	Time	Listener port	Start response
202	http://testphp.vulnweb.com	GET	/AJAX/index.php			200	4458	HTML	php	ajax test		44.228.249.3			23:25:09 F...	8080	298
201	http://testphp.vulnweb.com	POST	/userinfo.php	✓		200	6234	HTML	php	user info		44.228.249.3			23:24:57 F...	8080	341
200	http://testphp.vulnweb.com	POST	/userinfo.php	✓		200	6234	HTML	php	user info		44.228.249.3			23:24:53 F...	8080	300
199	http://testphp.vulnweb.com	POST	/userinfo.php	✓		200	6225	HTML	php	user info		44.228.249.3			23:24:21 F...	8080	305
198	http://testphp.vulnweb.com	GET	/login.php			200	5745	HTML	php	login page		44.228.249.3			23:24:04 F...	8080	286
197	http://testphp.vulnweb.com	POST	/userinfo.php	✓		302	258	text	php			44.228.249.3			23:24:03 F...	8080	335
196	http://testphp.vulnweb.com	GET	/login.php			200	5745	HTML	php	login page		44.228.249.3			23:23:53 F...	8080	372
195	http://testphp.vulnweb.com	GET	/logout.php			200	5129	HTML	php	logout		44.228.249.3			23:23:49 F...	8080	269
194	http://testphp.vulnweb.com	GET	/comment.php?aid=2	✓		200	1474	HTML	php	comment on artist		44.228.249.3			23:17:42 F...	8080	309
193	http://testphp.vulnweb.com	GET	/artists.php?ArtistID=2	✓		200	6489	HTML	php	artists		44.228.249.3			23:17:33 F...	8080	261
192	http://testphp.vulnweb.com	GET	/artists.php			200	5624	HTML	php	artists		44.228.249.3			23:17:29 F...	8080	308
191	https://www.googletagmanager...	GET	/static/service_worker/5230/sw.js?0...	✓		200	22369	script	js		✓	142.250.67.168			23:17:23 F...	8080	31
190	http://bat.bing.com	POST	/action/0?i=26034796&tm=gtm0...	✓		204	578				✓	150.171.27.10			23:17:22 F...	8080	116
189	https://www.google-analytics...	POST	/collect?v=2&tid=G-PCPTYCLV1...	✓		204	826	text			✓	142.250.207.206			23:17:22 F...	8080	110
188	https://www.acunetix.com	POST	/cdn-cgi/rum?	✓		204	352				✓	104.18.10.224			23:17:22 F...	8080	29
187	https://td.doubleclick.net	GET	/td/rul/1070114355?random=17386...	✓		200	894	HTML			✓	142.250.182.98	test_cookie=; IDE...	23:17:22 F...	8080	75	
186	https://googleads.g.doublec...	GET	/pagead/viewthroughconversion/...	✓		200	6464	script			✓	142.250.183.226	test_cookie=; IDE...	23:17:22 F...	8080	75	
185	https://px.ads.linkedin.com	POST	/v/a/	✓		204	428				✓	13.107.14.14			23:17:22 F...	8080	233
184	https://bat.bing.com	GET	/action/0?i=26034796&tm=gtm0...	✓		204	578				✓	150.171.27.10			23:17:21 F...	8080	149
183	https://923-hq8-396.mktores...	POST	/webevents/visitWebPage_mchNvc...	✓		200	248	text			✓	192.28.144.124			23:17:21 F...	8080	682

## Step 2: Set the target scope

Go to **Target > Site map**. In the left-hand panel you can see a list of hosts that your browser has interacted with. Right-click on the node for the target site and click **Add to scope**. When prompted in a pop-up window, click **Yes** to exclude out-of-scope traffic.

Burp Suite Community Edition v2024.12.1 - Temporary Project

Host Method URL Params Status code Length MIME type Title Notes Time requested

Request Response

Proxy history logging

You have added an item to Target scope. Do you want Burp Proxy to stop sending out-of-scope items to the history or other Burp tools?

Answering 'yes' will avoid accumulating project data for out-of-scope items.

http://testphp.vulnweb.com / 200 5180 XML Home of Acunetix Art

http://testphp.vulnweb.com /AJAX/artists.php 200 365 XML

http://testphp.vulnweb.com /AJAX/categories.php 200 414 XML

http://testphp.vulnweb.com /AJAX/index.php 200 4458 HTML ajax test

http://testphp.vulnweb.com /AJAX/showxml.php 200 377 XML

http://testphp.vulnweb.com /AJAX/titles.php 200 542 XML

http://testphp.vulnweb.com /artists.php 200 5624 HTML artists

Event log All issues 0 highlights Memory: 303.3MB

## Step 3: Filter HTTP history

Click on the display filter above the HTTP history and select **Show only in-scope items**.

Burp Suite Community Edition v2024.12.1 - Temporary Project

Host Method URL Params Status code Length MIME type Title Notes Time requested

Site map filter

Settings mode Bambda mode

Filter by request type

Show only in-scope items

Show only requested items

Show only parameterized requests

Hide not-found items

Filter by MIME type

HTML  Other text

Script  Images

XML  Flash

CSS  Other binary

Filter by status code

2xx [success]  3xx [ redirection ]

4xx [ request error ]  5xx [ server error ]

Folders

Hide empty folders

Filter by search term [Pro only]

Filter by file extension

Show all Hide all Revert changes Convert to Bambda Cancel Apply Apply & close

Request Response

Pretty Raw Hex

1 GET / HTTP/2

2 Host: testphp.vulnweb.com

3 Accept-Language: en-US,en;q=0.5

4 Upgrade-Insecure-Requests: 1

5 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36

6 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,\*/\*;q=0.8

7 Accept-Encoding: gzip, deflate, br

8

9

Event log All issues 0 highlights Memory: 298.3MB

The screenshot shows the Burp Suite interface with the following details:

- Header:** Burp Suite Community Edition v2024.12.1 - Temporary Project
- Tab Bar:** Dashboard, Target (selected), Proxy, Intruder, Repeater, Collaborator, Sequencer, Decoder, Comparer, Logger, Organizer, Extensions, Learn, Settings.
- Message Bar:** Logging of out-of-scope Proxy traffic is disabled. Re-enable.
- Site Map:** Shows the structure of the website http://testphp.vulnweb.com, including various pages like /, AJAX, Flash, etc.
- Repeater Tab:** A table showing a list of requests from the website. The first request, GET /artists.php?artist=1, is highlighted with a red border.

Host	Method	URL	Params	Status code	Length	MIME type	Title	Notes	Time requested
http://testphp.vulnweb.com	GET	/		200	5180	HTML	Home of Acunetix Art		21:59:53 4 Feb 20...
http://testphp.vulnweb.com	GET	/AJAX/artists.php		200	365	XML			23:17:12 4 Feb 20...
http://testphp.vulnweb.com	GET	/AJAX/categories.php		200	414	XML			23:16:31 4 Feb 20...
http://testphp.vulnweb.com	GET	/AJAX/index.php		200	4458	HTML	ajax test		23:20:09 4 Feb 20...
http://testphp.vulnweb.com	POST	/AJAX/showxml.php		200	377	XML			23:16:36 4 Feb 20...
http://testphp.vulnweb.com	GET	/AJAX/titles.php		200	542	XML			23:16:33 4 Feb 20...
http://testphp.vulnweb.com	GET	/artists.php		200	5624	HTML	artists		23:17:30 4 Feb 20...
http://testphp.vulnweb.com	GET	/artists.php?artist=1		200	6547	HTML	artists		23:14:37 4 Feb 20...
http://testphp.vulnweb.com	GET	/artists.php?artist=2		200	6489	HTML	artists		23:17:33 4 Feb 20...
http://testphp.vulnweb.com	GET	/cart.php		200	5422	HTML	you cart		23:16:19 4 Feb 20...
http://testphp.vulnweb.com	GET	/categories.php		200	6411	HTML	picture categories		23:15:58 4 Feb 20...
http://testphp.vulnweb.com	GET	/comment.php?aid=2		200	1474	HTML	comment on artist		23:17:43 4 Feb 20...
http://testphp.vulnweb.com	GET	/comment.php?pid=6		200	1475	HTML	comment on picture		23:15:39 4 Feb 20...
http://testphp.vulnweb.com	GET	/guestbook.php		200	5676	HTML	guestbook		23:15:19 4 Feb 20...
http://testphp.vulnweb.com	GET	/index.php		200	5254	HTML	Home of Acunetix Art		23:16:08 4 Feb 20...
http://testphp.vulnweb.com	GET	/listproducts.php?cat=1		200	8176	HTML	pictures		23:14:10 4 Feb 20...
http://testphp.vulnweb.com	GET	/listproducts.php?cat=2		200	5607	HTML	pictures		23:15:27 4 Feb 20...
http://testphp.vulnweb.com	GET	/login.php		200	5745	HTML	login page		23:24:04 4 Feb 20...
http://testphp.vulnweb.com	GET	/logout.php		200	5129	HTML	logout		23:23:50 4 Feb 20...
http://testphp.vulnweb.com	POST	/secured/newuser.php		200	1006	HTML	add new user		22:25:08 4 Feb 20...
http://testphp.vulnweb.com	GET	/signup.php		200	6329	HTML	signup		22:24:29 4 Feb 20...
http://testphp.vulnweb.com	GET	/userinfo.php		200	6232	HTML	user info		23:16:16 4 Feb 20...
http://testphp.vulnweb.com	POST	/userinfo.php		200	6225	HTML	user info		23:24:21 4 Feb 20...
http://testphp.vulnweb.com	POST	/userinfo.php		200	6234	HTML	user info		23:24:57 4 Feb 20...
http://testphp.vulnweb.com	POST	/userinfo.php		302	258	text			23:24:04 4 Feb 20...

**Request Response:** Buttons for Pretty, Raw, Hex. Below is a snippet of the request:

```

1 GET /artists.php?artist=1 HTTP/1.1
2 Host: testphp.vulnweb.com
3 Accept-Language: en-US,en;q=0.9
4 Upgrade-Insecure-Requests: 1

```

**Bottom Bar:** Event log, All issues, Memory: 291.9MB, 0 highlights.

## Sending a request to Burp Repeater

### Step 1: Identify an interesting request

The browser sent a `GET /listproducts` request with a `cat` query parameter.

Go to the **Repeater** tab to see that your request is waiting for you in its own numbered tab.

Burp Suite Community Edition v2024.12.1 - Temporary Project

Target: <http://testphp.vulnweb.com> | HTTP/1.1

Request

Pretty Raw Hex

```
1 GET /listproducts.php?cat=1 HTTP/1.1
2 Host: testphp.vulnweb.com
3 Accept-Language: en-US,en;q=0.9
4 Upgrade-Insecure-Requests: 1
5 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36
6 Accept:
7 text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7
8 Referer: http://testphp.vulnweb.com/categories.php
9 Accept-Encoding: gzip, deflate, br
10 Cookie: login=test;test
11 Connection: keep-alive
12
```

Response

Inspector

Request attributes: 2

Request query parameters: 1

Request body parameters: 0

Request cookies: 1

Request headers: 9

## Step 3: Send the request and view the response

Click **Send** and view the response from the server. You can resend this request as many times as you like and the response will be updated each time.

The screenshot shows the Burp Suite interface with the Repeater tab selected. In the Request pane, a GET request is shown with the URL `/listproducts.php?cat=2`. The Response pane displays the received HTML content, which includes a title, meta tags, and a script block. The Inspector pane on the right provides detailed information about the request and response headers.

## Testing different input with Burp Repeater

### Step 1: Resend the request with different input

Change the number in the `cat` parameter and resend the request. Try this with a few arbitrary numbers.

Burp Suite Community Edition v2024.12.1 - Temporary Project

Target: http://testphp.vulnweb.com | HTTP/1

Request	Response	Inspector
<pre>Pretty Raw Hex 1 GET /listproducts.php?cat=1 HTTP/1.1 2 Host: testphp.vulnweb.com 3 Accept-Language: en-US,en;q=0.9 4 Upgrade-Insecure-Requests: 1 5 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36    (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36 6 Accept:    text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7 7 Referer: http://testphp.vulnweb.com/categories.php 8 Accept-Encoding: gzip, deflate, br 9 Cookie: login=test;test 10 Connection: keep-alive 11 12</pre>	<pre>Pretty Raw Hex Render 1 HTTP/1.1 200 OK 2 Server: nginx/1.19.0 3 Date: Tue, 04 Feb 2025 18:23:03 GMT 4 Content-Type: text/html; charset=UTF-8 5 Connection: keep-alive 6 X-Powered-By: PHP/5.6.40-38+ubuntu20.04.1+deb.sury.org+1 7 Content-Length: 7554 8 9 &lt;!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 4.01 Transitional//EN" 10 &lt;http://www.w3.org/TR/html4/loose.dtd"&gt; 11 &lt;html&gt; 12   &lt;!-- InstanceBegin template="/Templates/main_dynamic_template.dvt.php"         codeOutsideHTMLIsLocked="false" --&gt; 13   &lt;head&gt; 14     &lt;meta http-equiv="Content-Type" content="text/html; charset=iso-8859-2"&gt; 15   &lt;!-- InstanceBeginEditable name="document_title_rgn" --&gt; 16   &lt;title&gt; 17     pictures 18   &lt;/title&gt; 19   &lt;!-- InstanceEndEditable --&gt; 20   &lt;link rel="stylesheet" href="style.css" type="text/css"&gt; 21   &lt;!-- InstanceBeginEditable name="headers_rgn" --&gt; 22   &lt;!-- InstanceEndEditable --&gt; 23   &lt;script language="JavaScript" type="text/JavaScript"&gt; 24     &lt;!-- 25       function MM_reloadPage(init) { 26         // reloads the window if Nav4 resized 27         if (init==true) with (navigator) { 28           if ((appName=="Netscape")&amp;&amp;(parseInt(appVersion)==4)) { 29             document.MM_pgW=innerWidth; 30             document.MM_pgH=innerHeight; 31             onresize=MM_reloadPage; 32           } 33         } 34       else if (innerWidth!=document.MM_pgW    innerHeight!=document.MM_pgH) 35         location.reload(); 36     } 37   &lt;/script&gt; 38 </pre>	<p>Request attributes Request query parameters Request body parameters Request cookies Request headers Response headers</p>
<input type="button" value="Send"/> <input type="button" value="Cancel"/> <input type="button" value="&lt;"/> <input type="button" value="&gt;"/>	<input type="button" value="Send"/> <input type="button" value="Cancel"/> <input type="button" value="&lt;"/> <input type="button" value="&gt;"/>	<input type="button" value="Send"/> <input type="button" value="Cancel"/> <input type="button" value="&lt;"/> <input type="button" value="&gt;"/>

Burp Suite Community Edition v2024.12.1 - Temporary Project

Target: http://testphp.vulnweb.com | HTTP/1

Request	Response	Inspector
<pre>Pretty Raw Hex 1 GET /listproducts.php?cat=4 HTTP/1.1 2 Host: testphp.vulnweb.com 3 Accept-Language: en-US,en;q=0.9 4 Upgrade-Insecure-Requests: 1 5 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36    (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36 6 Accept:    text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7 7 Referer: http://testphp.vulnweb.com/categories.php 8 Accept-Encoding: gzip, deflate, br 9 Cookie: login=test;test 10 Connection: keep-alive 11 12</pre>	<pre>Pretty Raw Hex Render 1 HTTP/1.1 200 OK 2 Server: nginx/1.19.0 3 Date: Tue, 04 Feb 2025 18:24:09 GMT 4 Content-Type: text/html; charset=UTF-8 5 Connection: keep-alive 6 X-Powered-By: PHP/5.6.40-38+ubuntu20.04.1+deb.sury.org+1 7 Content-Length: 4773 8 9 &lt;!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 4.01 Transitional//EN" 10 &lt;http://www.w3.org/TR/html4/loose.dtd"&gt; 11 &lt;html&gt; 12   &lt;!-- InstanceBegin template="/Templates/main_dynamic_template.dvt.php"         codeOutsideHTMLIsLocked="false" --&gt; 13   &lt;head&gt; 14     &lt;meta http-equiv="Content-Type" content="text/html; charset=iso-8859-2"&gt; 15   &lt;!-- InstanceBeginEditable name="document_title_rgn" --&gt; 16   &lt;title&gt; 17     pictures 18   &lt;/title&gt; 19   &lt;!-- InstanceEndEditable --&gt; 20   &lt;link rel="stylesheet" href="style.css" type="text/css"&gt; 21   &lt;!-- InstanceBeginEditable name="headers_rgn" --&gt; 22   &lt;!-- InstanceEndEditable --&gt; 23   &lt;script language="JavaScript" type="text/JavaScript"&gt; 24     &lt;!-- 25       function MM_reloadPage(init) { 26         // reloads the window if Nav4 resized 27         if (init==true) with (navigator) { 28           if ((appName=="Netscape")&amp;&amp;(parseInt(appVersion)==4)) { 29             document.MM_pgW=innerWidth; 30             document.MM_pgH=innerHeight; 31             onresize=MM_reloadPage; 32           } 33         } 34       else if (innerWidth!=document.MM_pgW    innerHeight!=document.MM_pgH) 35         location.reload(); 36     } 37   &lt;/script&gt; 38 </pre>	<p>Request attributes Request query parameters Request body parameters Request cookies Request headers Response headers</p>
<input type="button" value="Send"/> <input type="button" value="Cancel"/> <input type="button" value="&lt;"/> <input type="button" value="&gt;"/>	<input type="button" value="Send"/> <input type="button" value="Cancel"/> <input type="button" value="&lt;"/> <input type="button" value="&gt;"/>	<input type="button" value="Send"/> <input type="button" value="Cancel"/> <input type="button" value="&lt;"/> <input type="button" value="&gt;"/>

## Step 2: View the request history

Use the arrows to step back and forth through the history of requests that you've sent, along with their matching responses. The drop-down menu next to each arrow also lets you jump to a specific request in the history.

The screenshot shows the Burp Suite Community Edition interface. The top navigation bar includes Project, Intruder, Repeater, View, Help, Dashboard, Target, Proxy, Intruder, Repeater (selected), Collaborator, Sequencer, Decoder, Comparer, Logger, Organizer, Extensions, and Learn. The title bar indicates "Burp Suite Community Edition v2024.12.1 - Temporary Project". The main window has two tabs: "Request" and "Response". The "Request" tab displays a list of four previous requests, with the first one highlighted. The "Response" tab shows the corresponding response messages and code. To the right, the "Inspector" panel is open, displaying sections for Request attributes, Request query parameters, Request body parameters, Request cookies, Request headers, and Response headers. At the bottom, there are search fields and status indicators for memory usage.

## Step 3: Try sending unexpected input

The server seemingly expects to receive an integer value via this `cat` parameter. Let's see what happens if we send a different data type.

Send another request where the `cat` is a string of characters.

Burp Suite Community Edition v2024.12.1 -Temporary Project

Dashboard Target Proxy Intruder Repeater Collaborator Sequencer Decoder Comparer Logger Organizer Extensions Learn

Repeater Inspector

Target: http://testphp.vulnweb.com HTTP/1.1

**Request**

```
Pretty Raw Hex
1 GET /listproducts.php?cat="***&cat=ORDER HTTP/1.1
2 Host: testphp.vulnweb.com
3 Accept: language: en-us, en;q=0.9
4 Upgrade-Insecure-Requests: 1
5 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36
6 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7
7 Referer: http://testphp.vulnweb.com/categories.php
8 Accept-Encoding: gzip, deflate, br
9 Cookie: login=test123test
10 Connection: keep-alive
11
12
```

**Response**

```
Pretty Raw Hex Render
51 <!-- end masthead -->
52
53 <!-- begin content -->
54 <!-- InstanceBeginEditable name="content_rgn" -->
55 <div id="content">
56   Error: You have an error in your SQL syntax; check the manual that
57   corresponds to your MySQL server version for the right syntax to use
58   near 'ORDER' at line 1
59   Warning: mysql_fetch_array() expects parameter 1 to be resource,
60   boolean given in /hj/var/www/listproducts.php on line 74
61 </div>
62 <!-- InstanceEndEditable -->
63 <!-- end content -->
64 <div id="navBar">
65   <div id="search">
66     <form action="search.php?test=query" method="post">
67       <label>
68         search art
69       </label>
70       <input name="searchFor" type="text" size="10">
71       <input name="goButton" type="submit" value="go">
72     </form>
73   </div>
74   <div id="sectionLinks">
75     <ul>
76       <li>
77         <a href="categories.php">
```

**Inspector**

Request attributes

Protocol	HTTP/1	
Name	Method	Value
Path	/listproducts.php	

Request query parameters

Name	Value
cat	"**"
cat	ORDER

Request body parameters

Request cookies

Request headers

Response headers

Done 5,276 bytes | 251 millis

Event log All issues Memory: 291.0MB

pictures Not secure testphp.vulnweb.com/listproducts.php?cat="\*\*&cat=ORDER

acunetix acuart

TEST and Demonstration site for Acunetix Web Vulnerability Scanner

home | categories | artists | disclaimer | your cart | guestbook | AJAX Demo | Logout test

search art go

Browse categories  
Browse artists  
Your cart  
Signup  
Your profile  
Our guestbook  
AJAX Demo  
Logout

Links  
Security art  
PHP scanner  
PHP vuln help  
Fractal Explorer

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**Error:** You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'ORDER' at line 1 Warning: mysql\_fetch\_array() expects parameter 1 to be resource, boolean given in /hj/var/www/listproducts.php on line 74

**Warning:** This is not a real shop. This is an example PHP application, which is intentionally vulnerable to web attacks. It is intended to help you test Acunetix. It also helps you understand how developer errors and bad configuration may let someone break into your website. You can use it to test other tools and your manual hacking skills as well. Tip: Look for potential SQL Injections, Cross-site Scripting (XSS), and Cross-site Request Forgery (CSRF), and more.